



Welcome

Connect Customer Customer Profiles



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Connect Customer Customer Profiles: Welcome

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Welcome

- [Customer Profiles actions](#)
- [Customer Profiles data types](#)

Connect Customer Customer Profiles is a unified customer profile for your contact center that has pre-built connectors powered by AppFlow that make it easy to combine customer information from third party applications, such as Salesforce (CRM), ServiceNow (ITSM), and your enterprise resource planning (ERP), with contact history from your Connect Customer contact center.

For more information about the Connect Customer Customer Profiles feature, see [Use Customer Profiles](#) in the *Connect Customer Administrator's Guide*.

This document was last published on June 29, 2026.

Actions

The following actions are supported:

- [AddProfileKey](#)
- [BatchGetCalculatedAttributeForProfile](#)
- [BatchGetProfile](#)
- [CreateCalculatedAttributeDefinition](#)
- [CreateDomain](#)
- [CreateDomainLayout](#)
- [CreateEventStream](#)
- [CreateEventTrigger](#)
- [CreateIntegrationWorkflow](#)
- [CreateProfile](#)
- [CreateRecommender](#)
- [CreateRecommenderFilter](#)
- [CreateRecommenderSchema](#)
- [CreateSegmentDefinition](#)
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- [DeleteProfileKey](#)
- [DeleteProfileObject](#)

- [DeleteProfileObjectType](#)
- [DeleteRecommender](#)
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- [GetObjectAttributeStatistics](#)
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- [SearchProfiles](#)
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- [TagResource](#)
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- [UpdateCalculatedAttributeDefinition](#)
- [UpdateDomain](#)
- [UpdateDomainLayout](#)
- [UpdateEventTrigger](#)
- [UpdateProfile](#)
- [UpdateRecommender](#)

AddProfileKey

Associates a new key value with a specific profile, such as a Contact Record ContactId.

A profile object can have a single unique key and any number of additional keys that can be used to identify the profile that it belongs to.

Request Syntax

```
POST /domains/DomainName/profiles/keys HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "KeyName": "string",
  "ProfileId": "string",
  "Values": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

KeyName

A searchable identifier of a customer profile. The predefined keys you can use include:

`_account`, `_profileId`, `_assetId`, `_caseId`, `_orderId`, `_fullName`, `_phone`, `_email`, `_ctrContactId`,
`_marketoLeadId`, `_salesforceAccountId`, `_salesforceContactId`, `_salesforceAssetId`,

_zendeskUserId, _zendeskExternalId, _zendeskTicketId, _serviceNowSystemId,
_serviceNowIncidentId, _segmentUserId, _shopifyCustomerId, _shopifyOrderId.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

ProfileId

The unique identifier of a customer profile.

Type: String

Pattern: `[a-f0-9]{32}`

Required: Yes

Values

A list of key values.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "KeyName": "string",
  "Values": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

KeyName

A searchable identifier of a customer profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Values

A list of key values.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of AddProfileKey.

Sample Request

```
POST /v1/domains/ExampleDomainName/profiles/keys

Content-type: application/json
{
  "ProfileId": "3991a7d959d248bba82546b2dEXAMPLE",
  "KeyName": "_ctrContactId",
  "Values": ["valueOfTheContactId"]
}
```

Sample Response

```
Content-type: application/json
{
  "KeyName": "_ctrContactId",
  "Values": ["valueOfTheContactId"]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

BatchGetCalculatedAttributeForProfile

Fetch the possible attribute values given the attribute name.

Request Syntax

```
POST /domains/DomainName/calculated-attributes/CalculatedAttributeName/batch-get-for-profiles HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "ConditionOverrides": {
    "Range": {
      "End": number,
      "Start": number,
      "Unit": "string"
    }
  },
  "ProfileIds": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

CalculatedAttributeName

The unique name of the calculated attribute.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ConditionOverrides

Overrides the condition block within the original calculated attribute definition.

Type: ConditionOverrides object

Required: No

ProfileIds

List of unique identifiers for customer profiles to retrieve.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Pattern: [a-f0-9]{32}

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CalculatedAttributeValues": [
    {
      "CalculatedAttributeName": "string",
      "DisplayName": "string",
      "IsDataPartial": "string",
      "LastObjectTimestamp": number,
      "ProfileId": "string",
      "Value": "string"
    }
  ],
}
```

```
{
  "ConditionOverrides": {
    "Range": {
      "End": number,
      "Start": number,
      "Unit": "string"
    }
  },
  "Errors": [
    {
      "Code": "string",
      "Message": "string",
      "ProfileId": "string"
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CalculatedAttributeValues

List of calculated attribute values retrieved.

Type: Array of [CalculatedAttributeValue](#) objects

ConditionOverrides

Overrides the condition block within the original calculated attribute definition.

Type: [ConditionOverrides](#) object

Errors

List of errors for calculated attribute values that could not be retrieved.

Type: Array of [BatchGetCalculatedAttributeForProfileError](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

BatchGetProfile

Get a batch of profiles.

Request Syntax

```
POST /domains/DomainName/batch-get-profiles HTTP/1.1
Content-type: application/json
```

```
{
  "ProfileIds": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ProfileIds

List of unique identifiers for customer profiles to retrieve.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Pattern: `[a-f0-9]{32}`

Required: Yes

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "Errors": [
    {
      "Code": "string",
      "Message": "string",
      "ProfileId": "string"
    }
  ],
  "Profiles": [
    {
      "AccountNumber": "string",
      "AdditionalInformation": "string",
      "Address": {
        "Address1": "string",
        "Address2": "string",
        "Address3": "string",
        "Address4": "string",
        "City": "string",
        "Country": "string",
        "County": "string",
        "PostalCode": "string",
        "Province": "string",
        "State": "string"
      },
      "Attributes": {
        "string": "string"
      },
      "BillingAddress": {
        "Address1": "string",
        "Address2": "string",
        "Address3": "string",
        "Address4": "string",
        "City": "string",
        "Country": "string",
        "County": "string",
        "PostalCode": "string",
        "Province": "string",
        "State": "string"
      }
    }
  ]
}
```

```
},
  "BirthDate": "string",
  "BusinessEmailAddress": "string",
  "BusinessName": "string",
  "BusinessPhoneNumber": "string",
  "EmailAddress": "string",
  "EngagementPreferences": {
    "Email": [
      {
        "ContactType": "string",
        "KeyName": "string",
        "KeyValue": "string",
        "ProfileId": "string"
      }
    ],
    "Phone": [
      {
        "ContactType": "string",
        "KeyName": "string",
        "KeyValue": "string",
        "ProfileId": "string"
      }
    ]
  },
  "FirstName": "string",
  "FoundByItems": [
    {
      "KeyName": "string",
      "Values": [ "string" ]
    }
  ],
  "Gender": "string",
  "GenderString": "string",
  "HomePhoneNumber": "string",
  "LastName": "string",
  "MailingAddress": {
    "Address1": "string",
    "Address2": "string",
    "Address3": "string",
    "Address4": "string",
    "City": "string",
    "Country": "string",
    "County": "string",
    "PostalCode": "string",
```

```
    "Province": "string",
    "State": "string"
  },
  "MiddleName": "string",
  "MobilePhoneNumber": "string",
  "PartyType": "string",
  "PartyTypeString": "string",
  "PersonalEmailAddress": "string",
  "PhoneNumber": "string",
  "ProfileId": "string",
  "ProfileType": "string",
  "ShippingAddress": {
    "Address1": "string",
    "Address2": "string",
    "Address3": "string",
    "Address4": "string",
    "City": "string",
    "Country": "string",
    "County": "string",
    "PostalCode": "string",
    "Province": "string",
    "State": "string"
  }
}
]
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

Type: Array of [BatchGetProfileError](#) objects

Profiles

Array of Profile Objects.

Type: Array of [Profile](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateCalculatedAttributeDefinition

Creates a new calculated attribute definition. After creation, new object data ingested into Customer Profiles will be included in the calculated attribute, which can be retrieved for a profile using the [GetCalculatedAttributeForProfile](#) API. Defining a calculated attribute makes it available for all profiles within a domain. Each calculated attribute can only reference one ObjectType and at most, two fields from that ObjectType.

Request Syntax

```
POST /domains/DomainName/calculated-attributes/CalculatedAttributeName HTTP/1.1
Content-type: application/json
```

```
{
  "AttributeDetails": {
    "Attributes": [
      {
        "Name": "string"
      }
    ],
    "Expression": "string"
  },
  "Conditions": {
    "ObjectCount": number,
    "Range": {
      "TimestampFormat": "string",
      "TimestampSource": "string",
      "Unit": "string",
      "Value": number,
      "ValueRange": {
        "End": number,
        "Start": number
      }
    }
  },
  "Threshold": {
    "Operator": "string",
    "Value": "string"
  }
},
  "Description": "string",
  "DisplayName": "string",
  "Filter": {
```



```
"Groups": [
  {
    "Dimensions": [
      {
        "Attributes": {
          "string": {
            "DimensionType": "string",
            "Values": [ "string" ]
          }
        }
      }
    ],
    "Type": "string"
  }
],
"Include": "string",
"Statistic": "string",
"Tags": {
  "string": "string"
},
"UseHistoricalData": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

CalculatedAttributeName

The unique name of the calculated attribute.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AttributeDetails

Mathematical expression and a list of attribute items specified in that expression.

Type: [AttributeDetails](#) object

Required: Yes

Conditions

The conditions including range, object count, and threshold for the calculated attribute.

Type: [Conditions](#) object

Required: No

Description

The description of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

DisplayName

The display name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

Required: No

Filter

Defines how to filter incoming objects to include part of the Calculated Attribute.

Type: [Filter](#) object

Required: No

Statistic

The aggregation operation to perform for the calculated attribute.

Type: String

Valid Values: FIRST_OCCURRENCE | LAST_OCCURRENCE | COUNT | SUM | MINIMUM | MAXIMUM | AVERAGE | MAX_OCCURRENCE

Required: Yes

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Required: No

UseHistoricalData

Whether historical data ingested before the Calculated Attribute was created should be included in calculations.

Type: Boolean

Required: No

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "AttributeDetails": {
    "Attributes": [
      {
        "Name": "string"
      }
    ],
    "Expression": "string"
  },
  "CalculatedAttributeName": "string",
  "Conditions": {
    "ObjectCount": number,
    "Range": {
      "TimestampFormat": "string",
      "TimestampSource": "string",
      "Unit": "string",
      "Value": number,
      "ValueRange": {
        "End": number,
        "Start": number
      }
    },
    "Threshold": {
      "Operator": "string",
      "Value": "string"
    }
  },
  "CreatedAt": number,
  "Description": "string",
  "DisplayName": "string",
  "Filter": {
    "Groups": [
      {
        "Dimensions": [
          {
            "Attributes": {
              "string": {
                "DimensionType": "string",
```

```
        "Values": [ "string" ]
      }
    }
  ],
  "Type": "string"
},
"Include": "string",
},
"LastUpdatedAt": number,
"Readiness": {
  "Message": "string",
  "ProgressPercentage": number
},
"Statistic": "string",
"Status": "string",
"Tags": {
  "string" : "string"
},
"UseHistoricalData": boolean
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AttributeDetails

Mathematical expression and a list of attribute items specified in that expression.

Type: AttributeDetails object

CalculatedAttributeName

The unique name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Conditions

The conditions including range, object count, and threshold for the calculated attribute.

Type: [Conditions](#) object

CreatedAt

The timestamp of when the calculated attribute definition was created.

Type: Timestamp

Description

The description of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

DisplayName

The display name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

Filter

The filter that was used as part of the request.

Type: [Filter](#) object

LastUpdatedAt

The timestamp of when the calculated attribute definition was most recently edited.

Type: Timestamp

Readiness

Information indicating if the Calculated Attribute is ready for use by confirming all historical data has been processed and reflected.

Type: [Readiness](#) object

Statistic

The aggregation operation to perform for the calculated attribute.

Type: String

Valid Values: FIRST_OCCURRENCE | LAST_OCCURRENCE | COUNT | SUM | MINIMUM | MAXIMUM | AVERAGE | MAX_OCCURRENCE

Status

Status of the Calculated Attribute creation (whether all historical data has been indexed.)

Type: String

Valid Values: PREPARING | IN_PROGRESS | COMPLETED | FAILED

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

UseHistoricalData

Whether historical data ingested before the Calculated Attribute was created should be included in calculations.

Type: Boolean

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateDomain

Creates a domain, which is a container for all customer data, such as customer profile attributes, object types, profile keys, and encryption keys. You can create multiple domains, and each domain can have multiple third-party integrations.

Each Connect Customer instance can be associated with only one domain. Multiple Connect Customer instances can be associated with one domain.

Use this API or [UpdateDomain](#) to enable [identity resolution](#): set Matching to true.

To prevent cross-service impersonation when you call this API, see [Cross-service confused deputy prevention](#) for sample policies that you should apply.

Note

It is not possible to associate a Customer Profiles domain with an Amazon Connect Instance directly from the API. If you would like to create a domain and associate a Customer Profiles domain, use the Amazon Connect admin website. For more information, see [Enable Customer Profiles](#).

Each Amazon Connect instance can be associated with only one domain. Multiple Amazon Connect instances can be associated with one domain.

Request Syntax

```
POST /domains/DomainName HTTP/1.1
Content-type: application/json

{
  "DataStore": {
    "Enabled": boolean
  },
  "DeadLetterQueueUrl": "string",
  "DefaultEncryptionKey": "string",
  "DefaultExpirationDays": number,
  "Matching": {
    "AutoMerging": {
      "ConflictResolution": {
        "ConflictResolvingModel": "string",
        "SourceName": "string"
      }
    }
  }
}
```

```
    },
    "Consolidation": {
      "MatchingAttributesList": [
        [ "string" ]
      ]
    },
    "Enabled": boolean,
    "MinAllowedConfidenceScoreForMerging": number
  },
  "Enabled": boolean,
  "ExportingConfig": {
    "S3Exporting": {
      "S3BucketName": "string",
      "S3KeyName": "string"
    }
  },
  "JobSchedule": {
    "DayOfTheWeek": "string",
    "Time": "string"
  }
},
"RuleBasedMatching": {
  "AttributeTypesSelector": {
    "Address": [ "string" ],
    "AttributeMatchingModel": "string",
    "EmailAddress": [ "string" ],
    "PhoneNumber": [ "string" ]
  },
  "ConflictResolution": {
    "ConflictResolvingModel": "string",
    "SourceName": "string"
  },
  "Enabled": boolean,
  "ExportingConfig": {
    "S3Exporting": {
      "S3BucketName": "string",
      "S3KeyName": "string"
    }
  },
  "MatchingRules": [
    {
      "Rule": [ "string" ]
    }
  ]
},
```

```
    "MaxAllowedRuleLevelForMatching": number,
    "MaxAllowedRuleLevelForMerging": number
  },
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

DataStore

Set to true to enable data store for this domain.

Type: [DataStoreRequest](#) object

Required: No

DeadLetterQueueUrl

The URL of the SQS dead letter queue, which is used for reporting errors associated with ingesting data from third party applications. You must set up a policy on the DeadLetterQueue for the SendMessage operation to enable Amazon Connect Customer Profiles to send messages to the DeadLetterQueue.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

DefaultEncryptionKey

The default encryption key, which is an AWS managed key, is used when no specific type of encryption key is specified. It is used to encrypt all data before it is placed in permanent or semi-permanent storage.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

DefaultExpirationDays

The default number of days until the data within the domain expires.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1098.

Required: Yes

Matching

The process of matching duplicate profiles. If `Matching = true`, Amazon Connect Customer Profiles starts a weekly batch process called Identity Resolution Job. If you do not specify a date and time for Identity Resolution Job to run, by default it runs every Saturday at 12AM UTC to detect duplicate profiles in your domains.

After the Identity Resolution Job completes, use the [GetMatches](#) API to return and review the results. Or, if you have configured `ExportingConfig` in the `MatchingRequest`, you can download the results from S3.

Type: [MatchingRequest](#) object

Required: No

RuleBasedMatching

The process of matching duplicate profiles using the Rule-Based matching. If `RuleBasedMatching = true`, Connect Customer Customer Profiles will start to match and merge your profiles according to your configuration in the `RuleBasedMatchingRequest`. You can use the `ListRuleBasedMatches` and `GetSimilarProfiles` API to return and review the

results. Also, if you have configured `ExportingConfig` in the `RuleBasedMatchingRequest`, you can download the results from S3.

Type: [RuleBasedMatchingRequest](#) object

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CreatedAt": number,
  "DataStore": {
    "Enabled": boolean,
    "Readiness": {
      "Message": "string",
      "ProgressPercentage": number
    }
  },
  "DeadLetterQueueUrl": "string",
  "DefaultEncryptionKey": "string",
  "DefaultExpirationDays": number,
  "DomainName": "string",
  "LastUpdatedAt": number,
  "Matching": {
    "AutoMerging": {
```

```
"ConflictResolution": {
  "ConflictResolvingModel": "string",
  "SourceName": "string"
},
"Consolidation": {
  "MatchingAttributesList": [
    "string"
  ]
},
"Enabled": boolean,
"MinAllowedConfidenceScoreForMerging": number
},
"Enabled": boolean,
"ExportingConfig": {
  "S3Exporting": {
    "S3BucketName": "string",
    "S3KeyName": "string"
  }
},
"JobSchedule": {
  "DayOfTheWeek": "string",
  "Time": "string"
}
},
"RuleBasedMatching": {
  "AttributeTypesSelector": {
    "Address": [ "string" ],
    "AttributeMatchingModel": "string",
    "EmailAddress": [ "string" ],
    "PhoneNumber": [ "string" ]
  },
  "ConflictResolution": {
    "ConflictResolvingModel": "string",
    "SourceName": "string"
  },
  "Enabled": boolean,
  "ExportingConfig": {
    "S3Exporting": {
      "S3BucketName": "string",
      "S3KeyName": "string"
    }
  },
  "MatchingRules": [
    {
```

```
        "Rule": [ "string" ]
      },
    ],
    "MaxAllowedRuleLevelForMatching": number,
    "MaxAllowedRuleLevelForMerging": number,
    "Status": "string"
  },
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the domain was created.

Type: Timestamp

DataStore

The data store.

Type: [DataStoreResponse](#) object

DeadLetterQueueUrl

The URL of the SQS dead letter queue, which is used for reporting errors associated with ingesting data from third party applications.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

DefaultEncryptionKey

The default encryption key, which is an AWS managed key, is used when no specific type of encryption key is specified. It is used to encrypt all data before it is placed in permanent or semi-permanent storage.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

DefaultExpirationDays

The default number of days until the data within the domain expires.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1098.

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

LastUpdatedAt

The timestamp of when the domain was most recently edited.

Type: Timestamp

Matching

The process of matching duplicate profiles. If `Matching = true`, Amazon Connect Customer Profiles starts a weekly batch process called Identity Resolution Job. If you do not specify a date and time for Identity Resolution Job to run, by default it runs every Saturday at 12AM UTC to detect duplicate profiles in your domains.

After the Identity Resolution Job completes, use the [GetMatches](#) API to return and review the results. Or, if you have configured `ExportingConfig` in the `MatchingRequest`, you can download the results from S3.

Type: [MatchingResponse](#) object

RuleBasedMatching

The process of matching duplicate profiles using the Rule-Based matching. If `RuleBasedMatching = true`, Connect Customer Customer Profiles will start to match and

merge your profiles according to your configuration in the `RuleBasedMatchingRequest`. You can use the `ListRuleBasedMatches` and `GetSimilarProfiles` API to return and review the results. Also, if you have configured `ExportingConfig` in the `RuleBasedMatchingRequest`, you can download the results from S3.

Type: [RuleBasedMatchingResponse](#) object

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of CreateDomain.

Sample Request

```
POST /v1/domains/ExampleDomainName
Content-type: application/json
{
  "DeadLetterQueueUrl": "arn:aws:sqs:us-east-1:123456789012:DLQName",
  "DefaultEncryptionKey": "arn:aws:kms:us-east-1:123456789012:key/1988472d-6b77-4bb6-ae39-efce5EXAMPLE",
  "DefaultExpirationDays": 1098,
  "DomainName": "ExampleDomainName"
}
```

Sample Response

```
Content-type: application/json
{
  "DeadLetterQueueUrl": "arn:aws:sqs:us-east-1:123456789012:DLQName",
  "CreatedAt": 1479249799770,
  "DefaultEncryptionKey": "arn:aws:kms:us-east-1:123456789012:key/1988472d-6b77-4bb6-ae39-efce5EXAMPLE",
  "DefaultExpirationDays": 1098,
  "LastUpdatedAt": 1479249799770,
  "DomainName": "ExampleDomainName"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateDomainLayout

Creates the layout to view data for a specific domain. This API can only be invoked from the Amazon Connect admin website.

Request Syntax

```
POST /domains/DomainName/layouts/LayoutDefinitionName HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "Description": "string",
  "DisplayName": "string",
  "IsDefault": boolean,
  "Layout": "string",
  "LayoutType": "string",
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

LayoutDefinitionName

The unique name of the layout.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

The description of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

DisplayName

The display name of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

Required: Yes

IsDefault

If set to true for a layout, this layout will be used by default to view data. If set to false, then the layout will not be used by default, but it can be used to view data by explicitly selecting it in the console.

Type: Boolean

Required: No

Layout

A customizable layout that can be used to view data under a Customer Profiles domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000000.

Required: Yes

LayoutType

The type of layout that can be used to view data under a Customer Profiles domain.

Type: String

Valid Values: PROFILE_EXPLORER

Required: Yes

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{
  "CreatedAt": number,
  "Description": "string",
  "DisplayName": "string",
  "IsDefault": boolean,
  "LastUpdatedAt": number,
  "Layout": "string",
  "LayoutDefinitionName": "string",
  "LayoutType": "string",
  "Tags": {
    "string" : "string"
  }
}
```

```
},  
  "Version": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the layout was created.

Type: Timestamp

Description

The description of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

DisplayName

The display name of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

IsDefault

If set to true for a layout, this layout will be used by default to view data. If set to false, then the layout will not be used by default, but it can be used to view data by explicitly selecting it in the console.

Type: Boolean

LastUpdatedAt

The timestamp of when the layout was most recently updated.

Type: Timestamp

Layout

A customizable layout that can be used to view data under Customer Profiles domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000000.

LayoutDefinitionName

The unique name of the layout.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

LayoutType

The type of layout that can be used to view data under customer profiles domain.

Type: String

Valid Values: PROFILE_EXPLORER

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Version

The version used to create layout.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateEventStream

Creates an event stream, which is a subscription to real-time events, such as when profiles are created and updated through Connect Customer Customer Profiles.

Each event stream can be associated with only one Kinesis Data Stream destination in the same region and AWS account as the customer profiles domain

Request Syntax

```
POST /domains/DomainName/event-streams/EventStreamName HTTP/1.1
Content-type: application/json

{
  "Tags": {
    "string" : "string"
  },
  "Uri": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

EventStreamName

The name of the event stream.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]+`

Value Length Constraints: Maximum length of 256.

Required: No

Uri

The StreamARN of the destination to deliver profile events to. For example, `arn:aws:kinesis:region:account-id:stream/stream-name`

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "EventStreamArn": "string",
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

EventStreamArn

A unique identifier for the event stream.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+ -=._:/]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateEventTrigger

Creates an event trigger, which specifies the rules when to perform action based on customer's ingested data.

Each event stream can be associated with only one integration in the same region and AWS account as the event stream.

Request Syntax

```
POST /domains/DomainName/event-triggers/EventTriggerName HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "Description": "string",
  "EventTriggerConditions": [
    {
      "EventTriggerDimensions": [
        {
          "ObjectAttributes": [
            {
              "ComparisonOperator": "string",
              "FieldName": "string",
              "Source": "string",
              "Values": [ "string" ]
            }
          ]
        }
      ],
      "LogicalOperator": "string"
    }
  ],
  "EventTriggerLimits": {
    "EventExpiration": number,
    "Periods": [
      {
        "MaxInvocationsPerProfile": number,
        "Unit": "string",
        "Unlimited": boolean,
        "Value": number
      }
    ]
  }
},
```



```
"ObjectName": "string",
"SegmentFilter": "string",
"Tags": {
  "string" : "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

EventTriggerName

The unique name of the event trigger.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

The description of the event trigger.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

EventTriggerConditions

A list of conditions that determine when an event should trigger the destination.

Type: Array of [EventTriggerCondition](#) objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: Yes

EventTriggerLimits

Defines limits controlling whether an event triggers the destination, based on ingestion latency and the number of invocations per profile over specific time periods.

Type: [EventTriggerLimits](#) object

Required: No

ObjectTypeName

The unique name of the object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

SegmentFilter

The destination is triggered only for profiles that meet the criteria of a segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

Tags

An array of key-value pairs to apply to this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+--=._:/]+$`

Value Length Constraints: Maximum length of 256.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CreatedAt": number,
  "Description": "string",
  "EventTriggerConditions": [
    {
      "EventTriggerDimensions": [
        {
          "ObjectAttributes": [
            {
              "ComparisonOperator": "string",
              "FieldName": "string",
              "Source": "string",
              "Values": [ "string" ]
            }
          ]
        }
      ],
      "LogicalOperator": "string"
    }
  ],
  "EventTriggerLimits": {
    "EventExpiration": number,
    "Periods": [
      {
        "MaxInvocationsPerProfile": number,
        "Unit": "string",
```

```
        "Unlimited": boolean,
        "Value": number
    }
]
},
"EventTriggerName": "string",
"LastUpdatedAt": number,
"ObjectTypeName": "string",
"SegmentFilter": "string",
"Tags": {
    "string" : "string"
}
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the event trigger was created.

Type: Timestamp

Description

The description of the event trigger.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

EventTriggerConditions

A list of conditions that determine when an event should trigger the destination.

Type: Array of [EventTriggerCondition](#) objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

EventTriggerLimits

Defines limits controlling whether an event triggers the destination, based on ingestion latency and the number of invocations per profile over specific time periods.

Type: [EventTriggerLimits](#) object

[EventTriggerName](#)

The unique name of the event trigger.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

[LastUpdatedAt](#)

The timestamp of when the event trigger was most recently updated.

Type: Timestamp

[ObjectTypeName](#)

The unique name of the object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

[SegmentFilter](#)

The destination is triggered only for profiles that meet the criteria of a segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

[Tags](#)

An array of key-value pairs to apply to this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateIntegrationWorkflow

Creates an integration workflow. An integration workflow is an async process which ingests historic data and sets up an integration for ongoing updates. The supported Amazon AppFlow sources are Salesforce, ServiceNow, and Marketo.

Request Syntax

POST /domains/*DomainName*/workflows/integrations HTTP/1.1

Content-type: application/json

```
{
  "IntegrationConfig": {
    "AppflowIntegration": {
      "Batches": [
        {
          "EndTime": number,
          "StartTime": number
        }
      ],
      "FlowDefinition": {
        "Description": "string",
        "FlowName": "string",
        "KmsArn": "string",
        "SourceFlowConfig": {
          "ConnectorProfileName": "string",
          "ConnectorType": "string",
          "IncrementalPullConfig": {
            "DatetimeTypeFieldName": "string"
          },
          "SourceConnectorProperties": {
            "Marketo": {
              "Object": "string"
            },
            "S3": {
              "BucketName": "string",
              "BucketPrefix": "string"
            },
            "Salesforce": {
              "EnableDynamicFieldUpdate": boolean,
              "IncludeDeletedRecords": boolean,
              "Object": "string"
            }
          }
        }
      }
    }
  }
}
```



```

    },
    "ServiceNow": {
      "Object": "string"
    },
    "Zendesk": {
      "Object": "string"
    }
  },
  "Tasks": [
    {
      "ConnectorOperator": {
        "Marketo": "string",
        "S3": "string",
        "Salesforce": "string",
        "ServiceNow": "string",
        "Zendesk": "string"
      },
      "DestinationField": "string",
      "SourceFields": [ "string" ],
      "TaskProperties": {
        "string" : "string"
      },
      "TaskType": "string"
    }
  ],
  "TriggerConfig": {
    "TriggerProperties": {
      "Scheduled": {
        "DataPullMode": "string",
        "FirstExecutionFrom": number,
        "ScheduleEndTime": number,
        "ScheduleExpression": "string",
        "ScheduleOffset": number,
        "ScheduleStartTime": number,
        "Timezone": "string"
      }
    },
    "TriggerType": "string"
  }
}
},
"ObjectTypeName": "string",

```

```
"RoleArn": "string",  
"Tags": {  
  "string" : "string"  
},  
"WorkflowType": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

IntegrationConfig

Configuration data for integration workflow.

Type: [IntegrationConfig](#) object

Required: Yes

ObjectTypeName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

RoleArn

The Amazon Resource Name (ARN) of the IAM role. Customer Profiles assumes this role to create resources on your behalf as part of workflow execution.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:iam:.*:[0-9]+:.*`

Required: Yes

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Required: No

WorkflowType

The type of workflow. The only supported value is APPFLOW_INTEGRATION.

Type: String

Valid Values: APPFLOW_INTEGRATION

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{  
  "Message": "string",  
  "WorkflowId": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Message

A message indicating create request was received.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

WorkflowId

Unique identifier for the workflow.

Type: String

Pattern: [a-f0-9]{32}

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateProfile

Creates a standard profile.

A standard profile represents the following attributes for a customer profile in a domain.

Request Syntax

```
POST /domains/DomainName/profiles HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "AccountNumber": "string",
  "AdditionalInformation": "string",
  "Address": {
    "Address1": "string",
    "Address2": "string",
    "Address3": "string",
    "Address4": "string",
    "City": "string",
    "Country": "string",
    "County": "string",
    "PostalCode": "string",
    "Province": "string",
    "State": "string"
  },
  "Attributes": {
    "string" : "string"
  },
  "BillingAddress": {
    "Address1": "string",
    "Address2": "string",
    "Address3": "string",
    "Address4": "string",
    "City": "string",
    "Country": "string",
    "County": "string",
    "PostalCode": "string",
    "Province": "string",
    "State": "string"
  },
  "BirthDate": "string",
  "BusinessEmailAddress": "string",
```

```
"BusinessName": "string",
"BusinessPhoneNumber": "string",
"EmailAddress": "string",
"EngagementPreferences": {
  "Email": [
    {
      "ContactType": "string",
      "KeyName": "string",
      "KeyValue": "string",
      "ProfileId": "string"
    }
  ],
  "Phone": [
    {
      "ContactType": "string",
      "KeyName": "string",
      "KeyValue": "string",
      "ProfileId": "string"
    }
  ]
},
"FirstName": "string",
"Gender": "string",
"GenderString": "string",
"HomePhoneNumber": "string",
"LastName": "string",
"MailingAddress": {
  "Address1": "string",
  "Address2": "string",
  "Address3": "string",
  "Address4": "string",
  "City": "string",
  "Country": "string",
  "County": "string",
  "PostalCode": "string",
  "Province": "string",
  "State": "string"
},
"MiddleName": "string",
"MobilePhoneNumber": "string",
"PartyType": "string",
"PartyTypeString": "string",
"PersonalEmailAddress": "string",
"PhoneNumber": "string",
```

```
"ProfileType": "string",
"ShippingAddress": {
  "Address1": "string",
  "Address2": "string",
  "Address3": "string",
  "Address4": "string",
  "City": "string",
  "Country": "string",
  "County": "string",
  "PostalCode": "string",
  "Province": "string",
  "State": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AccountNumber

An account number that you have assigned to the customer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

AdditionalInformation

Any additional information relevant to the customer's profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

Address

A generic address associated with the customer that is not mailing, shipping, or billing.

Type: [Address](#) object

Required: No

Attributes

A key value pair of attributes of a customer profile.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Value Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

BillingAddress

The customer's billing address.

Type: [Address](#) object

Required: No

BirthDate

The customer's birth date.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

BusinessEmailAddress

The customer's business email address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

BusinessName

The name of the customer's business.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

BusinessPhoneNumber

The customer's business phone number.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

EmailAddress

The customer's email address, which has not been specified as a personal or business address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

EngagementPreferences

Object that defines the preferred methods of engagement, per channel.

Type: [EngagementPreferences](#) object

Required: No

FirstName

The customer's first name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Gender

This parameter has been deprecated.

The gender with which the customer identifies.

Type: String

Valid Values: MALE | FEMALE | UNSPECIFIED

Required: No

GenderString

An alternative to Gender which accepts any string as input.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

HomePhoneNumber

The customer's home phone number.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

LastName

The customer's last name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

MailingAddress

The customer's mailing address.

Type: [Address](#) object

Required: No

MiddleName

The customer's middle name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

MobilePhoneNumber

The customer's mobile phone number.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

PartyType

This parameter has been deprecated.

The type of profile used to describe the customer.

Type: String

Valid Values: INDIVIDUAL | BUSINESS | OTHER

Required: No

PartyTypeString

An alternative to PartyType which accepts any string as input.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

PersonalEmailAddress

The customer's personal email address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

PhoneNumber

The customer's phone number, which has not been specified as a mobile, home, or business number.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

ProfileType

The type of the profile.

Type: String

Valid Values: ACCOUNT_PROFILE | PROFILE

Required: No

ShippingAddress

The customer's shipping address.

Type: [Address](#) object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{  
  "ProfileId": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ProfileId

The unique identifier of a customer profile.

Type: String

Pattern: [a-f0-9]{32}

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of CreateProfile.

Sample Request

```
POST /domains/ExampleDomainName/profiles HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "AccountNumber": "ACCT12344",
  "Address": {
    "Address1": "123 Sample St",
    "Address2": "Apt 4",
    "Address3": "null",
    "Address4": "null",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
    "State": "WA"
  },
  "Attributes": {
    "SSN" : "123-44-3433",
    "LoyaltyPoints" : "3000"
  },
  "BillingAddress": {
    "Address1": "789 Sample St",
    "Address2": "Apt 1",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
```

```
    "State": "WA"
  },
  "BirthDate": "07/12/1980",
  "BusinessEmailAddress": "example@amazon.com",
  "BusinessName": "My Awesome Company",
  "BusinessPhoneNumber": "555-334-3389",
  "EmailAddress": "example@gmail.com",
  "FirstName": "John",
  "Gender": "MALE",
  "HomePhoneNumber": "555-334-3344",
  "LastName": "Doe",
  "MailingAddress": {
    "Address1": "234 Home St",
    "Address2": "Apt 5",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
    "State": "WA"
  },
  "AdditionalInformation": "High Profile Customer",
  "MiddleName": "",
  "MobilePhoneNumber": "555-334-7777",
  "PartyType": "INDIVIDUAL",
  "PersonalEmailAddress": "email1@gmail.com",
  "PhoneNumber": "",
  "ShippingAddress": {
    "Address1": "555 A St",
    "Address2": "Suite 100",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
    "State": "WA"
  }
}
```

Sample Response

```
Content-type: application/json
{
```



```
"ProfileId" : "3991a7d959d248bb982546b2dEXAMPLE"  
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateRecommender

Creates a recommender

Request Syntax

POST /domains/*DomainName*/recommenders/*RecommenderName* HTTP/1.1

Content-type: application/json

```
{
  "Description": "string",
  "RecommenderConfig": {
    "EventsConfig": {
      "EventParametersList": [
        {
          "EventType": "string",
          "EventValueThreshold": number,
          "EventWeight": number
        }
      ]
    },
    "IncludedColumns": {
      "string" : [ "string" ]
    },
    "InferenceConfig": {
      "MinProvisionedTPS": number
    },
    "TrainingFrequency": number
  },
  "RecommenderRecipeName": "string",
  "RecommenderSchemaName": "string",
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderName

The name of the recommender.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

The description of the domain object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

RecommenderConfig

The recommender configuration.

Type: [RecommenderConfig](#) object

Required: No

RecommenderRecipeName

The name of the recommender recipe.

Type: String

Valid Values: recommended-for-you | similar-items | frequently-paired-items
| popular-items | trending-now | personalized-ranking

Required: Yes

RecommenderSchemaName

The name of the recommender schema to use for this recommender. If not specified, the default schema is used.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "RecommenderArn": "string",
```

```
"Tags": {  
  "string" : "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RecommenderArn

The ARN of the recommender

Type: String

Pattern: `arn:([a-z\d-]):profile:.*:.*:.*`

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateRecommenderFilter

Creates a recommender filter. A recommender filter specifies which items to include or exclude from recommendations.

Request Syntax

```
POST /domains/DomainName/recommender-filters/RecommenderFilterName HTTP/1.1
Content-type: application/json

{
  "Description": "string",
  "RecommenderFilterExpression": "string",
  "RecommenderSchemaName": "string",
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderFilterName

The name of the recommender filter. The name must be unique within the domain.

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

A description of the recommender filter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

RecommenderFilterExpression

The filter expression that defines which items to include or exclude from recommendations.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2500.

Required: Yes

RecommenderSchemaName

The name of the recommender schema to use for this recommender filter. If not specified, the default schema is used.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "RecommenderFilterArn": "string",
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RecommenderFilterArn

The Amazon Resource Name (ARN) of the recommender filter.

Type: String

Pattern: `arn:([a-z\d-]):profile:.*:.*:.*`

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateRecommenderSchema

Creates a recommender schema. A recommender schema defines the set of data columns available for training recommenders and filters under a domain.

Request Syntax

```
POST /domains/DomainName/recommender-schemas/RecommenderSchemaName HTTP/1.1
Content-type: application/json
```

```
{
  "Fields": {
    "string" : [
      {
        "ContentType": "string",
        "FeatureType": "string",
        "TargetFieldName": "string"
      }
    ]
  },
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderSchemaName

The name of the recommender schema. The name must be unique within the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Fields

A map of dataset type to column definitions that specifies which data columns to include in the schema. Currently only the `_webAnalytics` key is supported.

Type: String to array of [RecommenderSchemaField](#) objects map

Map Entries: Maximum number of 1 item.

Array Members: Minimum number of 1 item. Maximum number of 9 items.

Required: Yes

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
  "CreatedAt": number,
  "Fields": {
    "string" : [
      {
        "ContentType": "string",
        "FeatureType": "string",
        "TargetFieldName": "string"
      }
    ]
  },
  "RecommenderSchemaArn": "string",
  "RecommenderSchemaName": "string",
  "Status": "string",
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the recommender schema was created.

Type: Timestamp

Fields

A map of dataset type to column definitions included in the schema.

Type: String to array of [RecommenderSchemaField](#) objects map

Map Entries: Maximum number of 1 item.

Array Members: Minimum number of 1 item. Maximum number of 9 items.

RecommenderSchemaArn

The Amazon Resource Name (ARN) of the recommender schema.

Type: String

Pattern: `arn:([a-z\d-]+):profile:.*:.*:.*+`

RecommenderSchemaName

The name of the recommender schema.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Status

The status of the recommender schema.

Type: String

Valid Values: ACTIVE | DELETING

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateSegmentDefinition

Creates a segment definition associated to the given domain.

Request Syntax

```
POST /domains/DomainName/segment-definitions/SegmentDefinitionName HTTP/1.1
Content-type: application/json
```

```
{
  "Description": "string",
  "DisplayName": "string",
  "SegmentGroups": {
    "Groups": [
      {
        "Dimensions": [
          { ... }
        ],
        "SourceSegments": [
          {
            "SegmentDefinitionName": "string"
          }
        ],
        "SourceType": "string",
        "Type": "string"
      }
    ],
    "Include": "string"
  },
  "SegmentSort": {
    "Attributes": [
      {
        "DataType": "string",
        "Name": "string",
        "Order": "string",
        "Type": "string"
      }
    ]
  },
  "SegmentSqlQuery": "string",
  "Tags": {
    "string" : "string"
  }
}
```

```
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

SegmentDefinitionName

The unique name of the segment definition.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

The description of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4000.

Required: No

DisplayName

The display name of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

SegmentGroups

Specifies the base segments and dimensions for a segment definition along with their respective relationship.

Type: [SegmentGroup](#) object

Required: No

SegmentSort

The segment sort.

Type: [SegmentSort](#) object

Required: No

SegmentSqlQuery

The segment SQL query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50000.

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CreatedAt": number,
  "Description": "string",
  "DisplayName": "string",
  "SegmentDefinitionArn": "string",
  "SegmentDefinitionName": "string",
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the segment definition was created.

Type: Timestamp

Description

The description of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4000.

DisplayName

The display name of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

SegmentDefinitionArn

The arn of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

SegmentDefinitionName

The name of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateSegmentEstimate

Creates a segment estimate query.

Request Syntax

```
POST /domains/DomainName/segment-estimates HTTP/1.1
Content-type: application/json
```

```
{
  "SegmentQuery": {
    "Groups": [
      {
        "Dimensions": [
          { ... }
        ],
        "SourceSegments": [
          {
            "SegmentDefinitionName": "string"
          }
        ],
        "SourceType": "string",
        "Type": "string"
      }
    ],
    "Include": "string"
  },
  "SegmentSqlQuery": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

SegmentQuery

The segment query for calculating a segment estimate.

Type: [SegmentGroupStructure](#) object

Required: No

SegmentSqlQuery

The segment SQL query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50000.

Required: No

Response Syntax

```
HTTP/1.1 StatusCode
Content-type: application/json

{
  "DomainName": "string",
  "EstimateId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

StatusCode

The status code for the response.

The following data is returned in JSON format by the service.

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

EstimateId

A unique identifier for the resource. The value can be passed to `GetSegmentEstimate` to retrieve the result of segment estimate status.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateSegmentSnapshot

Triggers a job to export a segment to a specified destination.

Request Syntax

```
POST /domains/DomainName/segments/SegmentDefinitionName/snapshots HTTP/1.1
Content-type: application/json
```

```
{
  "DataFormat": "string",
  "DestinationUri": "string",
  "EncryptionKey": "string",
  "RoleArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

SegmentDefinitionName

The name of the segment definition used in this snapshot request.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

DataFormat

The format in which the segment will be exported.

Type: String

Valid Values: CSV | JSONL | ORC

Required: Yes

DestinationUri

The destination to which the segment will be exported. This field must be provided if the request is not submitted from the Connect Customer Admin Website.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

EncryptionKey

The Amazon Resource Name (ARN) of the KMS key used to encrypt the exported segment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

RoleArn

The Amazon Resource Name (ARN) of the IAM role that allows Customer Profiles service principal to assume the role for conducting KMS and S3 operations.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:iam:.*:[0-9]+:.*`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "SnapshotId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[SnapshotId](#)

The unique identifier of the segment snapshot.

Type: String

Pattern: [a-f0-9]{32}

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateUploadJob

Creates an Upload job to ingest data for segment imports. The metadata is created for the job with the provided field mapping and unique key.

Request Syntax

```
POST /domains/DomainName/upload-jobs HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "DataExpiry": number,
  "DisplayName": "string",
  "Fields": {
    "string" : {
      "ContentType": "string",
      "Source": "string",
      "Target": "string"
    }
  },
  "UniqueKey": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain. Domain should be exists for the upload job to be created.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

DataExpiry

The expiry duration for the profiles ingested with the job. If not provided, the system default of 2 weeks is used.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1098.

Required: No

DisplayName

The unique name of the upload job. Could be a file name to identify the upload job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Fields

The mapping between CSV Columns and Profile Object attributes. A map of the name and ObjectType field.

Type: String to [ObjectTypeField](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: $^[a-zA-Z0-9_.-]+\$$

Required: Yes

UniqueKey

The unique key columns for de-duping the profiles used to map data to the profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "JobId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

JobId

The unique identifier for the created upload job.

Type: String

Pattern: [a-f0-9]{32}

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteCalculatedAttributeDefinition

Deletes an existing calculated attribute definition. Note that deleting a default calculated attribute is possible, however once deleted, you will be unable to undo that action and will need to recreate it on your own using the CreateCalculatedAttributeDefinition API if you want it back.

Request Syntax

```
DELETE /domains/DomainName/calculated-attributes/CalculatedAttributeName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

CalculatedAttributeName

The unique name of the calculated attribute.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteDomain

Deletes a specific domain and all of its customer data, such as customer profile attributes and their related objects.

Request Syntax

```
DELETE /domains/DomainName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Message": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Message

A message that indicates the delete request is done.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DeleteDomain.

Sample Request

```
DELETE /v1/domains/ExampleDomainName HTTP/1.1
```

Sample Response

```
Content-type: application/json
{
  "Message": "Domain Deleted"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteDomainLayout

Deletes the layout used to view data for a specific domain. This API can only be invoked from the Amazon Connect admin website.

Request Syntax

```
DELETE /domains/DomainName/layouts/LayoutDefinitionName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

LayoutDefinitionName

The unique name of the layout.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{  
  "Message": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Message

A message that indicates the delete request is done.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteDomainObjectType

Delete a DomainObjectType for the given Domain and ObjectType name.

Request Syntax

```
DELETE /domains/DomainName/domain-object-types/ObjectName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

ObjectName

The unique name of the domain object type.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteEventStream

Disables and deletes the specified event stream.

Request Syntax

```
DELETE /domains/DomainName/event-streams/EventStreamName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

EventStreamName

The name of the event stream

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteEventTrigger

Disable and deletes the Event Trigger.

Note

You cannot delete an Event Trigger with an active Integration associated.

Request Syntax

```
DELETE /domains/DomainName/event-triggers/EventTriggerName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

EventTriggerName

The unique name of the event trigger.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Message": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Message

A message that indicates the delete request is done.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteIntegration

Removes an integration from a specific domain.

Request Syntax

```
POST /domains/DomainName/integrations/delete HTTP/1.1
Content-type: application/json
```

```
{
  "Uri": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Uri

The URI of the S3 bucket or any other type of data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Message": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Message

A message that indicates the delete request is done.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DeleteIntegration.

Sample Request

```
POST /domains/{DomainName}/integrations/delete HTTP/1.1

{
  "Uri": "arn:aws:sqs:us-east-1:123456789012:URIOfIntegration1"
}
```

Sample Response

```
Content-type: application/json
{
  "Message": "Deleted"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteProfile

Deletes the standard customer profile and all data pertaining to the profile.

Request Syntax

```
POST /domains/DomainName/profiles/delete HTTP/1.1
Content-type: application/json
```

```
{
  "ProfileId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ProfileId

The unique identifier of a customer profile.

Type: String

Pattern: `[a-f0-9]{32}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Message": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Message

A message that indicates the delete request is done.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DeleteProfile.

Sample Request

```
POST /domains/ExampleDomainName/profiles/delete HTTP/1.1

Content-type: application/json
{
  "ProfileId": "3991a7d959d248bba82546b2dEXAMPLE"
}
```

Sample Response

```
Content-type: application/json
{
  "Message": "OK"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteProfileKey

Removes a searchable key from a customer profile.

Request Syntax

```
POST /domains/DomainName/profiles/keys/delete HTTP/1.1
Content-type: application/json
```

```
{
  "KeyName": "string",
  "ProfileId": "string",
  "Values": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

KeyName

A searchable identifier of a customer profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

ProfileId

The unique identifier of a customer profile.

Type: String

Pattern: `[a-f0-9]{32}`

Required: Yes

Values

A list of key values.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Message": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Message

A message that indicates the delete request is done.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DeleteProfileKey.

Sample Request

```
POST /domains/ExampleDomainName/profiles/keys/delete HTTP/1.1
```

```
Content-type: application/json
{
  "KeyName": "_phone",
  "ProfileId": "3991a7d959d248bba82546b2dEXAMPLE",
  "Values": [ "555-445-3344" ]
}
```

Sample Response

```
Content-type: application/json
{
  "Message": "OK"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteProfileObject

Removes an object associated with a profile of a given ProfileObjectType.

Request Syntax

```
POST /domains/DomainName/profiles/objects/delete HTTP/1.1
Content-type: application/json
```

```
{
  "ObjectName": "string",
  "ProfileId": "string",
  "ProfileObjectUniqueKey": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ObjectName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

[ProfileId](#)

The unique identifier of a customer profile.

Type: String

Pattern: `[a-f0-9]{32}`

Required: Yes

[ProfileObjectUniqueKey](#)

The unique identifier of the profile object generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
  "Message": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[Message](#)

A message that indicates the delete request is done.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DeleteProfileObject.

Sample Request

```
POST /domains/DomainName/profiles/objects/delete HTTP/1.1
```

```
Content-type: application/json
{
  "ObjectTypeName": "MyCustomObjectName",
  "ProfileId": "3991a7d959d248bba82546b2dEXAMPLE",
  "ProfileObjectUniqueKey": "UniqueKeyOfTheProfileObject"
}
```

Sample Response

```
Content-type: application/json
{
  "Message": "OK"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteProfileObjectType

Removes a ProfileObjectType from a specific domain as well as removes all the ProfileObjects of that type. It also disables integrations from this specific ProfileObjectType. In addition, it scrubs all of the fields of the standard profile that were populated from this ProfileObjectType.

Request Syntax

```
DELETE /domains/DomainName/object-types/ObjectTypeName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

ObjectTypeName

The name of the profile object type.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{  
  "Message": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Message

A message that indicates the delete request is done.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DeleteProfileObjectType.

Sample Request

```
DELETE /domains/ExampleDomainName/object-types/MyCustomObjectTypeName HTTP/1.1
```

Sample Response

```
Content-type: application/json
{
  "Message": "Deleted"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteRecommender

Deletes a recommender.

Request Syntax

```
DELETE /domains/DomainName/recommenders/RecommenderName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderName

The recommender name.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteRecommenderFilter

Deletes a recommender filter from a domain.

Request Syntax

```
DELETE /domains/DomainName/recommender-filters/RecommenderFilterName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderFilterName

The name of the recommender filter to delete.

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{  
  "Message": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Message

A message that indicates the delete request is done.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteRecommenderSchema

Deletes a recommender schema from a domain.

Request Syntax

```
DELETE /domains/DomainName/recommender-schemas/RecommenderSchemaName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderSchemaName

The name of the recommender schema to delete.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteSegmentDefinition

Deletes a segment definition from the domain.

Request Syntax

```
DELETE /domains/DomainName/segment-definitions/SegmentDefinitionName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

SegmentDefinitionName

The unique name of the segment definition.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{  
  "Message": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Message

A message that indicates the delete request is done.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteWorkflow

Deletes the specified workflow and all its corresponding resources. This is an async process.

Request Syntax

```
DELETE /domains/DomainName/workflows/WorkflowId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

WorkflowId

Unique identifier for the workflow.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DetectProfileObjectType

The process of detecting profile object type mapping by using given objects.

Request Syntax

```
POST /domains/DomainName/detect/object-types HTTP/1.1
Content-type: application/json

{
  "Objects": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Objects

A string that is serialized from a JSON object.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 256000.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "DetectedProfileObjectTypes": [
    {
      "Fields": {
        "string" : {
          "ContentType": "string",
          "Source": "string",
          "Target": "string"
        }
      },
      "Keys": {
        "string" : [
          {
            "FieldNames": [ "string" ],
            "StandardIdentifiers": [ "string" ]
          }
        ]
      },
      "SourceLastUpdatedTimestampFormat": "string"
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DetectedProfileObjectTypes

Detected ProfileObjectType mappings from given objects. A maximum of one mapping is supported.

Type: Array of [DetectedProfileObjectType](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetAutoMergingPreview

Tests the auto-merging settings of your Identity Resolution Job without merging your data. It randomly selects a sample of matching groups from the existing matching results, and applies the automerging settings that you provided. You can then view the number of profiles in the sample, the number of matches, and the number of profiles identified to be merged. This enables you to evaluate the accuracy of the attributes in your matching list.

You can't view which profiles are matched and would be merged.

Important

We strongly recommend you use this API to do a dry run of the automerging process before running the Identity Resolution Job. Include **at least** two matching attributes. If your matching list includes too few attributes (such as only `FirstName` or only `LastName`), there may be a large number of matches. This increases the chances of erroneous merges.

Request Syntax

```
POST /domains/DomainName/identity-resolution-jobs/auto-merging-preview HTTP/1.1
Content-type: application/json
```

```
{
  "ConflictResolution": {
    "ConflictResolvingModel": "string",
    "SourceName": "string"
  },
  "Consolidation": {
    "MatchingAttributesList": [
      [ "string" ]
    ]
  },
  "MinAllowedConfidenceScoreForMerging": number
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ConflictResolution

How the auto-merging process should resolve conflicts between different profiles.

Type: [ConflictResolution](#) object

Required: Yes

Consolidation

A list of matching attributes that represent matching criteria.

Type: [Consolidation](#) object

Required: Yes

MinAllowedConfidenceScoreForMerging

Minimum confidence score required for profiles within a matching group to be merged during the auto-merge process.

Type: Double

Valid Range: Minimum value of 0.0. Maximum value of 1.0.

Required: No

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "DomainName": "string",
  "NumberOfMatchesInSample": number,
  "NumberOfProfilesInSample": number,
  "NumberOfProfilesWillBeMerged": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

NumberOfMatchesInSample

The number of match groups in the domain that have been reviewed in this preview dry run.

Type: Long

NumberOfProfilesInSample

The number of profiles found in this preview dry run.

Type: Long

NumberOfProfilesWillBeMerged

The number of profiles that would be merged if this wasn't a preview dry run.

Type: Long

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetCalculatedAttributeDefinition

Provides more information on a calculated attribute definition for Customer Profiles.

Request Syntax

```
GET /domains/DomainName/calculated-attributes/CalculatedAttributeName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

CalculatedAttributeName

The unique name of the calculated attribute.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "AttributeDetails": {
```

```

    "Attributes": [
      {
        "Name": "string"
      }
    ],
    "Expression": "string"
  },
  "CalculatedAttributeName": "string",
  "Conditions": {
    "ObjectCount": number,
    "Range": {
      "TimestampFormat": "string",
      "TimestampSource": "string",
      "Unit": "string",
      "Value": number,
      "ValueRange": {
        "End": number,
        "Start": number
      }
    },
    "Threshold": {
      "Operator": "string",
      "Value": "string"
    }
  },
  "CreatedAt": number,
  "Description": "string",
  "DisplayName": "string",
  "Filter": {
    "Groups": [
      {
        "Dimensions": [
          {
            "Attributes": {
              "string": {
                "DimensionType": "string",
                "Values": [ "string" ]
              }
            }
          }
        ],
        "Type": "string"
      }
    ],
  },

```

```
    "Include": "string"
  },
  "LastUpdatedAt": number,
  "Readiness": {
    "Message": "string",
    "ProgressPercentage": number
  },
  "Statistic": "string",
  "Status": "string",
  "Tags": {
    "string" : "string"
  },
  "UseHistoricalData": boolean
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AttributeDetails

Mathematical expression and a list of attribute items specified in that expression.

Type: [AttributeDetails](#) object

CalculatedAttributeName

The unique name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Conditions

The conditions including range, object count, and threshold for the calculated attribute.

Type: [Conditions](#) object

CreatedAt

The timestamp of when the calculated attribute definition was created.

Type: Timestamp

Description

The description of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

DisplayName

The display name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

Filter

The filter assigned to this calculated attribute definition.

Type: [Filter](#) object

LastUpdatedAt

The timestamp of when the calculated attribute definition was most recently edited.

Type: Timestamp

Readiness

Information indicating if the Calculated Attribute is ready for use by confirming all historical data has been processed and reflected.

Type: [Readiness](#) object

Statistic

The aggregation operation to perform for the calculated attribute.

Type: String

Valid Values: FIRST_OCCURRENCE | LAST_OCCURRENCE | COUNT | SUM | MINIMUM | MAXIMUM | AVERAGE | MAX_OCCURRENCE

Status

Status of the Calculated Attribute creation (whether all historical data has been indexed).

Type: String

Valid Values: PREPARING | IN_PROGRESS | COMPLETED | FAILED

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]`

Value Length Constraints: Maximum length of 256.

UseHistoricalData

Whether historical data ingested before the Calculated Attribute was created should be included in calculations.

Type: Boolean

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetCalculatedAttributeForProfile

Retrieve a calculated attribute for a customer profile.

Request Syntax

```
GET /domains/DomainName/profile/ProfileId/calculated-attributes/CalculatedAttributeName
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

CalculatedAttributeName

The unique name of the calculated attribute.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

ProfileId

The unique identifier of a customer profile.

Pattern: `[a-f0-9]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CalculatedAttributeName": "string",
  "DisplayName": "string",
  "IsDataPartial": "string",
  "LastObjectTimestamp": number,
  "Value": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CalculatedAttributeName

The unique name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

DisplayName

The display name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

IsDataPartial

Indicates whether the calculated attribute's value is based on partial data. If data is partial, it is set to true.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

LastObjectTimestamp

The timestamp of the newest object included in the calculated attribute calculation.

Type: Timestamp

Value

The value of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetDomain

Returns information about a specific domain.

Request Syntax

```
GET /domains/DomainName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CreatedAt": number,
  "DataStore": {
    "Enabled": boolean,
    "Readiness": {
      "Message": "string",
      "ProgressPercentage": number
    }
  },
  "DeadLetterQueueUrl": "string",
  "DefaultEncryptionKey": "string",
```

```
"DefaultExpirationDays": number,
"DomainName": "string",
"LastUpdatedAt": number,
"Matching": {
  "AutoMerging": {
    "ConflictResolution": {
      "ConflictResolvingModel": "string",
      "SourceName": "string"
    },
    "Consolidation": {
      "MatchingAttributesList": [
        "string"
      ]
    },
    "Enabled": boolean,
    "MinAllowedConfidenceScoreForMerging": number
  },
  "Enabled": boolean,
  "ExportingConfig": {
    "S3Exporting": {
      "S3BucketName": "string",
      "S3KeyName": "string"
    }
  },
  "JobSchedule": {
    "DayOfTheWeek": "string",
    "Time": "string"
  }
},
"RuleBasedMatching": {
  "AttributeTypesSelector": {
    "Address": [ "string" ],
    "AttributeMatchingModel": "string",
    "EmailAddress": [ "string" ],
    "PhoneNumber": [ "string" ]
  },
  "ConflictResolution": {
    "ConflictResolvingModel": "string",
    "SourceName": "string"
  },
  "Enabled": boolean,
  "ExportingConfig": {
    "S3Exporting": {
      "S3BucketName": "string",
```

```
    "S3KeyName": "string"
  },
  "MatchingRules": [
    {
      "Rule": [ "string" ]
    }
  ],
  "MaxAllowedRuleLevelForMatching": number,
  "MaxAllowedRuleLevelForMerging": number,
  "Status": "string"
},
"Stats": {
  "MeteringProfileCount": number,
  "ObjectCount": number,
  "ProfileCount": number,
  "TotalSize": number
},
"Tags": {
  "string" : "string"
}
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the domain was created.

Type: Timestamp

DataStore

True if data store is enabled for this domain.

Type: [DataStoreResponse](#) object

DeadLetterQueueUrl

The URL of the SQS dead letter queue, which is used for reporting errors associated with ingesting data from third party applications.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

DefaultEncryptionKey

The default encryption key, which is an AWS managed key, is used when no specific type of encryption key is specified. It is used to encrypt all data before it is placed in permanent or semi-permanent storage.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

DefaultExpirationDays

The default number of days until the data within the domain expires.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1098.

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

LastUpdatedAt

The timestamp of when the domain was most recently edited.

Type: Timestamp

Matching

The process of matching duplicate profiles. If `Matching = true`, Amazon Connect Customer Profiles starts a weekly batch process called Identity Resolution Job. If you do not specify a date and time for Identity Resolution Job to run, by default it runs every Saturday at 12AM UTC to detect duplicate profiles in your domains.

After the Identity Resolution Job completes, use the [GetMatches](#) API to return and review the results. Or, if you have configured `ExportingConfig` in the `MatchingRequest`, you can download the results from S3.

Type: [MatchingResponse](#) object

[RuleBasedMatching](#)

The process of matching duplicate profiles using the Rule-Based matching. If `RuleBasedMatching = true`, Connect Customer Customer Profiles will start to match and merge your profiles according to your configuration in the `RuleBasedMatchingRequest`. You can use the `ListRuleBasedMatches` and `GetSimilarProfiles` API to return and review the results. Also, if you have configured `ExportingConfig` in the `RuleBasedMatchingRequest`, you can download the results from S3.

Type: [RuleBasedMatchingResponse](#) object

[Stats](#)

Usage-specific statistics about the domain.

Type: [DomainStats](#) object

[Tags](#)

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+ -=._:/]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetDomainLayout

Gets the layout to view data for a specific domain. This API can only be invoked from the Amazon Connect admin website.

Request Syntax

```
GET /domains/DomainName/layouts/LayoutDefinitionName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

LayoutDefinitionName

The unique name of the layout.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{
  "CreatedAt": number,
  "Description": "string",
  "DisplayName": "string",
  "IsDefault": boolean,
  "LastUpdatedAt": number,
  "Layout": "string",
  "LayoutDefinitionName": "string",
  "LayoutType": "string",
  "Tags": {
    "string" : "string"
  },
  "Version": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the layout was created.

Type: Timestamp

Description

The description of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

DisplayName

The display name of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

IsDefault

If set to true for a layout, this layout will be used by default to view data. If set to false, then the layout will not be used by default, but it can be used to view data by explicitly selecting it in the console.

Type: Boolean

LastUpdatedAt

The timestamp of when the layout was most recently updated.

Type: Timestamp

Layout

A customizable layout that can be used to view data under a Customer Profiles domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000000.

LayoutDefinitionName

The unique name of the layout.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

LayoutType

The type of layout that can be used to view data under a Customer Profiles domain.

Type: String

Valid Values: PROFILE_EXPLORER

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]`

Value Length Constraints: Maximum length of 256.

Version

The version used to create layout.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetDomainObjectType

Return a DomainObjectType for the input Domain and ObjectType names.

Request Syntax

```
GET /domains/DomainName/domain-object-types/ObjectName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

ObjectName

The unique name of the domain object type.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
  "CreatedAt": number,
  "Description": "string",
  "EncryptionKey": "string",
  "Fields": {
    "string" : {
      "ContentType": "string",
      "FeatureType": "string",
      "Source": "string",
      "Target": "string"
    }
  },
  "LastUpdatedAt": number,
  "ObjectTypeName": "string",
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the domain object type was created.

Type: Timestamp

Description

The description of the domain object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10000.

EncryptionKey

The customer provided KMS key used to encrypt this type of domain object.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Fields

A map of field names to their corresponding domain object type field definitions.

Type: String to [DomainObjectTypeField](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

LastUpdatedAt

The timestamp of when the domain object type was most recently edited.

Type: Timestamp

ObjectName

The unique name of the domain object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/*]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetEventStream

Returns information about the specified event stream in a specific domain.

Request Syntax

```
GET /domains/DomainName/event-streams/EventStreamName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

EventStreamName

The name of the event stream provided during create operations.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{
  "CreatedAt": number,
  "DestinationDetails": {
    "Message": "string",
    "Status": "string",
    "UnhealthySince": number,
    "Uri": "string"
  },
  "DomainName": "string",
  "EventStreamArn": "string",
  "State": "string",
  "StoppedSince": number,
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the export was created.

Type: Timestamp

DestinationDetails

Details regarding the Kinesis stream.

Type: [EventStreamDestinationDetails](#) object

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

EventStreamArn

A unique identifier for the event stream.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

State

The operational state of destination stream for export.

Type: String

Valid Values: RUNNING | STOPPED

StoppedSince

The timestamp when the State changed to STOPPED.

Type: Timestamp

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetEventTrigger

Get a specific Event Trigger from the domain.

Request Syntax

```
GET /domains/DomainName/event-triggers/EventTriggerName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

EventTriggerName

The unique name of the event trigger.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CreatedAt": number,
```



```

{
  "Description": "string",
  "EventTriggerConditions": [
    {
      "EventTriggerDimensions": [
        {
          "ObjectAttributes": [
            {
              "ComparisonOperator": "string",
              "FieldName": "string",
              "Source": "string",
              "Values": [ "string" ]
            }
          ]
        }
      ],
      "LogicalOperator": "string"
    }
  ],
  "EventTriggerLimits": {
    "EventExpiration": number,
    "Periods": [
      {
        "MaxInvocationsPerProfile": number,
        "Unit": "string",
        "Unlimited": boolean,
        "Value": number
      }
    ]
  },
  "EventTriggerName": "string",
  "LastUpdatedAt": number,
  "ObjectTypeName": "string",
  "SegmentFilter": "string",
  "Tags": {
    "string" : "string"
  }
}

```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the event trigger was created.

Type: Timestamp

Description

The description of the event trigger.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

EventTriggerConditions

A list of conditions that determine when an event should trigger the destination.

Type: Array of [EventTriggerCondition](#) objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

EventTriggerLimits

Defines limits controlling whether an event triggers the destination, based on ingestion latency and the number of invocations per profile over specific time periods.

Type: [EventTriggerLimits](#) object

EventTriggerName

The unique name of the event trigger.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

LastUpdatedAt

The timestamp of when the event trigger was most recently updated.

Type: Timestamp

ObjectTypeName

The unique name of the object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

SegmentFilter

The destination is triggered only for profiles that meet the criteria of a segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Tags

An array of key-value pairs to apply to this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetIdentityResolutionJob

Returns information about an Identity Resolution Job in a specific domain.

Identity Resolution Jobs are set up using the Amazon Connect admin console. For more information, see [Use Identity Resolution to consolidate similar profiles](#).

Request Syntax

```
GET /domains/DomainName/identity-resolution-jobs/JobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

JobId

The unique identifier of the Identity Resolution Job.

Pattern: `[a-f0-9]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{
  "AutoMerging": {
    "ConflictResolution": {
      "ConflictResolvingModel": "string",
      "SourceName": "string"
    },
    "Consolidation": {
      "MatchingAttributesList": [
        "string"
      ]
    },
    "Enabled": boolean,
    "MinAllowedConfidenceScoreForMerging": number
  },
  "DomainName": "string",
  "ExportingLocation": {
    "S3Exporting": {
      "S3BucketName": "string",
      "S3KeyName": "string"
    }
  },
  "JobEndTime": number,
  "JobExpirationTime": number,
  "JobId": "string",
  "JobStartTime": number,
  "JobStats": {
    "NumberOfMatchesFound": number,
    "NumberOfMergesDone": number,
    "NumberOfProfilesReviewed": number
  },
  "LastUpdatedAt": number,
  "Message": "string",
  "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AutoMerging

Configuration settings for how to perform the auto-merging of profiles.

Type: [AutoMerging](#) object

[DomainName](#)

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

[ExportingLocation](#)

The S3 location where the Identity Resolution Job writes result files.

Type: [ExportingLocation](#) object

[JobEndTime](#)

The timestamp of when the Identity Resolution Job was completed.

Type: Timestamp

[JobExpirationTime](#)

The timestamp of when the Identity Resolution Job will expire.

Type: Timestamp

[JobId](#)

The unique identifier of the Identity Resolution Job.

Type: String

Pattern: `[a-f0-9]{32}`

[JobStartTime](#)

The timestamp of when the Identity Resolution Job was started or will be started.

Type: Timestamp

[JobStats](#)

Statistics about the Identity Resolution Job.

Type: [JobStats](#) object

LastUpdatedAt

The timestamp of when the Identity Resolution Job was most recently edited.

Type: Timestamp

Message

The error messages that are generated when the Identity Resolution Job runs.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: .*

Status

The status of the Identity Resolution Job.

- **PENDING:** The Identity Resolution Job is scheduled but has not started yet. If you turn off the Identity Resolution feature in your domain, jobs in the PENDING state are deleted.
- **PREPROCESSING:** The Identity Resolution Job is loading your data.
- **FIND_MATCHING:** The Identity Resolution Job is using the machine learning model to identify profiles that belong to the same matching group.
- **MERGING:** The Identity Resolution Job is merging duplicate profiles.
- **COMPLETED:** The Identity Resolution Job completed successfully.
- **PARTIAL_SUCCESS:** There's a system error and not all of the data is merged. The Identity Resolution Job writes a message indicating the source of the problem.
- **FAILED:** The Identity Resolution Job did not merge any data. It writes a message indicating the source of the problem.

Type: String

Valid Values: PENDING | PREPROCESSING | FIND_MATCHING | MERGING | COMPLETED
| PARTIAL_SUCCESS | FAILED

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetIntegration

Returns an integration for a domain.

Request Syntax

```
POST /domains/DomainName/integrations HTTP/1.1
Content-type: application/json

{
  "Uri": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Uri

The URI of the S3 bucket or any other type of data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CreatedAt": number,
  "DomainName": "string",
  "EventTriggerNames": [ "string" ],
  "IsUnstructured": boolean,
  "LastUpdatedAt": number,
  "ObjectTypeName": "string",
  "ObjectTypeNames": {
    "string" : "string"
  },
  "RoleArn": "string",
  "Scope": "string",
  "Tags": {
    "string" : "string"
  },
  "Uri": "string",
  "WorkflowId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the domain was created.

Type: Timestamp

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

EventTriggerNames

A list of unique names for active event triggers associated with the integration. This list would be empty if no Event Trigger is associated with the integration.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

IsUnstructured

Boolean that shows if the Flow that's associated with the Integration is created in Amazon Appflow, or with ObjectTypeName equals `_unstructured` via API/CLI in flowDefinition.

Type: Boolean

LastUpdatedAt

The timestamp of when the domain was most recently edited.

Type: Timestamp

ObjectTypeName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

ObjectTypeNames

A map in which each key is an event type from an external application such as Segment or Shopify, and each value is an ObjectTypeName (template) used to ingest the event. It supports the following event types: SegmentIdentify, ShopifyCreateCustomers, ShopifyUpdateCustomers, ShopifyCreateDraftOrders, ShopifyUpdateDraftOrders, ShopifyCreateOrders, and ShopifyUpdatedOrders.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Value Length Constraints: Minimum length of 1. Maximum length of 255.

Value Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

RoleArn

The Amazon Resource Name (ARN) of the IAM role. The Integration uses this role to make Customer Profiles requests on your behalf.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:iam:.*:[0-9]+:.*`

Scope

Specifies whether the integration applies to profile level data (associated with profiles) or domain level data (not associated with any specific profile). The default value is PROFILE.

Type: String

Valid Values: PROFILE | DOMAIN

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Uri

The URI of the S3 bucket or any other type of data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

WorkflowId

Unique identifier for the workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of GetIntegration.

Sample Request

```
POST /domains/ExampleDomainName/integrations HTTP/1.1
{
  "Uri": "arn:aws:flow:us-east-1:123456789012:URIOfIntegration1"
}
```

Sample Response

```
Content-type: application/json
{
  "CreatedAt": 1479249799770,
  "DomainName": "ExampleDomainName",
  "LastUpdatedAt": 1479249799770,
  "ObjectTypeName": "MyCustomObject",
  "Uri": "arn:aws:flow:us-east-1:123456789012:URIOfIntegration1"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetMatches

Before calling this API, use [CreateDomain](#) or [UpdateDomain](#) to enable identity resolution: set `Matching` to `true`.

`GetMatches` returns potentially matching profiles, based on the results of the latest run of a machine learning process.

Important

The process of matching duplicate profiles. If `Matching = true`, Amazon Connect Customer Profiles starts a weekly batch process called Identity Resolution Job. If you do not specify a date and time for Identity Resolution Job to run, by default it runs every Saturday at 12AM UTC to detect duplicate profiles in your domains.

After the Identity Resolution Job completes, use the [GetMatches](#) API to return and review the results. Or, if you have configured `ExportingConfig` in the `MatchingRequest`, you can download the results from S3.

Amazon Connect uses the following profile attributes to identify matches:

- `PhoneNumber`
- `HomePhoneNumber`
- `BusinessPhoneNumber`
- `MobilePhoneNumber`
- `EmailAddress`
- `PersonalEmailAddress`
- `BusinessEmailAddress`
- `FullName`

For example, two or more profiles—with spelling mistakes such as **John Doe** and **Jhn Doe**, or different casing email addresses such as **JOHN_DOE@ANYCOMPANY.COM** and **johndoe@anycompany.com**, or different phone number formats such as **555-010-0000** and **+1-555-010-0000**—can be detected as belonging to the same customer **John Doe** and merged into a unified profile.

Request Syntax

```
GET /domains/DomainName/matches?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
"Matches": [
  {
    "ConfidenceScore": number,
    "MatchId": "string",
    "ProfileIds": [ "string" ]
  }
],
"MatchGenerationDate": number,
"NextToken": "string",
"PotentialMatches": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Matches

The list of matched profiles for this instance.

Type: Array of [MatchItem](#) objects

MatchGenerationDate

The timestamp this version of Match Result generated.

Type: Timestamp

NextToken

If there are additional results, this is the token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

PotentialMatches

The number of potential matches found.

Type: Integer

Valid Range: Minimum value of 0.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetObjectTypeAttributeStatistics

The GetObjectTypeAttributeValues API delivers statistical insights about attributes within a specific object type, but is exclusively available for domains with data store enabled. This API performs daily calculations to provide statistical information about your attribute values, helping you understand patterns and trends in your data. The statistical calculations are performed once per day, providing a consistent snapshot of your attribute data characteristics.

Note

You'll receive null values in two scenarios:

During the first period after enabling data vault (unless a calculation cycle occurs, which happens once daily).

For attributes that don't contain numeric values.

Request Syntax

```
POST /domains/DomainName/object-types/ObjectName/attributes/AttributeName/
statistics HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AttributeName

The attribute name.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

ObjectTypeName

The unique name of the domain object type.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CalculatedAt": number,
  "Statistics": {
    "Average": number,
    "Maximum": number,
    "Minimum": number,
    "Percentiles": {
      "P25": number,
      "P5": number,
      "P50": number,
      "P75": number,
      "P95": number
    },
    "StandardDeviation": number
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CalculatedAt

Time when this statistics was calculated.

Type: Timestamp

Statistics

The statistics.

Type: [GetObjectAttributeStatisticsStats](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetProfileHistoryRecord

Returns a history record for a specific profile, for a specific domain.

Request Syntax

```
GET /domains/DomainName/profiles/ProfileId/history-records/Id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain for which to return a profile history record.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Id

The unique identifier of the profile history record to return.

Pattern: `[a-f0-9]{32}`

Required: Yes

ProfileId

The unique identifier of the profile for which to return a history record.

Pattern: `[a-f0-9]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "ActionType": "string",
  "Content": "string",
  "CreatedAt": number,
  "Id": "string",
  "LastUpdatedAt": number,
  "ObjectTypeName": "string",
  "PerformedBy": "string",
  "ProfileObjectUniqueKey": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ActionType

The action type of the profile history record.

Type: String

Valid Values: ADDED_PROFILE_KEY | DELETED_PROFILE_KEY | CREATED | UPDATED |
INGESTED | DELETED_BY_CUSTOMER | EXPIRED | MERGED | DELETED_BY_MERGE

Content

A string containing the customer profile, profile object, or profile key content.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256000.

CreatedAt

The timestamp of when the profile history record was created.

Type: Timestamp

Id

The unique identifier of the profile history record.

Type: String

Pattern: [a-f0-9]{32}

LastUpdatedAt

The timestamp of when the profile history record was last updated.

Type: Timestamp

ObjectTypeName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: ^[a-zA-Z_][a-zA-Z_0-9-]*\$

PerformedBy

The Amazon Resource Name (ARN) of the person or service principal who performed the action.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

ProfileObjectUniqueKey

The unique identifier of the profile object generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetProfileObjectType

Returns the object types for a specific domain.

Request Syntax

```
GET /domains/DomainName/object-types/ObjectTypeName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

ObjectTypeName

The name of the profile object type.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```



```
{
  "AllowProfileCreation": boolean,
  "CreatedAt": number,
  "Description": "string",
  "EncryptionKey": "string",
  "ExpirationDays": number,
  "Fields": {
    "string" : {
      "ContentType": "string",
      "Source": "string",
      "Target": "string"
    }
  },
  "Keys": {
    "string" : [
      {
        "FieldNames": [ "string " ],
        "StandardIdentifiers": [ "string " ]
      }
    ]
  },
  "LastUpdatedAt": number,
  "MaxAvailableProfileObjectCount": number,
  "MaxProfileObjectCount": number,
  "ObjectTypeName": "string",
  "SourceLastUpdatedTimestampFormat": "string",
  "SourcePriority": number,
  "Tags": {
    "string" : "string"
  },
  "TemplateId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AllowProfileCreation

Indicates whether a profile should be created when data is received if one doesn't exist for an object of this type. The default is FALSE. If the AllowProfileCreation flag is set to FALSE, then

the service tries to fetch a standard profile and associate this object with the profile. If it is set to TRUE, and if no match is found, then the service creates a new standard profile.

Type: Boolean

CreatedAt

The timestamp of when the domain was created.

Type: Timestamp

Description

The description of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

EncryptionKey

The customer-provided key to encrypt the profile object that will be created in this profile object type.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

ExpirationDays

The number of days until the data in the object expires.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1098.

Fields

A map of the name and ObjectType field.

Type: String to [ObjectTypeField](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

Keys

A list of unique keys that can be used to map data to the profile.

Type: String to array of [ObjectTypeKey](#) objects map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_-]+$`

LastUpdatedAt

The timestamp of when the domain was most recently edited.

Type: Timestamp

MaxAvailableProfileObjectCount

The amount of provisioned profile object max count available.

Type: Integer

Valid Range: Minimum value of 0.

MaxProfileObjectCount

The amount of profile object max count assigned to the object type.

Type: Integer

Valid Range: Minimum value of 1.

ObjectTypeName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

SourceLastUpdatedTimestampFormat

The format of your sourceLastUpdatedTimestamp that was previously set up.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

SourcePriority

An integer that determines the priority of this object type when data from multiple sources is ingested. Lower values take priority. Object types without a specified source priority default to the lowest priority.

Type: Integer

Valid Range: Minimum value of 1.

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

TemplateId

A unique identifier for the object template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of `GetProfileObjectType`.

Sample Request

```
GET /domains/ExampleDomainName/object-types/MyCustomObject HTTP/1.1
```

Sample Response

```
Content-type: application/jsonContent-type: application/json
{
  "CreatedAt": 1479249799770,
  "Description": "Internal ERP System",
  "EncryptionKey": "arn:aws:kms:us-east-1:123456789012:key/1988472d-6b77-4bb6-ae39-efce5EXAMPLE",
  "AllowProfileCreation": "FALSE",
  "ExpirationDays": 100,
```

```
"Fields": {
  "email" : {
    "ContentType": "EMAIL_ADDRESS",
    "Source": "_source.email",
    "Target": "_profile.BusinessEmailAddress"
  },
  "phone" : {
    "ContentType": "PHONE_NUMBER",
    "Source": "_source.phone",
    "Target": "_profile.BusinessPhoneNumber"
  },
  "loyaltyPoints" : {
    "ContentType": "NUMBER",
    "Source": "_source.loyaltypoints",
    "Target": "_profile.Attributes.loyaltypoints"
  }
},
"Keys": {
  "email" : [
    {
      "FieldNames": [ "email" ],
      "StandardIdentifiers": [ "PROFILE", "UNIQUE" ]
    }
  ],
  "loyaltypoints" : [
    {
      "FieldNames": [ "loyaltyPoints" ],
      "StandardIdentifiers": [ "PROFILE" ]
    }
  ]
},
"LastUpdatedAt": 1479249799770,
"ObjectTypeName": "CustomProfileObjectTypeName",
"SourcePriority": 2,
"TemplateId": "MyTemplateId"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetProfileObjectTypeTemplate

Returns the template information for a specific object type.

A template is a predefined ProfileObjectType, such as "Salesforce-Account" or "Salesforce-Contact." When a user sends a ProfileObject, using the PutProfileObject API, with an ObjectTypeName that matches one of the TemplateIds, it uses the mappings from the template.

Request Syntax

```
GET /templates/TemplateId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

TemplateId

A unique identifier for the object template.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "AllowProfileCreation": boolean,
  "Fields": {
    "string" : {
      "ContentType": "string",
      "Source": "string",
```



```
    "Target": "string"
  },
  "Keys": {
    "string" : [
      {
        "FieldNames": [ "string" ],
        "StandardIdentifiers": [ "string" ]
      }
    ]
  },
  "SourceLastUpdatedTimestampFormat": "string",
  "SourceName": "string",
  "SourceObject": "string",
  "TemplateId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AllowProfileCreation

Indicates whether a profile should be created when data is received if one doesn't exist for an object of this type. The default is FALSE. If the AllowProfileCreation flag is set to FALSE, then the service tries to fetch a standard profile and associate this object with the profile. If it is set to TRUE, and if no match is found, then the service creates a new standard profile.

Type: Boolean

Fields

A map of the name and ObjectType field.

Type: String to [ObjectTypeField](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

Keys

A list of unique keys that can be used to map data to the profile.

Type: String to array of [ObjectTypeKey](#) objects map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_-]+$`

[SourceLastUpdatedTimestampFormat](#)

The format of your sourceLastUpdatedTimestamp that was previously set up.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

[SourceName](#)

The name of the source of the object template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

[SourceObject](#)

The source of the object template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

[TemplateId](#)

A unique identifier for the object template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of `GetProfileObjectTypeTemplate`.

Sample Request

```
GET /templates/{TemplateId} HTTP/1.1
```

Sample Response

```
Content-type: application/json
```

```
{
  "AllowProfileCreation": "FALSE",
  "Fields": {
    "email" : {
      "ContentType": "EMAIL_ADDRESS",
      "Source": "_source.email",
      "Target": "_profile.BusinessEmailAddress"
    },
    "phone" : {
      "ContentType": "PHONE_NUMBER",
      "Source": "_source.phone",
      "Target": "_profile.Businessphonenumber"
    }
  },
  "Keys": {
    "_email" : [
      {
        "FieldNames": [ "email" ],
        "StandardIdentifiers": [ "PROFILE", "UNIQUE" ]
      }
    ]
  },
  "SourceName": "Salesforce-Account",
  "SourceObject": "Account",
  "TemplateId": "Salesforce-Account"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetProfileRecommendations

Fetches the recommendations for a profile in the input Customer Profiles domain. Fetches all the profile recommendations

Request Syntax

POST /domains/*DomainName*/profiles/*ProfileId*/recommendations HTTP/1.1

Content-type: application/json

```
{
  "CandidateIds": [ "string" ],
  "Context": {
    "string" : "string"
  },
  "MaxResults": number,
  "MetadataConfig": {
    "MetadataColumns": [ "string" ]
  },
  "RecommenderFilters": [
    {
      "Name": "string",
      "Values": {
        "string" : "string"
      }
    }
  ],
  "RecommenderName": "string",
  "RecommenderPromotionalFilters": [
    {
      "Name": "string",
      "PercentPromotedItems": number,
      "PromotionName": "string",
      "Values": {
        "string" : "string"
      }
    }
  ]
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

ProfileId

The unique identifier of the profile for which to retrieve recommendations.

Pattern: `[a-f0-9]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

CandidateIds

A list of item IDs to rank for the user. Use this when you want to re-rank a specific set of items rather than getting recommendations from the full item catalog. Required for personalized-ranking use cases.

Type: Array of strings

Array Members: Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Context

The contextual metadata used to provide dynamic runtime information to tailor recommendations.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

Value Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

MaxResults

The maximum number of recommendations to return. The default value is 10.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 500.

Required: No

MetadataConfig

Configuration for including item metadata in the recommendation response. Use this to specify which metadata columns to return alongside recommended items.

Type: [MetadataConfig](#) object

Required: No

RecommenderFilters

A list of filters to apply to the returned recommendations. Filters define criteria for including or excluding items from the recommendation results.

Type: Array of [RecommenderFilter](#) objects

Array Members: Maximum number of 1 item.

Required: No

RecommenderName

The unique name of the recommender.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderPromotionalFilters

A list of promotional filters to apply to the recommendations. Promotional filters allow you to promote specific items within a configurable subset of recommendation results.

Type: Array of [RecommenderPromotionalFilter](#) objects

Array Members: Maximum number of 1 item.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Recommendations": [
    {
      "CatalogItem": {
        "AdditionalInformation": "string",
        "Attributes": {
          "string": "string"
        },
        "Category": "string",
        "Code": "string",
        "CreatedAt": number,
        "Description": "string",
        "Id": "string",
        "ImageLink": "string",
        "Link": "string",
        "Name": "string",
        "Price": "string",
        "Type": "string",
        "UpdatedAt": number
      },
      "Score": number
    }
  ]
}
```

```
}  
]  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Recommendations

List of recommendations generated by the recommender.

Type: Array of [Recommendation](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetRecommender

Retrieves a recommender.

Request Syntax

```
GET /domains/DomainName/recommenders/RecommenderName?training-metrics-count=TrainingMetricsCount HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderName

The name of the recommender.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

TrainingMetricsCount

The number of training metrics to retrieve for the recommender.

Valid Range: Minimum value of 0. Maximum value of 5.

Request Body

The request does not have a request body.

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "CreatedAt": number,
  "Description": "string",
  "FailureReason": "string",
  "LastUpdatedAt": number,
  "LatestRecommenderUpdate": {
    "CreatedAt": number,
    "FailureReason": "string",
    "LastUpdatedAt": number,
    "RecommenderConfig": {
      "EventsConfig": {
        "EventParametersList": [
          {
            "EventType": "string",
            "EventValueThreshold": number,
            "EventWeight": number
          }
        ]
      },
      "IncludedColumns": {
        "string" : [ "string" ]
      },
      "InferenceConfig": {
        "MinProvisionedTPS": number
      },
      "TrainingFrequency": number
    },
    "Status": "string"
  },
  "RecommenderConfig": {
    "EventsConfig": {
      "EventParametersList": [
        {
          "EventType": "string",
          "EventValueThreshold": number,
          "EventWeight": number
        }
      ]
    }
  }
}
```

```
    },
    "IncludedColumns": {
      "string" : [ "string" ]
    },
    "InferenceConfig": {
      "MinProvisionedTPS": number
    },
    "TrainingFrequency": number
  },
  "RecommenderName": "string",
  "RecommenderRecipeName": "string",
  "RecommenderSchemaName": "string",
  "Status": "string",
  "Tags": {
    "string" : "string"
  },
  "TrainingMetrics": [
    {
      "Metrics": {
        "string" : number
      },
      "Time": number
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the recommender was created.

Type: Timestamp

Description

A detailed description of the recommender providing information about its purpose and functionality.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

FailureReason

If the recommender fails, provides the reason for the failure.

Type: String

LastUpdatedAt

The timestamp of when the recommender was edited.

Type: Timestamp

LatestRecommenderUpdate

Information about the most recent update performed on the recommender, including status and timestamp.

Type: [RecommenderUpdate](#) object

RecommenderConfig

The configuration settings for the recommender, including parameters and settings that define its behavior.

Type: [RecommenderConfig](#) object

RecommenderName

The name of the recommender.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

RecommenderRecipeName

The name of the recipe used by the recommender to generate recommendations.

Type: String

Valid Values: recommended-for-you | similar-items | frequently-paired-items
| popular-items | trending-now | personalized-ranking

RecommenderSchemaName

The name of the recommender schema associated with this recommender.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Status

The current status of the recommender, indicating whether it is active, creating, updating, or in another state.

Type: String

Valid Values: PENDING | IN_PROGRESS | ACTIVE | FAILED | STOPPING | INACTIVE
| STARTING | DELETING

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

TrainingMetrics

A set of metrics that provide information about the recommender's training performance and accuracy.

Type: Array of [TrainingMetrics](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetRecommenderFilter

Retrieves information about a specific recommender filter in a domain.

Request Syntax

```
GET /domains/DomainName/recommender-filters/RecommenderFilterName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderFilterName

The name of the recommender filter to retrieve.

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z0-9_-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
  "CreatedAt": number,
  "Description": "string",
  "FailureReason": "string",
  "RecommenderFilterExpression": "string",
  "RecommenderFilterName": "string",
  "RecommenderSchemaName": "string",
  "Status": "string",
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the recommender filter was created.

Type: Timestamp

Description

The description of the recommender filter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

FailureReason

If the recommender filter failed, provides the reason for the failure.

Type: String

RecommenderFilterExpression

The filter expression that defines which items to include or exclude from recommendations.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2500.

RecommenderFilterName

The name of the recommender filter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z0-9_-]+`

RecommenderSchemaName

The name of the recommender schema associated with this recommender filter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Status

The status of the recommender filter.

Type: String

Valid Values: ACTIVE | PENDING | IN_PROGRESS | FAILED | DELETING

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetRecommenderSchema

Retrieves information about a specific recommender schema in a domain.

Request Syntax

```
GET /domains/DomainName/recommender-schemas/RecommenderSchemaName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderSchemaName

The name of the recommender schema to retrieve.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```


Content-type: application/json

```
{
  "CreatedAt": number,
  "Fields": {
    "string" : [
      {
        "ContentType": "string",
        "FeatureType": "string",
        "TargetFieldName": "string"
      }
    ]
  },
  "RecommenderSchemaName": "string",
  "Status": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the recommender schema was created.

Type: Timestamp

Fields

A map of dataset type to column definitions included in the schema.

Type: String to array of [RecommenderSchemaField](#) objects map

Map Entries: Maximum number of 1 item.

Array Members: Minimum number of 1 item. Maximum number of 9 items.

RecommenderSchemaName

The name of the recommender schema.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Status

The status of the recommender schema.

Type: String

Valid Values: ACTIVE | DELETING

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
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- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetSegmentDefinition

Gets a segment definition from the domain.

Request Syntax

```
GET /domains/DomainName/segment-definitions/SegmentDefinitionName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

SegmentDefinitionName

The unique name of the segment definition.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CreatedAt": number,
```

```

"Description": "string",
"DisplayName": "string",
"SegmentDefinitionArn": "string",
"SegmentDefinitionName": "string",
"SegmentGroups": {
  "Groups": [
    {
      "Dimensions": [
        { ... }
      ],
      "SourceSegments": [
        {
          "SegmentDefinitionName": "string"
        }
      ],
      "SourceType": "string",
      "Type": "string"
    }
  ],
  "Include": "string"
},
"SegmentSort": {
  "Attributes": [
    {
      "DataType": "string",
      "Name": "string",
      "Order": "string",
      "Type": "string"
    }
  ]
},
"SegmentSqlQuery": "string",
"SegmentType": "string",
"Tags": {
  "string" : "string"
}
}

```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the segment definition was created.

Type: Timestamp

Description

The description of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4000.

DisplayName

The display name of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

SegmentDefinitionArn

The arn of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

SegmentDefinitionName

The name of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

SegmentGroups

The segment criteria associated with this definition.

Type: [SegmentGroup](#) object

SegmentSort

The segment sort.

Type: [SegmentSort](#) object

[SegmentSqlQuery](#)

The segment SQL query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50000.

[SegmentType](#)

The segment type.

Classic : Segments created using traditional SegmentGroup structure

Enhanced : Segments created using SQL queries

Type: String

Valid Values: CLASSIC | ENHANCED

[Tags](#)

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetSegmentEstimate

Gets the result of a segment estimate query.

Request Syntax

```
GET /domains/DomainName/segment-estimates/EstimateId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

EstimateId

The query Id passed by a previous CreateSegmentEstimate operation.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 StatusCode
Content-type: application/json

{
  "DomainName": "string",
```

```
"Estimate": "string",  
"EstimateId": "string",  
"Message": "string",  
"Status": "string"  
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

[StatusCode](#)

The status code of the segment estimate.

The following data is returned in JSON format by the service.

[DomainName](#)

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

[Estimate](#)

The estimated number of profiles contained in the segment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

[EstimateId](#)

The QueryId which is the same as the value passed in QueryId.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

[Message](#)

The error message if there is any error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Status

The current status of the query.

Type: String

Valid Values: RUNNING | SUCCEEDED | FAILED

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetSegmentMembership

Determines if the given profiles are within a segment.

Request Syntax

```
POST /domains/DomainName/segments/SegmentDefinitionName/membership HTTP/1.1
Content-type: application/json
```

```
{
  "ProfileIds": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

SegmentDefinitionName

The Id of the wanted segment. Needs to be a valid, and existing segment Id.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ProfileIds

The list of profile IDs to query for.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Pattern: [a-f0-9]{32}

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Failures": [
    {
      "Message": "string",
      "ProfileId": "string",
      "Status": number
    }
  ],
  "LastComputedAt": number,
  "Profiles": [
    {
      "Profile": {
        "AccountNumber": "string",
        "AdditionalInformation": "string",
        "Address": {
          "Address1": "string",
          "Address2": "string",
          "Address3": "string",
          "Address4": "string",
          "City": "string",
          "Country": "string",
          "County": "string",
          "PostalCode": "string",
          "Province": "string",
          "State": "string"
        }
      }
    }
  ]
}
```

```
"Attributes": {
  "string" : "string"
},
"BillingAddress": {
  "Address1": "string",
  "Address2": "string",
  "Address3": "string",
  "Address4": "string",
  "City": "string",
  "Country": "string",
  "County": "string",
  "PostalCode": "string",
  "Province": "string",
  "State": "string"
},
"BirthDate": "string",
"BusinessEmailAddress": "string",
"BusinessName": "string",
"BusinessPhoneNumber": "string",
"EmailAddress": "string",
"EngagementPreferences": {
  "Email": [
    {
      "ContactType": "string",
      "KeyName": "string",
      "KeyValue": "string",
      "ProfileId": "string"
    }
  ],
  "Phone": [
    {
      "ContactType": "string",
      "KeyName": "string",
      "KeyValue": "string",
      "ProfileId": "string"
    }
  ]
},
"FirstName": "string",
"FoundByItems": [
  {
    "KeyName": "string",
    "Values": [ "string" ]
  }
]
```

```
],
  "Gender": "string",
  "GenderString": "string",
  "HomePhoneNumber": "string",
  "LastName": "string",
  "MailingAddress": {
    "Address1": "string",
    "Address2": "string",
    "Address3": "string",
    "Address4": "string",
    "City": "string",
    "Country": "string",
    "County": "string",
    "PostalCode": "string",
    "Province": "string",
    "State": "string"
  },
  "MiddleName": "string",
  "MobilePhoneNumber": "string",
  "PartyType": "string",
  "PartyTypeString": "string",
  "PersonalEmailAddress": "string",
  "PhoneNumber": "string",
  "ProfileId": "string",
  "ProfileType": "string",
  "ShippingAddress": {
    "Address1": "string",
    "Address2": "string",
    "Address3": "string",
    "Address4": "string",
    "City": "string",
    "Country": "string",
    "County": "string",
    "PostalCode": "string",
    "Province": "string",
    "State": "string"
  }
},
  "ProfileId": "string",
  "QueryResult": "string"
}
],
"SegmentDefinitionName": "string"
```



```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Failures

An array of maps where each contains a response per profile failed for the request.

Type: Array of [ProfileQueryFailures](#) objects

LastComputedAt

The timestamp indicating when the segment membership was last computed or updated.

Type: Timestamp

Profiles

An array of maps where each contains a response per profile requested.

Type: Array of [ProfileQueryResult](#) objects

SegmentDefinitionName

The unique name of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetSegmentSnapshot

Retrieve the latest status of a segment snapshot.

Request Syntax

```
GET /domains/DomainName/segments/SegmentDefinitionName/snapshots/SnapshotId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique identifier of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

SegmentDefinitionName

The unique name of the segment definition.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

SnapshotId

The unique identifier of the segment snapshot.

Pattern: `[a-f0-9]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "DataFormat": "string",
  "DestinationUri": "string",
  "EncryptionKey": "string",
  "RoleArn": "string",
  "SnapshotId": "string",
  "Status": "string",
  "StatusMessage": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DataFormat

The format in which the segment will be exported.

Type: String

Valid Values: CSV | JSONL | ORC

DestinationUri

The destination to which the segment will be exported. This field must be provided if the request is not submitted from the Connect Customer Admin Website.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

EncryptionKey

The Amazon Resource Name (ARN) of the KMS key used to encrypt the exported segment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

RoleArn

The Amazon Resource Name (ARN) of the IAM role that allows Customer Profiles service principal to assume the role for conducting KMS and S3 operations.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:iam:.*:[0-9]+:.*`

SnapshotId

The unique identifier of the segment snapshot.

Type: String

Pattern: `[a-f0-9]{32}`

Status

The status of the asynchronous job for exporting the segment snapshot.

Type: String

Valid Values: COMPLETED | IN_PROGRESS | FAILED

StatusMessage

The status message of the asynchronous job for exporting the segment snapshot.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
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- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetSimilarProfiles

Returns a set of profiles that belong to the same matching group using the `matchId` or `profileId`. You can also specify the type of matching that you want for finding similar profiles using either `RULE_BASED_MATCHING` or `ML_BASED_MATCHING`.

Request Syntax

```
POST /domains/DomainName/matches?max-results=MaxResults&next-token=NextToken HTTP/1.1
Content-type: application/json
```

```
{
  "MatchType": "string",
  "SearchKey": "string",
  "SearchValue": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of objects returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous `GetSimilarProfiles` API call.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request accepts the following data in JSON format.

MatchType

Specify the type of matching to get similar profiles for.

Type: String

Valid Values: RULE_BASED_MATCHING | ML_BASED_MATCHING

Required: Yes

SearchKey

The string indicating the search key to be used.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

SearchValue

The string based on SearchKey to be searched for similar profiles.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "ConfidenceScore": number,
  "MatchId": "string",
  "MatchType": "string",
```

```
"NextToken": "string",  
"ProfileIds": [ "string" ],  
"RuleLevel": number  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConfidenceScore

It only has value when the MatchType is ML_BASED_MATCHING. A number between 0 and 1, where a higher score means higher similarity. Examining match confidence scores lets you distinguish between groups of similar records in which the system is highly confident (which you may decide to merge), groups of similar records about which the system is uncertain (which you may decide to have reviewed by a human), and groups of similar records that the system deems to be unlikely (which you may decide to reject). Given confidence scores vary as per the data input, it should not be used as an absolute measure of matching quality.

Type: Double

MatchId

The string matchId that the similar profiles belong to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

MatchType

Specify the type of matching to get similar profiles for.

Type: String

Valid Values: RULE_BASED_MATCHING | ML_BASED_MATCHING

NextToken

The pagination token from the previous GetSimilarProfiles API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

ProfileIds

Set of profileIds that belong to the same matching group.

Type: Array of strings

Pattern: [a-f0-9]{32}

RuleLevel

The integer rule level that the profiles matched on.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 15.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
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- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetUploadJob

This API retrieves the details of a specific upload job.

Request Syntax

```
GET /domains/DomainName/upload-jobs/JobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain containing the upload job.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

JobId

The unique identifier of the upload job to retrieve.

Pattern: `[a-f0-9]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CompletedAt": number,
```

```
{
  "CreatedAt": number,
  "DataExpiry": number,
  "DisplayName": "string",
  "Fields": {
    "string" : {
      "ContentType": "string",
      "Source": "string",
      "Target": "string"
    }
  },
  "JobId": "string",
  "ResultsSummary": {
    "CreatedRecords": number,
    "FailedRecords": number,
    "UpdatedRecords": number
  },
  "Status": "string",
  "StatusReason": "string",
  "UniqueKey": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CompletedAt

The timestamp when the upload job was completed.

Type: Timestamp

CreatedAt

The timestamp when the upload job was created.

Type: Timestamp

DataExpiry

The expiry duration for the profiles ingested with the upload job.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1098.

DisplayName

The unique name of the upload job. Could be a file name to identify the upload job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Fields

The mapping between CSV Columns and Profile Object attributes for the upload job.

Type: String to [ObjectTypeField](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

JobId

The unique identifier of the upload job.

Type: String

Pattern: `[a-f0-9]{32}`

ResultsSummary

The summary of results for the upload job, including the number of updated, created, and failed records.

Type: [ResultsSummary](#) object

Status

The status describing the status for the upload job. The following are Valid Values:

- **CREATED:** The upload job has been created, but has not started processing yet.
- **IN_PROGRESS:** The upload job is currently in progress, ingesting and processing the profile data.
- **PARTIALLY_SUCCEEDED:** The upload job has successfully completed the ingestion and processing of all profile data.
- **SUCCEEDED:** The upload job has successfully completed the ingestion and processing of all profile data.

- **FAILED:** The upload job has failed to complete.
- **STOPPED:** The upload job has been manually stopped or terminated before completion.

Type: String

Valid Values: CREATED | IN_PROGRESS | PARTIALLY_SUCCEEDED | SUCCEEDED | FAILED | STOPPED

StatusReason

The reason for the current status of the upload job. Possible reasons:

- **VALIDATION_FAILURE:** The upload job has encountered an error or issue and was unable to complete the profile data ingestion.
- **INTERNAL_FAILURE:** Failure caused from service side

Type: String

Valid Values: VALIDATION_FAILURE | INTERNAL_FAILURE

UniqueKey

The unique key columns used for de-duping the keys in the upload job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetUploadJobPath

This API retrieves the pre-signed URL and client token for uploading the file associated with the upload job.

Request Syntax

```
GET /domains/DomainName/upload-jobs/JobId/path HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain containing the upload job.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

JobId

The unique identifier of the upload job to retrieve the upload path for. This is generated from the CreateUploadJob API.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{  
  "ClientToken": "string",  
  "Url": "string",  
  "ValidUntil": number  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ClientToken

The plaintext data key used to encrypt the upload file.

To persist to the pre-signed url, use the client token and MD5 client token as header. The required headers are as follows:

- x-amz-server-side-encryption-customer-key: Client Token
- x-amz-server-side-encryption-customer-key-MD5: MD5 Client Token
- x-amz-server-side-encryption-customer-algorithm: AES256

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Url

The pre-signed S3 URL for uploading the CSV file associated with the upload job.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: .*

ValidUntil

The expiry timestamp for the pre-signed URL, after which the URL will no longer be valid.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
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- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetWorkflow

Get details of specified workflow.

Request Syntax

```
GET /domains/DomainName/workflows/WorkflowId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

WorkflowId

Unique identifier for the workflow.

Pattern: `[a-f0-9]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Attributes": {
```

```
  "AppflowIntegration": {
    "ConnectorProfileName": "string",
    "RoleArn": "string",
    "SourceConnectorType": "string"
  },
  "ErrorDescription": "string",
  "LastUpdatedAt": number,
  "Metrics": {
    "AppflowIntegration": {
      "RecordsProcessed": number,
      "StepsCompleted": number,
      "TotalSteps": number
    }
  },
  "StartDate": number,
  "Status": "string",
  "WorkflowId": "string",
  "WorkflowType": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Attributes

Attributes provided for workflow execution.

Type: [WorkflowAttributes](#) object

ErrorDescription

Workflow error messages during execution (if any).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

LastUpdatedAt

The timestamp that represents when workflow execution last updated.

Type: Timestamp

Metrics

Workflow specific execution metrics.

Type: [WorkflowMetrics](#) object

StartDate

The timestamp that represents when workflow execution started.

Type: Timestamp

Status

Status of workflow execution.

Type: String

Valid Values: NOT_STARTED | IN_PROGRESS | COMPLETE | FAILED | SPLIT | RETRY
| CANCELLED

WorkflowId

Unique identifier for the workflow.

Type: String

Pattern: [a-f0-9]{32}

WorkflowType

The type of workflow. The only supported value is APPFLOW_INTEGRATION.

Type: String

Valid Values: APPFLOW_INTEGRATION

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
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- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetWorkflowSteps

Get granular list of steps in workflow.

Request Syntax

```
GET /domains/DomainName/workflows/WorkflowId/steps?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 1024.

WorkflowId

Unique identifier for the workflow.

Pattern: `[a-f0-9]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "AppflowIntegration": {
        "BatchRecordsEndTime": "string",
        "BatchRecordsStartTime": "string",
        "CreatedAt": number,
        "ExecutionMessage": "string",
        "FlowName": "string",
        "LastUpdatedAt": number,
        "RecordsProcessed": number,
        "Status": "string"
      }
    }
  ],
  "NextToken": "string",
  "WorkflowId": "string",
  "WorkflowType": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

List containing workflow step details.

Type: Array of [WorkflowStepItem](#) objects

NextToken

If there are additional results, this is the token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

WorkflowId

Unique identifier for the workflow.

Type: String

Pattern: [a-f0-9]{32}

WorkflowType

The type of workflow. The only supported value is APPFLOW_INTEGRATION.

Type: String

Valid Values: APPFLOW_INTEGRATION

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListAccountIntegrations

Lists all of the integrations associated to a specific URI in the AWS account.

Request Syntax

```
POST /integrations?include-hidden=IncludeHidden&max-results=MaxResults&next-  
token=NextToken HTTP/1.1  
Content-type: application/json
```

```
{  
  "Uri": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

IncludeHidden

Boolean to indicate if hidden integration should be returned. Defaults to `False`.

MaxResults

The maximum number of objects returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous ListAccountIntegrations API call.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request accepts the following data in JSON format.

Uri

The URI of the S3 bucket or any other type of data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "CreatedAt": number,
      "DomainName": "string",
      "EventTriggerNames": [ "string" ],
      "IsUnstructured": boolean,
      "LastUpdatedAt": number,
      "ObjectTypeName": "string",
      "ObjectTypeNameNames": {
        "string" : "string"
      },
      "RoleArn": "string",
      "Scope": "string",
      "Tags": {
        "string" : "string"
      },
      "Uri": "string",
      "WorkflowId": "string"
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The list of ListAccountIntegration instances.

Type: Array of [ListIntegrationItem](#) objects

NextToken

The pagination token from the previous ListAccountIntegrations API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of ListAccountIntegrations.

Sample Request

```
POST /integrations?max-results=10&next-token={NextToken} HTTP/1.1

{
  "Uri": "arn:aws:sqs:us-east-1:123456789012:URIOfIntegration1"
}
```

Sample Response

```
Content-type: application/json
{
  "Items": [
    {
      "CreatedAt": 1479249799770,
      "DomainName": "ExampleDomainName",
      "LastUpdatedAt": 1479249799770,
      "ObjectName": "MyCustomObject",
      "Uri": "arn:aws:flow:us-east-1:123456789012:URIOfIntegration1"
    }
  ],
  "NextToken": "e17145a2-916b-42a2-b4d3-0267fEXAMPLE"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListCalculatedAttributeDefinitions

Lists calculated attribute definitions for Customer Profiles

Request Syntax

```
GET /domains/DomainName/calculated-attributes?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of calculated attribute definitions returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous call to ListCalculatedAttributeDefinitions.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "Items": [
    {
      "CalculatedAttributeName": "string",
      "CreatedAt": number,
      "Description": "string",
      "DisplayName": "string",
      "LastUpdatedAt": number,
      "Status": "string",
      "Tags": {
        "string" : "string"
      },
      "UseHistoricalData": boolean
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The list of calculated attribute definitions.

Type: Array of [ListCalculatedAttributeDefinitionItem](#) objects

NextToken

The pagination token from the previous call to ListCalculatedAttributeDefinitions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListCalculatedAttributesForProfile

Retrieve a list of calculated attributes for a customer profile.

Request Syntax

```
GET /domains/DomainName/profile/ProfileId/calculated-attributes?max-  
results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of calculated attributes returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous call to ListCalculatedAttributesForProfile.

Length Constraints: Minimum length of 1. Maximum length of 1024.

ProfileId

The unique identifier of a customer profile.

Pattern: `[a-f0-9]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "CalculatedAttributeName": "string",
      "DisplayName": "string",
      "IsDataPartial": "string",
      "LastObjectTimestamp": number,
      "Value": "string"
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The list of calculated attributes.

Type: Array of [ListCalculatedAttributeForProfileItem](#) objects

NextToken

The pagination token from the previous call to ListCalculatedAttributesForProfile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListDomainLayouts

Lists the existing layouts that can be used to view data for a specific domain. This API can only be invoked from the Amazon Connect admin website.

Request Syntax

```
GET /domains/DomainName/layouts?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of objects returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

Identifies the next page of results to return.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "Items": [
    {
      "CreatedAt": number,
      "Description": "string",
      "DisplayName": "string",
      "IsDefault": boolean,
      "LastUpdatedAt": number,
      "LayoutDefinitionName": "string",
      "LayoutType": "string",
      "Tags": {
        "string" : "string"
      }
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

Contains summary information about an EventStream.

Type: Array of [LayoutItem](#) objects

NextToken

Identifies the next page of results to return.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListDomainObjectTypes

List all DomainObjectType(s) in a Customer Profiles domain.

Request Syntax

```
GET /domains/DomainName/domain-object-types?max-results=MaxResults&next-token=NextToken
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of domain object types returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous call to ListDomainObjectTypes.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
  "Items": [
    {
      "CreatedAt": number,
      "Description": "string",
      "LastUpdatedAt": number,
      "ObjectTypeName": "string",
      "Tags": {
        "string" : "string"
      }
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The list of domain object types.

Type: Array of [DomainObjectTypesListItem](#) objects

NextToken

The pagination token from the previous call to ListDomainObjectTypes.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListDomains

Returns a list of all the domains for an AWS account that have been created.

Request Syntax

```
GET /domains?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of objects returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous ListDomain API call.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "CreatedAt": number,
      "DomainName": "string",
      "LastUpdatedAt": number,
      "Tags": {
        "string" : "string"
      }
    }
  ]
}
```

```
    }  
  }  
],  
  "NextToken": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[Items](#)

The list of ListDomains instances.

Type: Array of [ListDomainItem](#) objects

[NextToken](#)

The pagination token from the previous ListDomains API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of ListDomains.

Sample Request

```
GET /v1/domains?max-results={MaxResults} //First call
```

Sample Request

```
GET /v1/domains?next-token={NextToken};max-results={MaxResults} //Subsequent calls
```

Sample Response

```
Content-type: application/json
{
  "NextToken": "fcc66dce-8356-4ddb-9f20-911c0EXAMPLE",
  "Items": [
    {
      "CreatedAt": 1479249799770,
      "LastUpdatedAt": 1479249799770,
      "Name": "ExampleDomain1"
    },
    {
      "CreatedAt": 1479249799770,
      "LastUpdatedAt": 1479249799770,
```

```
    "Name": "ExampleDomain2"  
  }  
]  
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListEventStreams

Returns a list of all the event streams in a specific domain.

Request Syntax

```
GET /domains/DomainName/event-streams?max-results=MaxResults&next-token=NextToken
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of objects returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

Identifies the next page of results to return.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "Items": [
    {
      "DestinationSummary": {
        "Status": "string",
        "UnhealthySince": number,
        "Uri": "string"
      },
      "DomainName": "string",
      "EventStreamArn": "string",
      "EventStreamName": "string",
      "State": "string",
      "StoppedSince": number,
      "Tags": {
        "string" : "string"
      }
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

Contains summary information about an EventStream.

Type: Array of [EventStreamSummary](#) objects

NextToken

Identifies the next page of results to return.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListEventTriggers

List all Event Triggers under a domain.

Request Syntax

```
GET /domains/DomainName/event-triggers?max-results=MaxResults&next-token=NextToken  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token to use with ListEventTriggers.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{
  "Items": [
    {
      "CreatedAt": number,
      "Description": "string",
      "EventTriggerName": "string",
      "LastUpdatedAt": number,
      "ObjectTypeName": "string",
      "Tags": {
        "string" : "string"
      }
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The list of Event Triggers.

Type: Array of [EventTriggerSummaryItem](#) objects

NextToken

The pagination token from the previous call to ListEventTriggers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListIdentityResolutionJobs

Lists all of the Identity Resolution Jobs in your domain. The response sorts the list by JobStartTime.

Request Syntax

```
GET /domains/DomainName/identity-resolution-jobs?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "IdentityResolutionJobsList": [
    {
      "DomainName": "string",
      "ExportingLocation": {
        "S3Exporting": {
          "S3BucketName": "string",
          "S3KeyName": "string"
        }
      },
      "JobEndTime": number,
      "JobId": "string",
      "JobStartTime": number,
      "JobStats": {
        "NumberOfMatchesFound": number,
        "NumberOfMergesDone": number,
        "NumberOfProfilesReviewed": number
      },
      "Message": "string",
      "Status": "string"
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[IdentityResolutionJobsList](#)

A list of Identity Resolution Jobs.

Type: Array of [IdentityResolutionJob](#) objects

NextToken

If there are additional results, this is the token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListIntegrations

Lists all of the integrations in your domain.

Request Syntax

```
GET /domains/DomainName/integrations?include-hidden=IncludeHidden&max-  
results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

IncludeHidden

Boolean to indicate if hidden integration should be returned. Defaults to `False`.

MaxResults

The maximum number of objects returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous ListIntegrations API call.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "CreatedAt": number,
      "DomainName": "string",
      "EventTriggerNames": [ "string" ],
      "IsUnstructured": boolean,
      "LastUpdatedAt": number,
      "ObjectTypeName": "string",
      "ObjectTypeNames": {
        "string" : "string"
      },
      "RoleArn": "string",
      "Scope": "string",
      "Tags": {
        "string" : "string"
      },
      "Uri": "string",
      "WorkflowId": "string"
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The list of ListIntegrations instances.

Type: Array of [ListIntegrationItem](#) objects

NextToken

The pagination token from the previous ListIntegrations API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of ListIntegrations.

Sample Request

```
GET /domains/{DomainName}/integrations?max-results={MaxResults}&next-token={NextToken}
HTTP/1.1
```

Sample Response

```
Content-type: application/json
{
  "Items": [
    {
      "CreatedAt": 1479249799770,
      "DomainName": "ExampleDomainName",
      "LastUpdatedAt": 1479249799770,
      "ObjectTypeName": "SalesForce-Account",
      "Uri": "arn:aws:flow:us-east-1:123456789012:URIOfIntegration1"
    },
    {
      "CreatedAt": 1479249799770,
      "DomainName": "ExampleDomainName2",
      "LastUpdatedAt": 1479249799770,
      "ObjectTypeName": "MyCustomObjectName",
      "Uri": "arn:aws:flow:us-east-1:123456789012:URIOfIntegration2"
    }
  ],
  "NextToken": "e17145a2-916b-42a2-b4d3-0267fEXAMPLE"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListObjectTypeAttributes

Fetch the possible attribute values given the attribute name.

Request Syntax

```
GET /domains/DomainName/object-types/ObjectTypeName/attributes?max-  
results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique identifier of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of objects returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous call.

Length Constraints: Minimum length of 1. Maximum length of 1024.

ObjectTypeName

The name of the profile object type.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "AttributeName": "string",
      "LastUpdatedAt": number
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The items returned as part of the response.

Type: Array of [ListObjectTypeAttributeItem](#) objects

NextToken

The pagination token from the previous call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListObjectTypeAttributeValues

The ListObjectTypeAttributeValues API provides access to the most recent distinct values for any specified attribute, making it valuable for real-time data validation and consistency checks within your object types. This API works across domain, supporting both custom and standard object types. The API accepts the object type name, attribute name, and domain name as input parameters and returns values up to the storage limit of approximately 350KB.

Request Syntax

```
GET /domains/DomainName/object-types/ObjectTypeName/attributes/AttributeName/values?  
max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AttributeName

The attribute name.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of objects returned per page. Valid Range: Minimum value of 1. Maximum value of 100. If not provided default as 100.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous call.

Length Constraints: Minimum length of 1. Maximum length of 1024.

ObjectName

The unique name of the domain object type.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "LastUpdatedAt": number,
      "Value": "string"
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

A list of unique attribute values sorted on the basis of LastUpdatedAt.

Type: Array of [ListObjectTypeAttributeValuesItem](#) objects

NextToken

The pagination token from the previous call to call ListObjectTypeAttributeValues.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListProfileAttributeValues

Fetch the possible attribute values given the attribute name.

Request Syntax

```
GET /domains/DomainName/profile-attributes/AttributeName/values HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AttributeName

The attribute name.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

DomainName

The unique identifier of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 StatusCode  
Content-type: application/json
```

```
{
  "AttributeName": "string",
  "DomainName": "string",
  "Items": [
    {
      "Value": "string"
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status Code

The status code for the response.

The following data is returned in JSON format by the service.

AttributeName

The attribute name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

DomainName

The name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Items

The items returned as part of the response.

Type: Array of [AttributeValueItem](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListProfileHistoryRecords

Returns a list of history records for a specific profile, for a specific domain.

Request Syntax

```
POST /domains/DomainName/profiles/history-records?max-results=MaxResults&next-token=NextToken HTTP/1.1
Content-type: application/json
```

```
{
  "ActionType": "string",
  "ObjectTypeName": "string",
  "PerformedBy": "string",
  "ProfileId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain for which to return profile history records.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request accepts the following data in JSON format.

ActionType

Applies a filter to include profile history records only with the specified `ActionType` value in the response.

Type: String

Valid Values: `ADDED_PROFILE_KEY` | `DELETED_PROFILE_KEY` | `CREATED` | `UPDATED` | `INGESTED` | `DELETED_BY_CUSTOMER` | `EXPIRED` | `MERGED` | `DELETED_BY_MERGE`

Required: No

ObjectTypeName

Applies a filter to include profile history records only with the specified `ObjectTypeName` value in the response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

PerformedBy

Applies a filter to include profile history records only with the specified `PerformedBy` value in the response. The `PerformedBy` value can be the Amazon Resource Name (ARN) of the person or service principal who performed the action.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

ProfileId

The identifier of the profile to be taken.

Type: String

Pattern: [a-f0-9]{32}

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "NextToken": "string",
  "ProfileHistoryRecords": [
    {
      "ActionType": "string",
      "CreatedAt": number,
      "Id": "string",
      "LastUpdatedAt": number,
      "ObjectTypeName": "string",
      "PerformedBy": "string",
      "ProfileObjectUniqueKey": "string"
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If there are additional results, this is the token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

ProfileHistoryRecords

The list of profile history records.

Type: Array of [ProfileHistoryRecord](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListProfileObjects

Returns a list of objects associated with a profile of a given ProfileObjectType.

Request Syntax

```
POST /domains/DomainName/profiles/objects?max-results=MaxResults&next-token=NextToken
HTTP/1.1
Content-type: application/json

{
  "ObjectFilter": {
    "KeyName": "string",
    "Values": [ "string" ]
  },
  "ObjectTypeName": "string",
  "ProfileId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of objects returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous call to ListProfileObjects.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request accepts the following data in JSON format.

ObjectFilter

Applies a filter to the response to include profile objects with the specified index values.

Type: [ObjectFilter](#) object

Required: No

ObjectTypeName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

ProfileId

The unique identifier of a customer profile.

Type: String

Pattern: `[a-f0-9]{32}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
"Items": [  
  {  
    "Object": "string",  
    "ObjectTypeName": "string",  
    "ProfileObjectUniqueKey": "string"  
  }  
],  
"NextToken": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The list of ListProfileObject instances.

Type: Array of [ListProfileObjectsItem](#) objects

NextToken

The pagination token from the previous call to ListProfileObjects.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example 1: List raw Contact Record objects

This example illustrates one usage of ListProfileObjects.

Sample Request

```
POST /domains/ExampleDomainName/profiles/objects?max-results=10&next-token=nextToken
Content-type: application/json

{
  "ObjectName": "MyCustomObject",
  "ProfileId": "3991a7d959d248bba82546b2dEXAMPLE"
}
```

Sample Response

```
Content-type: application/json
{
  "Items": [
    {
      "Object": "{\n  \"firstName\": \"John\",\n  \"lastName\": \"Smith\",\n  \"isAlive\": true,\n  \"age\": 27,\n  \"address\": {\n    \"streetAddress\": \"21
```

```

    2nd Street\", \"city\": \"New York\", \"state\": \"NY\", \"postalCode\": \"10021-3100\"},
    \n      \"phoneNumbers\": [{\"type\": \"home\", \"number\": \"212 555-1234\"}, \n
        {\"type\": \"office\", \"number\": \"646 555-4567\"}], \n
    \"children\": [], \n      \"spouse\": null}],
    \"ObjectTypeName\": \"MyCustomObject\",
    \"ProfileObjectUniqueKey\": \"UniqueKeyOfTheProfileObject\"
  },
  {
    \"Object\": \"{\\\"firstName\\\": \\\"John\\\", \n      \\\"lastName\\\": \\\"Smith\\\", \n
    \\\"isAlive\\\": true, \n      \\\"age\\\": 27, \n      \\\"address\\\": {\\\"streetAddress\\\": \\\"21
    2nd Street\\\", \\\"city\\\": \\\"New York\\\", \\\"state\\\": \\\"NY\\\", \\\"postalCode\\\": \\\"10021-3100\\\"},
    \n      \\\"phoneNumbers\\\": [{\\\"type\\\": \\\"home\\\", \\\"number\\\": \\\"212 555-1234\\\"}, \n
        {\\\"type\\\": \\\"office\\\", \\\"number\\\": \\\"646 555-4567\\\"}], \n
    \\\"children\\\": [], \n      \\\"spouse\\\": null}\",
    \"ObjectTypeName\": \"MyCustomObject\",
    \"ProfileObjectUniqueKey\": \"UniqueKeyOfTheProfileObject\"
  }
],
\"NextToken\": \"e17145a2-916b-42a2-b4d3-0267fEXAMPLE\"
}

```

Example 2: Filter Standard Asset Objects

This example illustrates one usage of ListProfileObjects.

Sample Request

```

POST /domains/ExampleDomainName/profiles/objects?max-results=10&next-token=nextToken
Content-type: application/json

```

```

{
  \"ObjectTypeName\": \"_asset\",
  \"ProfileId\": \"3991a7d959d248bba82546b2dEXAMPLE\",
  \"ObjectFilter\": {
    \"KeyName\": \"_assetId\",
    \"Values\": [ \"991a7d959d248bba82546b2dEXAMPLE2\" ]
  }
}

```

Sample Response

```

Content-type: application/json
{

```

```
"Items": [  
  {  
    "Object": "{ \"AssetId\": \"991a7d959d248bba82546b2dEXAMPLE2\", \n  
    \"AssetName\": \"MyAsset\", \n      \"SerialNumber\": \"123\", \n      \"ModelNumber  
\": \"1\", \n      \"ModelName\": \"name\", \n      \"ProductSKU\": \"21\", \n      \"PurchaseDate\": \"07-04-2021\", \n      \"UsageEndDate\": \"07-04-2021\", \n      \"Status\": \"Delivered\", \n      \"Price\": \"10\", \n      \"Quantity\": \"5\", \n      \"Description\": \"This is an asset\", \n      \"Location\": \"Office\", \n      \"AdditionalInformation\": \"None\", \n      \"DataSource\": \"Salesforce-Asset\",  
    \n      \"Attributes\": {} }",  
    "ObjectTypeName": "_asset",  
    "ProfileObjectUniqueKey": "UniqueKeyOfTheProfileObject"  
  }  
],  
  "NextToken": "e17145a2-916b-42a2-b4d3-0267fEXAMPLE"  
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListProfileObjectTypes

Lists all of the templates available within the service.

Request Syntax

```
GET /domains/DomainName/object-types?max-results=MaxResults&next-token=NextToken
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of objects returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

Identifies the next page of results to return.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "Items": [
    {
      "CreatedAt": number,
      "Description": "string",
      "LastUpdatedAt": number,
      "MaxAvailableProfileObjectCount": number,
      "MaxProfileObjectCount": number,
      "ObjectTypeName": "string",
      "SourcePriority": number,
      "Tags": {
        "string" : "string"
      }
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The list of ListProfileObjectTypes instances.

Type: Array of [ListProfileObjectTypesItem](#) objects

NextToken

Identifies the next page of results to return.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of ListProfileObjectTypes.

Sample Request

```
GET /domains/ExampleDomainName/object-types?max-results=10&next-token=nextToken
HTTP/1.1
```

Sample Response

```
Content-type: application/json
```

```
{
  "Items": [
    {
      "CreatedAt": 1479249799770,
      "Description": "Example Description 1",
      "LastUpdatedAt": 1479249799770,
      "ObjectTypeName": "MyCustomObjectType",
      "SourcePriority": 2
    },
    {
      "CreatedAt": 147924988889,
      "Description": "Example Description 2",
      "LastUpdatedAt": 147924988889,
      "ObjectTypeName": "AnotherCustomObjectType"
    }
  ],
  "NextToken": "e17145a2-916b-42a2-b4d3-0267fEXAMPLE"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListProfileObjectTypeTemplates

Lists all of the template information for object types.

Request Syntax

```
GET /templates?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of objects returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous ListObjectTypeTemplates API call.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "SourceName": "string",
      "SourceObject": "string",
      "TemplateId": "string"
    }
  ]
}
```

```
] ,  
  "NextToken": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The list of ListProfileObjectType template instances.

Type: Array of [ListProfileObjectTypeTemplateItem](#) objects

NextToken

The pagination token from the previous ListObjectTypeTemplates API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of ListProfileObjectTypeTemplates.

Sample Request

```
GET /templates?max-results={MaxResults}&next-token={NextToken} HTTP/1.1
```

Sample Response

```
Content-type: application/json
{
  "Items": [
    {
      "SourceName": "Salesforce-account",
      "SourceObject": "<JSON represented by GetProfileObjectTypeTemplate API>",
      "TemplateId": "Salesforce-Account"
    },
    {
      "SourceName": "Another-source",
      "SourceObject": "<JSON represented by GetProfileObjectTypeTemplate API>",
      "TemplateId": "MyCustomTemplateId"
    }
  ],
  "NextToken": "e17145a2-916b-42a2-b4d3-0267fEXAMPLE"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListRecommenderFilters

Returns a list of recommender filters in the specified domain.

Request Syntax

```
GET /domains/DomainName/recommender-filters?max-results=MaxResults&next-token=NextToken
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of recommender filters to return in the response. The default value is 100.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

A token received from a previous ListRecommenderFilters call to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "NextToken": "string",
  "RecommenderFilters": [
    {
      "CreatedAt": number,
      "Description": "string",
      "FailureReason": "string",
      "RecommenderFilterExpression": "string",
      "RecommenderFilterName": "string",
      "RecommenderSchemaName": "string",
      "Status": "string",
      "Tags": {
        "string" : "string"
      }
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

A token to retrieve the next page of results. Null if there are no more results to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

RecommenderFilters

A list of recommender filters and their properties in the specified domain.

Type: Array of [RecommenderFilterSummary](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListRecommenderRecipes

Returns a list of available recommender recipes that can be used to create recommenders.

Request Syntax

```
GET /recommender-recipes?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of recommender recipes to return in the response. The default value is 100.

Valid Range: Minimum value of 10. Maximum value of 100.

NextToken

A token received from a previous ListRecommenderRecipes call to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "NextToken": "string",
  "RecommenderRecipes": [
    {
      "description": "string",
```

```
    "name": "string"  
  }  
]  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

A token to retrieve the next page of results. Null if there are no more results to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

RecommenderRecipes

A list of available recommender recipes and their properties.

Type: Array of [RecommenderRecipe](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListRecommenders

Returns a list of recommenders in the specified domain.

Request Syntax

```
GET /domains/DomainName/recommenders?max-results=MaxResults&next-token=NextToken  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of recommenders to return in the response. The default value is 100.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

A token received from a previous ListRecommenders call to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```



```
{
  "NextToken": "string",
  "Recommenders": [
    {
      "CreatedAt": number,
      "Description": "string",
      "FailureReason": "string",
      "LastUpdatedAt": number,
      "LatestRecommenderUpdate": {
        "CreatedAt": number,
        "FailureReason": "string",
        "LastUpdatedAt": number,
        "RecommenderConfig": {
          "EventsConfig": {
            "EventParametersList": [
              {
                "EventType": "string",
                "EventValueThreshold": number,
                "EventWeight": number
              }
            ]
          },
          "IncludedColumns": {
            "string" : [ "string" ]
          },
          "InferenceConfig": {
            "MinProvisionedTPS": number
          },
          "TrainingFrequency": number
        },
        "Status": "string"
      },
      "RecipeName": "string",
      "RecommenderConfig": {
        "EventsConfig": {
          "EventParametersList": [
            {
              "EventType": "string",
              "EventValueThreshold": number,
              "EventWeight": number
            }
          ]
        }
      }
    },
  ],
}
```

```
    "IncludedColumns": {
      "string" : [ "string" ]
    },
    "InferenceConfig": {
      "MinProvisionedTPS": number
    },
    "TrainingFrequency": number
  },
  "RecommenderName": "string",
  "RecommenderSchemaName": "string",
  "Status": "string",
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

A token to retrieve the next page of results. Null if there are no more results to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Recommenders

A list of recommenders and their properties in the specified domain.

Type: Array of [RecommenderSummary](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListRecommenderSchemas

Returns a list of recommender schemas in the specified domain.

Request Syntax

```
GET /domains/DomainName/recommender-schemas?max-results=MaxResults&next-token=NextToken  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of recommender schemas to return in the response. The default value is 100.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

A token received from a previous ListRecommenderSchemas call to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "NextToken": "string",
  "RecommenderSchemas": [
    {
      "CreatedAt": number,
      "Fields": {
        "string" : [
          {
            "ContentType": "string",
            "FeatureType": "string",
            "TargetFieldName": "string"
          }
        ]
      },
      "RecommenderSchemaName": "string",
      "Status": "string"
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

A token to retrieve the next page of results. Null if there are no more results to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

RecommenderSchemas

A list of recommender schemas and their properties in the specified domain.

Type: Array of RecommenderSchemaSummary objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListRuleBasedMatches

Returns a set of MatchIds that belong to the given domain.

Request Syntax

```
GET /domains/DomainName/profiles/ruleBasedMatches?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of MatchIds returned per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous ListRuleBasedMatches API call.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{  
  "MatchIds": [ "string" ],  
  "NextToken": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

MatchIds

The list of MatchIds for the given domain.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

NextToken

The pagination token from the previous ListRuleBasedMatches API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListSegmentDefinitions

Lists all segment definitions under a domain.

Request Syntax

```
GET /domains/DomainName/segment-definitions?max-results=MaxResults&next-token=NextToken  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique identifier of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of objects returned per page.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The pagination token from the previous call.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "Items": [
    {
      "CreatedAt": number,
      "Description": "string",
      "DisplayName": "string",
      "SegmentDefinitionArn": "string",
      "SegmentDefinitionName": "string",
      "SegmentType": "string",
      "Tags": {
        "string" : "string"
      }
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

List of segment definitions.

Type: Array of [SegmentDefinitionItem](#) objects

NextToken

The pagination token from the previous call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListTagsForResource

Displays the tags associated with an Amazon Connect Customer Profiles resource. In Connect Customer Profiles, domains, profile object types, and integrations can be tagged.

Request Syntax

```
GET /tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource for which you want to view tags.

Length Constraints: Maximum length of 256.

Pattern: `^arn:[a-z0-9]{1,10}:profile`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+ -=._:/]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListUploadJobs

This API retrieves a list of upload jobs for the specified domain.

Request Syntax

```
GET /domains/DomainName/upload-jobs?max-results=MaxResults&next-token=NextToken  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain to list upload jobs for.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of upload jobs to return per page.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The pagination token from the previous call to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{
  "Items": [
    {
      "CompletedAt": number,
      "CreatedAt": number,
      "DataExpiry": number,
      "DisplayName": "string",
      "JobId": "string",
      "Status": "string",
      "StatusReason": "string"
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The list of upload jobs for the specified domain.

Type: Array of [UploadJobItem](#) objects

NextToken

The pagination token to use to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListWorkflows

Query to list all workflows.

Request Syntax

```
POST /domains/DomainName/workflows?max-results=MaxResults&next-token=NextToken HTTP/1.1
Content-type: application/json
```

```
{
  "QueryEndDate": number,
  "QueryStartDate": number,
  "Status": "string",
  "WorkflowType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request accepts the following data in JSON format.

QueryEndDate

Retrieve workflows ended after timestamp.

Type: Timestamp

Required: No

QueryStartDate

Retrieve workflows started after timestamp.

Type: Timestamp

Required: No

Status

Status of workflow execution.

Type: String

Valid Values: NOT_STARTED | IN_PROGRESS | COMPLETE | FAILED | SPLIT | RETRY
| CANCELLED

Required: No

WorkflowType

The type of workflow. The only supported value is APPFLOW_INTEGRATION.

Type: String

Valid Values: APPFLOW_INTEGRATION

Required: No

Response Syntax

```
HTTP/1.1 200
```


Content-type: application/json

```
{
  "Items": [
    {
      "CreatedAt": number,
      "LastUpdatedAt": number,
      "Status": "string",
      "StatusDescription": "string",
      "WorkflowId": "string",
      "WorkflowType": "string"
    }
  ],
  "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

List containing workflow details.

Type: Array of [ListWorkflowsItem](#) objects

NextToken

If there are additional results, this is the token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

MergeProfiles

Runs an AWS Lambda job that does the following:

1. All the profileKeys in the ProfileToBeMerged will be moved to the main profile.
2. All the objects in the ProfileToBeMerged will be moved to the main profile.
3. All the ProfileToBeMerged will be deleted at the end.
4. All the profileKeys in the ProfileIdsToBeMerged will be moved to the main profile.
5. Standard fields are merged as follows:
 - a. Fields are always "union"-ed if there are no conflicts in standard fields or attributeKeys.
 - b. When there are conflicting fields:
 - i. If no SourceProfileIds entry is specified, the main Profile value is always taken.
 - ii. If a SourceProfileIds entry is specified, the specified profileId is always taken, even if it is a NULL value.

You can use MergeProfiles together with [GetMatches](#), which returns potentially matching profiles, or use it with the results of another matching system. After profiles have been merged, they cannot be separated (unmerged).

Request Syntax

```
POST /domains/DomainName/profiles/objects/merge HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "FieldSourceProfileIds": {
    "AccountNumber": "string",
    "AdditionalInformation": "string",
    "Address": "string",
    "Attributes": {
      "string" : "string"
    },
    "BillingAddress": "string",
    "BirthDate": "string",
    "BusinessEmailAddress": "string",
    "BusinessName": "string",
    "BusinessPhoneNumber": "string",
    "EmailAddress": "string",
```

```
{
  "EngagementPreferences": "string",
  "FirstName": "string",
  "Gender": "string",
  "HomePhoneNumber": "string",
  "LastName": "string",
  "MailingAddress": "string",
  "MiddleName": "string",
  "MobilePhoneNumber": "string",
  "PartyType": "string",
  "PersonalEmailAddress": "string",
  "PhoneNumber": "string",
  "ProfileType": "string",
  "ShippingAddress": "string"
},
{
  "MainProfileId": "string",
  "ProfileIdsToBeMerged": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

FieldSourceProfileIds

The identifiers of the fields in the profile that has the information you want to apply to the merge. For example, say you want to merge EmailAddress from Profile1 into MainProfile. This would be the identifier of the EmailAddress field in Profile1.

Type: [FieldSourceProfileIds](#) object

Required: No

[MainProfileId](#)

The identifier of the profile to be taken.

Type: String

Pattern: [a-f0-9]{32}

Required: Yes

[ProfileIdsToBeMerged](#)

The identifier of the profile to be merged into MainProfileId.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Pattern: [a-f0-9]{32}

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Message": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[Message](#)

A message that indicates the merge request is complete.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example 1

Fields are always "union"-ed if there are no conflicts in standard fields or attributeKeys.

```
MainProfile: {  
  "FirstName": "Jane"  
}  
  
ProfileToBeMerged1: {  
  "LastName": "Doe"
```

```
}

ProfileToBeMerged2: {
  "MiddleName": "None"
}

mergeOf(MainProfile, [ProfileToBeMerged1, ProfileToBeMerged2] // Yields a MainProfile
that looks like the following:
  MainProfile: {
    "FirstName": "Jane",
    "LastName": "Doe",
    "MiddleName": "None"
  }
```

Example 2

When there are conflicting fields, if no SourceProfileIds entry is specified, the main Profile value is always taken.

```
MainProfile: {
  "FirstName": "Jane"
}

ProfileToBeMerged1: {
  "LastName": "Doe"
}

ProfileToBeMerged2: {
  "FirstName": "Jorge" // Note that this has conflict with MainProfile
}

mergeOf(MainProfile, [ProfileToBeMerged1, ProfileToBeMerged2] // Yields a MainProfile
that looks like the following:
  MainProfile: {
    "FirstName": "Jane", // "Jane" stays as that is what MainProfile is
    "LastName": "Doe"
  }
```

Example 3

When there are conflicting fields, if a SourceProfileIds entry is specified, the specified profileId is always taken, even if it is a NULL value.


```
MainProfile: {
  "FirstName": "Jane"
}

ProfileToBeMerged1: {
  "LastName": "Doe"
}

ProfileToBeMerged2: {
  "FirstName": "Jorge" // Note that this has conflict with MainProfile
}

SourceProfileIds: {
  "FirstName": "secondaryProfile2"
}

mergeOf(MainProfile, [ProfileToBeMerged1, ProfileToBeMerged2] // Yields a MainProfile
that looks like the following:
  MainProfile: {
    "FirstName": "Jorge", // "Jorge" gets picked because SourceProfileIds is
specified
    "LastName": "Doe"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

PutDomainObjectType

Create/Update a DomainObjectType in a Customer Profiles domain. To create a new DomainObjectType, Data Store needs to be enabled on the Domain.

Request Syntax

```
PUT /domains/DomainName/domain-object-types/ObjectName HTTP/1.1
Content-type: application/json
```

```
{
  "Description": "string",
  "EncryptionKey": "string",
  "Fields": {
    "string" : {
      "ContentType": "string",
      "FeatureType": "string",
      "Source": "string",
      "Target": "string"
    }
  },
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

ObjectName

The unique name of the domain object type.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

The description of the domain object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10000.

Required: No

EncryptionKey

The customer provided KMS key used to encrypt this type of domain object.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

Fields

A map of field names to their corresponding domain object type field definitions.

Type: String to [DomainObjectTypeField](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

Required: Yes

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CreatedAt": number,
  "Description": "string",
  "EncryptionKey": "string",
  "Fields": {
    "string" : {
      "ContentType": "string",
      "FeatureType": "string",
      "Source": "string",
      "Target": "string"
    }
  },
  "LastUpdatedAt": number,
  "ObjectTypeName": "string",
  "Tags": {
    "string" : "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the domain object type was created.

Type: Timestamp

Description

The description of the domain object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10000.

EncryptionKey

The customer provided KMS key used to encrypt this type of domain object.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Fields

A map of field names to their corresponding domain object type field definitions.

Type: String to [DomainObjectTypeField](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

LastUpdatedAt

The timestamp of when the domain object type was most recently edited.

Type: Timestamp

ObjectName

The unique name of the domain object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

PutIntegration

Adds an integration between the service and a third-party service, which includes Amazon AppFlow and Amazon Connect.

An integration can belong to only one domain.

To add or remove tags on an existing Integration, see [TagResource](#) / [UntagResource](#).

Request Syntax

```
PUT /domains/DomainName/integrations HTTP/1.1
Content-type: application/json
```

```
{
  "EventTriggerNames": [ "string" ],
  "FlowDefinition": {
    "Description": "string",
    "FlowName": "string",
    "KmsArn": "string",
    "SourceFlowConfig": {
      "ConnectorProfileName": "string",
      "ConnectorType": "string",
      "IncrementalPullConfig": {
        "DatetimeTypeFieldName": "string"
      },
      "SourceConnectorProperties": {
        "Marketo": {
          "Object": "string"
        },
        "S3": {
          "BucketName": "string",
          "BucketPrefix": "string"
        },
        "Salesforce": {
          "EnableDynamicFieldUpdate": boolean,
          "IncludeDeletedRecords": boolean,
          "Object": "string"
        },
        "ServiceNow": {
          "Object": "string"
        },
        "Zendesk": {
```

```

        "Object": "string"
      }
    },
    "Tasks": [
      {
        "ConnectorOperator": {
          "Marketo": "string",
          "S3": "string",
          "Salesforce": "string",
          "ServiceNow": "string",
          "Zendesk": "string"
        },
        "DestinationField": "string",
        "SourceFields": [ "string" ],
        "TaskProperties": {
          "string" : "string"
        },
        "TaskType": "string"
      }
    ],
    "TriggerConfig": {
      "TriggerProperties": {
        "Scheduled": {
          "DataPullMode": "string",
          "FirstExecutionFrom": number,
          "ScheduleEndTime": number,
          "ScheduleExpression": "string",
          "ScheduleOffset": number,
          "ScheduleStartTime": number,
          "Timezone": "string"
        }
      },
      "TriggerType": "string"
    }
  },
  "ObjectTypeName": "string",
  "ObjectTypeNames": {
    "string" : "string"
  },
  "RoleArn": "string",
  "Scope": "string",
  "Tags": {
    "string" : "string"
  }

```

```
},  
  "Uri": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

EventTriggerNames

A list of unique names for active event triggers associated with the integration.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

FlowDefinition

The configuration that controls how Customer Profiles retrieves data from the source.

Type: [FlowDefinition](#) object

Required: No

ObjectTypeName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

ObjectTypeNames

A map in which each key is an event type from an external application such as Segment or Shopify, and each value is an `ObjectTypeName` (template) used to ingest the event. It supports the following event types: `SegmentIdentify`, `ShopifyCreateCustomers`, `ShopifyUpdateCustomers`, `ShopifyCreateDraftOrders`, `ShopifyUpdateDraftOrders`, `ShopifyCreateOrders`, and `ShopifyUpdatedOrders`.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Value Length Constraints: Minimum length of 1. Maximum length of 255.

Value Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

RoleArn

The Amazon Resource Name (ARN) of the IAM role. The Integration uses this role to make Customer Profiles requests on your behalf.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:iam:.*:[0-9]+:.*`

Required: No

Scope

Specifies whether the integration applies to profile level data (associated with profiles) or domain level data (not associated with any specific profile). The default value is PROFILE.

Type: String

Valid Values: PROFILE | DOMAIN

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+--=._:/]+$`

Value Length Constraints: Maximum length of 256.

Required: No

Uri

The URI of the S3 bucket or any other type of data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
"CreatedAt": number,
"DomainName": "string",
"EventTriggerNames": [ "string" ],
"IsUnstructured": boolean,
"LastUpdatedAt": number,
"ObjectTypeName": "string",
"ObjectTypeNames": {
  "string" : "string"
},
"RoleArn": "string",
"Scope": "string",
"Tags": {
  "string" : "string"
},
"Uri": "string",
"WorkflowId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the domain was created.

Type: Timestamp

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

EventTriggerNames

A list of unique names for active event triggers associated with the integration. This list would be empty if no Event Trigger is associated with the integration.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

IsUnstructured

Boolean that shows if the Flow that's associated with the Integration is created in Amazon Appflow, or with ObjectTypeName equals `_unstructured` via API/CLI in flowDefinition.

Type: Boolean

LastUpdatedAt

The timestamp of when the domain was most recently edited.

Type: Timestamp

ObjectTypeName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

ObjectTypeNames

A map in which each key is an event type from an external application such as Segment or Shopify, and each value is an ObjectTypeName (template) used to ingest the event. It supports the following event types: SegmentIdentify, ShopifyCreateCustomers, ShopifyUpdateCustomers, ShopifyCreateDraftOrders, ShopifyUpdateDraftOrders, ShopifyCreateOrders, and ShopifyUpdatedOrders.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Value Length Constraints: Minimum length of 1. Maximum length of 255.

Value Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

RoleArn

The Amazon Resource Name (ARN) of the IAM role. The Integration uses this role to make Customer Profiles requests on your behalf.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:iam:.*:[0-9]+:.*`

Scope

Specifies whether the integration applies to profile level data (associated with profiles) or domain level data (not associated with any specific profile). The default value is PROFILE.

Type: String

Valid Values: PROFILE | DOMAIN

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Uri

The URI of the S3 bucket or any other type of data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

WorkflowId

Unique identifier for the workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of PutIntegration.

Sample Request

```
PUT /domains/ExampleDomainName/integrations HTTP/1.1

Content-type: application/json
{
  "ObjectName": "MyCustomObject",
  "Uri": "arn:aws:flow:us-east-1:123456789012:URIOfIntegration1"
}
```

Sample Response

```
Content-type: application/json
{
  "CreatedAt": 1479249799770,
  "DomainName": "ExampleDomainName",
  "LastUpdatedAt": 1479249799770,
  "ObjectName": "MyCustomObject",
  "Uri": "arn:aws:flow:us-east-1:123456789012:URIOfIntegration1"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

PutProfileObject

Adds additional objects to customer profiles of a given ObjectType.

When adding a specific profile object, like a Contact Record, an inferred profile can get created if it is not mapped to an existing profile. The resulting profile will only have a phone number populated in the standard ProfileObject. Any additional Contact Records with the same phone number will be mapped to the same inferred profile.

When a ProfileObject is created and if a ProfileObjectType already exists for the ProfileObject, it will provide data to a standard profile depending on the ProfileObjectType definition.

PutProfileObject needs an ObjectType, which can be created using PutProfileObjectType.

Request Syntax

```
PUT /domains/DomainName/profiles/objects HTTP/1.1
Content-type: application/json
```

```
{
  "Object": "string",
  "ObjectTypeName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Object

A string that is serialized from a JSON object.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256000.

Required: Yes

ObjectTypeName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "ProfileObjectUniqueKey": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ProfileObjectUniqueKey

The unique identifier of the profile object generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example 1: For a custom object

This example illustrates one usage of PutProfileObject.

Sample Request

```
PUT /domains/ExampleDomainName/profiles/objects HTTP/1.1
```

Content-type: application/json

```
{
  "Object": "{\n  \"firstName\": \"John\",\n  \"lastName\": \"Smith\",\n  \"isAlive\": true,\n  \"age\": 27,\n  \"address\": {\n    \"streetAddress\": \"21 2nd Street\",\n    \"city\": \"New York\",\n    \"state\": \"NY\",\n    \"postalCode\": \"10021-3100\"\n  },\n  \"phoneNumbers\": [\n    {\n      \"type\": \"home\",\n      \"number\": \"212 555-1234\"\n    },\n    {\n      \"type\": \"office\",\n      \"number\": \"646 555-4567\"\n    }\n  ],\n  \"children\": [],\n  \"spouse\": null\n}",
  "ObjectTypeName": "MyCustomObjectName"
}
```

Sample Response

Content-type: application/json

```
{
  "ProfileObjectUniqueKey": "HashValueOfUniqueKeyOfTheProfileObject"
}
```

Example 2: For a pre-defined object, like a Contact Record

This example illustrates one usage of PutProfileObject.

Sample Request

PUT /domains/ExampleDomainName/profiles/objects HTTP/1.1

Content-type: application/json

```
{
  "Object": "{\n  \"mediaStreams\": [\n    {\n      \"type\": \"AUDIO\"\n    }\n  ],\n  \"queue\": null,\n  \"preDisconnectState\": null,\n  \"references\": null,\n  \"contactReferences\": null,\n  \"initialContactId\": null,\n  \"previousContactData\": null,\n  \"recordings\": null,\n  \"contactDetails\": null,\n  \"initialContactFlowId\": \"e1b44e46-a457-4230-a896-64473a2dbe7d\",\n  \"channel\": \"V0ICE\",\n  \"attributes\": null,\n  \"customerEndpoint\": {\n    \"address\": null,\n    \"type\": \"V0IP\",\n    \"arn\": null\n  },\n  \"transferInfo\": null,\n  \"initiationMethod\": \"API\",\n  \"nextContactData\": null,\n  \"contactId\": \"9a3394ee-a0c4-448a-a329-9a148e53d8cd\",\n  \"initiationTimestamp\": 1603319514474,\n  \"connectedToSystemTimestamp\": 1603319517218,\n  \"disconnectTimestamp\": 1603319517000,\n  \"agentConnectionAttempts\": 0,\n  \"agent\": null,\n  \"systemEndpoint\": {\n    \"address\": \"e1b44e46-a457-4230-a896-64473a2dbe7d\",\n    \"type\": \"CONTACT_FLOW\",\n    \"arn\": null\n  },\n  \"instanceARN\"
}
```

```
\": \"arn:aws:connect:us-west-2:941081270797:instance/fb129b8c-4a2f-4561-859b-cc190fa047b1\",\\n  \"lastUpdateTimestamp\": 1603319579763,\\n  \"disconnectReason\": \"CUSTOMER_DISCONNECT\",\\n  \"awsaccountId\": \"941081270797\",\\n  \"awscontactTraceRecordFormatVersion\": \"2019-01-23\",\\n  \"ObjectType\": \"CTR\"
}
```

Sample Response

```
Content-type: application/json
{
  \"ProfileObjectUniqueKey\": \"HashValueOfTheCTRContactId\"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

PutProfileObjectType

Defines a ProfileObjectType.

To add or remove tags on an existing ObjectType, see [TagResource](#)/[UntagResource](#).

Request Syntax

```
PUT /domains/DomainName/object-types/ObjectTypeName HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "AllowProfileCreation": boolean,
  "Description": "string",
  "EncryptionKey": "string",
  "ExpirationDays": number,
  "Fields": {
    "string" : {
      "ContentType": "string",
      "Source": "string",
      "Target": "string"
    }
  },
  "Keys": {
    "string" : [
      {
        "FieldNames": [ "string" ],
        "StandardIdentifiers": [ "string" ]
      }
    ]
  },
  "MaxProfileObjectCount": number,
  "SourceLastUpdatedTimestampFormat": "string",
  "SourcePriority": number,
  "Tags": {
    "string" : "string"
  },
  "TemplateId": "string"
}
```


URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

ObjectTypeName

The name of the profile object type.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AllowProfileCreation

Indicates whether a profile should be created when data is received if one doesn't exist for an object of this type. The default is FALSE. If the AllowProfileCreation flag is set to FALSE, then the service tries to fetch a standard profile and associate this object with the profile. If it is set to TRUE, and if no match is found, then the service creates a new standard profile.

Type: Boolean

Required: No

Description

Description of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

EncryptionKey

The customer-provided key to encrypt the profile object that will be created in this profile object type.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

ExpirationDays

The number of days until the data in the object expires.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1098.

Required: No

Fields

A map of the name and ObjectType field.

Type: String to [ObjectTypeField](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

Required: No

Keys

A list of unique keys that can be used to map data to the profile.

Type: String to array of [ObjectTypeKey](#) objects map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

Required: No

MaxProfileObjectCount

The amount of profile object max count assigned to the object type

Type: Integer

Valid Range: Minimum value of 1.

Required: No

SourceLastUpdatedTimestampFormat

The format of your sourceLastUpdatedTimestamp that was previously set up.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

SourcePriority

An integer that determines the priority of this object type when data from multiple sources is ingested. Lower values take priority. Object types without a specified source priority default to the lowest priority.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]`

Value Length Constraints: Maximum length of 256.

Required: No

TemplateId

A unique identifier for the object template. For some attributes in the request, the service will use the default value from the object template when TemplateId is present. If these attributes are present in the request, the service may return a `BadRequestException`. These attributes include: `AllowProfileCreation`, `SourceLastUpdatedTimestampFormat`, `Fields`, and `Keys`. For example, if `AllowProfileCreation` is set to true when `TemplateId` is set, the service may return a `BadRequestException`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "AllowProfileCreation": boolean,
  "CreatedAt": number,
  "Description": "string",
  "EncryptionKey": "string",
  "ExpirationDays": number,
  "Fields": {
    "string" : {
      "ContentType": "string",
      "Source": "string",
      "Target": "string"
    }
  },
  "Keys": {
    "string" : [
      {
        "FieldNames": [ "string" ],
        "StandardIdentifiers": [ "string" ]
      }
    ]
  }
}
```

```
    }  
  ]  
},  
  "LastUpdatedAt": number,  
  "MaxAvailableProfileObjectCount": number,  
  "MaxProfileObjectCount": number,  
  "ObjectTypeName": "string",  
  "SourceLastUpdatedTimestampFormat": "string",  
  "SourcePriority": number,  
  "Tags": {  
    "string" : "string"  
  },  
  "TemplateId": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AllowProfileCreation

Indicates whether a profile should be created when data is received if one doesn't exist for an object of this type. The default is FALSE. If the AllowProfileCreation flag is set to FALSE, then the service tries to fetch a standard profile and associate this object with the profile. If it is set to TRUE, and if no match is found, then the service creates a new standard profile.

Type: Boolean

CreatedAt

The timestamp of when the domain was created.

Type: Timestamp

Description

Description of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

EncryptionKey

The customer-provided key to encrypt the profile object that will be created in this profile object type.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

ExpirationDays

The number of days until the data in the object expires.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1098.

Fields

A map of the name and ObjectType field.

Type: String to [ObjectTypeField](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

Keys

A list of unique keys that can be used to map data to the profile.

Type: String to array of [ObjectTypeKey](#) objects map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_-]+$`

LastUpdatedAt

The timestamp of when the domain was most recently edited.

Type: Timestamp

MaxAvailableProfileObjectCount

The amount of provisioned profile object max count available.

Type: Integer

Valid Range: Minimum value of 0.

MaxProfileObjectCount

The amount of profile object max count assigned to the object type.

Type: Integer

Valid Range: Minimum value of 1.

ObjectTypeName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

SourceLastUpdatedTimestampFormat

The format of your `sourceLastUpdatedTimestamp` that was previously set up in fields that were parsed using [SimpleDateFormat](#). If you have `sourceLastUpdatedTimestamp` in your field, you must set up `sourceLastUpdatedTimestampFormat`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

SourcePriority

An integer that determines the priority of this object type when data from multiple sources is ingested. Lower values take priority. Object types without a specified source priority default to the lowest priority.

Type: Integer

Valid Range: Minimum value of 1.

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]`

Value Length Constraints: Maximum length of 256.

TemplateId

A unique identifier for the object template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example 1

In the request, replace the `Fields` and `Keys` request parameters with your own. If specifying a `TemplateId`, replace it with your own `TemplateId` value. You must either specify both `Fields` and `Keys`, or you can specify `TemplateId`. You can't include all three.

Sample Request

```
PUT /domains/ExampleDomainName/object-types/CustomProfileObjectName HTTP/1.1
```

```
{
  "Description": "Internal ERP System",
  "EncryptionKey": "arn:aws:kms:us-east-1:123456789012:key/1988472d-6b77-4bb6-ae39-efce5EXAMPLE",
  "AllowProfileCreation": false,
  "ExpirationDays": 1000,
  "Fields": {
    "email" : {
      "ContentType": "EMAIL_ADDRESS",
      "Source": "_source.email",
      "Target": "_profile.BusinessEmail"
    },
    "phone" : {
      "ContentType": "PHONE_NUMBER",
      "Source": "_source.phone",
      "Target": "_profile.BusinessPhoneNumber"
    },
    "loyaltyPoints" : {
      "ContentType": "NUMBER",
      "Source": "_source.loyaltypoints",
      "Target": "_profile.Attributes.loyaltypoints"
    }
  }
},
```

```
"Keys": {
  "_email" : [
    {
      "FieldNames": [ "email" ],
      "StandardIdentifiers": [ "PROFILE", "UNIQUE" ]
    }
  ],
  "loyaltypoints" : [
    {
      "FieldNames": [ "loyaltyPoints" ],
      "StandardIdentifiers": [ "PROFILE" ]
    }
  ]
},
"SourcePriority": 2,
"TemplateId": "MyTemplateId"
}
```

Sample Response

```
Content-type: application/json
{
  "CreatedAt": 1479249799770,
  "Description": "Internal ERP System",
  "EncryptionKey": "arn:aws:kms:us-east-1:123456789012:key/1988472d-6b77-4bb6-ae39-efce5EXAMPLE",
  "AllowProfileCreation": "FALSE",
  "ExpirationDays": 100,
  "Fields": {
    "email" : {
      "ContentType": "EMAIL_ADDRESS",
      "Source": "_source.email",
      "Target": "_profile.BusinessEmailAddress"
    },
    "phone" : {
      "ContentType": "PHONE_NUMBER",
      "Source": "_source.phone",
      "Target": "_profile.BusinessPhoneNumber"
    },
    "loyaltyPoints" : {
      "ContentType": "NUMBER",
      "Source": "_source.loyaltypoints",
      "Target": "_profile.Attributes.loyaltypoints"
    }
  }
}
```

```
    }
  },
  "Keys": {
    "email" : [
      {
        "FieldNames": [ "email" ],
        "StandardIdentifiers": [ "PROFILE", "UNIQUE" ]
      }
    ],
    "loyaltypoints" : [
      {
        "FieldNames": [ "loyaltyPoints" ],
        "StandardIdentifiers": [ "PROFILE" ]
      }
    ]
  },
  "LastUpdatedAt": 1479249799770,
  "ObjectTypeName": "CustomProfileObjectTypeName",
  "SourcePriority": 2,
  "TemplateId": "MyTemplateId"
}
```

Example 2

This example illustrates one usage of PutProfileObjectType.

Sample Request

```
PUT /domains/ExampleDomainName/object-types/CTR HTTP/1.1
Content-type: application/json
{
  "Description": "CTR",
  "TemplateId": "CTR-NoInferred"
}
```

Example 2.5

This command associates Contact Records with already existing profiles with the same phone number. In the example below, replace ExampleDomainName with your domain name, and replace the description with your desired description.

Sample Request

```
aws profile put-object-type --domain-name ExampleDomainName --object-type-name CTR --  
description "CTR" --template-id "CTR-NoInferred"
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

SearchProfiles

Searches for profiles within a specific domain using one or more predefined search keys (e.g., `_fullName`, `_phone`, `_email`, `_account`, etc.) and/or custom-defined search keys. A search key is a data type pair that consists of a `KeyName` and `Values` list.

This operation supports searching for profiles with a minimum of 1 key-value(s) pair and up to 5 key-value(s) pairs using either AND or OR logic.

Request Syntax

```
POST /domains/DomainName/profiles/search?max-results=MaxResults&next-token=NextToken
HTTP/1.1
Content-type: application/json

{
  "AdditionalSearchKeys": [
    {
      "KeyName": "string",
      "Values": [ "string" ]
    }
  ],
  "KeyName": "string",
  "LogicalOperator": "string",
  "Values": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

MaxResults

The maximum number of objects returned per page.

The default is 20 if this parameter is not included in the request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The pagination token from the previous SearchProfiles API call.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Request Body

The request accepts the following data in JSON format.

AdditionalSearchKeys

A list of AdditionalSearchKey objects that are each searchable identifiers of a profile. Each AdditionalSearchKey object contains a KeyName and a list of Values associated with that specific key (i.e., a key-value(s) pair). These additional search keys will be used in conjunction with the LogicalOperator and the required KeyName and Values parameters to search for profiles that satisfy the search criteria.

Type: Array of [AdditionalSearchKey](#) objects

Array Members: Minimum number of 1 item. Maximum number of 4 items.

Required: No

KeyName

A searchable identifier of a customer profile. The predefined keys you can use to search include: _account, _profileId, _assetId, _caseId, _orderId, _fullName, _phone, _email, _ctrContactId, _marketoLeadId, _salesforceAccountId, _salesforceContactId, _salesforceAssetId, _zendeskUserId, _zendeskExternalId, _zendeskTicketId, _serviceNowSystemId, _serviceNowIncidentId, _segmentUserId, _shopifyCustomerId, _shopifyOrderId.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

LogicalOperator

Relationship between all specified search keys that will be used to search for profiles. This includes the required `KeyName` and `Values` parameters as well as any key-value(s) pairs specified in the `AdditionalSearchKeys` list.

This parameter influences which profiles will be returned in the response in the following manner:

- AND - The response only includes profiles that match all of the search keys.
- OR - The response includes profiles that match at least one of the search keys.

The OR relationship is the default behavior if this parameter is not included in the request.

Type: String

Valid Values: AND | OR

Required: No

Values

A list of key values.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "Items": [
    {
      "AccountNumber": "string",
      "AdditionalInformation": "string",
      "Address": {
```

```
"Address1": "string",
"Address2": "string",
"Address3": "string",
"Address4": "string",
"City": "string",
"Country": "string",
"County": "string",
"PostalCode": "string",
"Province": "string",
"State": "string"
},
"Attributes": {
  "string" : "string"
},
"BillingAddress": {
  "Address1": "string",
  "Address2": "string",
  "Address3": "string",
  "Address4": "string",
  "City": "string",
  "Country": "string",
  "County": "string",
  "PostalCode": "string",
  "Province": "string",
  "State": "string"
},
"BirthDate": "string",
"BusinessEmailAddress": "string",
"BusinessName": "string",
"BusinessPhoneNumber": "string",
"EmailAddress": "string",
"EngagementPreferences": {
  "Email": [
    {
      "ContactType": "string",
      "KeyName": "string",
      "KeyValue": "string",
      "ProfileId": "string"
    }
  ],
  "Phone": [
    {
      "ContactType": "string",
      "KeyName": "string",
```



```
        "KeyValue": "string",
        "ProfileId": "string"
      }
    ]
  },
  "FirstName": "string",
  "FoundByItems": [
    {
      "KeyName": "string",
      "Values": [ "string" ]
    }
  ],
  "Gender": "string",
  "GenderString": "string",
  "HomePhoneNumber": "string",
  "LastName": "string",
  "MailingAddress": {
    "Address1": "string",
    "Address2": "string",
    "Address3": "string",
    "Address4": "string",
    "City": "string",
    "Country": "string",
    "County": "string",
    "PostalCode": "string",
    "Province": "string",
    "State": "string"
  },
  "MiddleName": "string",
  "MobilePhoneNumber": "string",
  "PartyType": "string",
  "PartyTypeString": "string",
  "PersonalEmailAddress": "string",
  "PhoneNumber": "string",
  "ProfileId": "string",
  "ProfileType": "string",
  "ShippingAddress": {
    "Address1": "string",
    "Address2": "string",
    "Address3": "string",
    "Address4": "string",
    "City": "string",
    "Country": "string",
    "County": "string",
```

```
        "PostalCode": "string",
        "Province": "string",
        "State": "string"
    }
},
"NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Items

The list of Profiles matching the search criteria.

Type: Array of [Profile](#) objects

NextToken

The pagination token from the previous SearchProfiles API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example 1

This example illustrates one usage of SearchProfiles.

Sample Request

```
POST /domains/ExampleDomainName/profiles/search?max-results=10&next-
token=nextTokenString HTTP/1.1
Content-type: application/json

{
  "KeyName": "_phone",
  "Values": ["555-333-7777"]
}
```

Sample Response

```
Content-type: application/json
{
  "NextToken": "5231b533-ba17-4787-98a3-f2df3EXAMPLE",
  "Items": [
    {
      "ProfileId" : "3991a7d95sd248bba82546b2dEXAMPLE",
      "AccountNumber": "ACCT12344",

```

```
"Address": {
  "Address1": "123 Sample St",
  "Address2": "Apt 4",
  "Address3": "",
  "Address4": "",
  "City": "Seattle",
  "Country": "USA",
  "County": "King",
  "PostalCode": "98011",
  "Province": "",
  "State": "WA"
},
"Attributes": {
  "SSN" : "123-44-3433",
  "LoyaltyPoints" : "4000"
},
"BillingAddress": {
  "Address1": "789 Sample St",
  "Address2": "Apt 1",
  "Address3": "",
  "Address4": "",
  "City": "Seattle",
  "Country": "USA",
  "County": "King",
  "PostalCode": "98011",
  "Province": "",
  "State": "WA"
},
"BirthDate": "07/12/1980",
"BusinessEmailAddress": "example@amazon.com",
"BusinessName": "My Awesome Company",
"BusinessPhoneNumber": "555-334-3389",
"EmailAddress": "example@gmail.com",
"FirstName": "John",
"Gender": "MALE",
"HomePhoneNumber": "555-334-3344",
"LastName": "Doe",
"MailingAddress": {
  "Address1": "234 Home St",
  "Address2": "Apt 5",
  "Address3": "",
  "Address4": "",
  "City": "Seattle",
  "Country": "USA",
```

```
        "County": "King",
        "PostalCode": "98011",
        "Province": "",
        "State": "WA"
    },
    "AdditionalInformation": "High Profile Customer",
    "MiddleName": "",
    "MobilePhoneNumber": "555-333-7777",
    "PartyType": "INDIVIDUAL",
    "PersonalEmailAddress": "email1@gmail.com",
    "PhoneNumber": "",
    "ShippingAddress": {
        "Address1": "555 A St",
        "Address2": "Suite 100",
        "Address3": "",
        "Address4": "",
        "City": "Seattle",
        "Country": "USA",
        "County": "King",
        "PostalCode": "98011",
        "Province": "",
        "State": "WA"
    }
},
{
    "ProfileId" : "ef30fad550894e0a95f9d64cbEXAMPLE",
    "AccountNumber": "ACCT12344",
    "Address": {
        "Address1": "123 Sample St",
        "Address2": "Apt 4",
        "Address3": "",
        "Address4": "",
        "City": "Seattle",
        "Country": "USA",
        "County": "King",
        "PostalCode": "98011",
        "Province": "",
        "State": "WA"
    },
    "Attributes": {
        "SSN" : "123-44-3433",
        "LoyaltyPoints" : "4000"
    },
    "BillingAddress": {
```

```
"Address1": "789 Sample St",
"Address2": "Apt 1",
"Address3": "",
"Address4": "",
"City": "Seattle",
"Country": "USA",
"County": "King",
"PostalCode": "98011",
"Province": "",
"State": "WA"
},
"BirthDate": "07/12/1980",
"BusinessEmailAddress": "example@amazon.com",
"BusinessName": "My Awesome Company",
"BusinessPhoneNumber": "555-334-3389",
"EmailAddress": "example@gmail.com",
"FirstName": "John",
"Gender": "MALE",
"HomePhoneNumber": "555-334-3344",
"LastName": "Doe",
"MailingAddress": {
  "Address1": "234 Home St",
  "Address2": "Apt 5",
  "Address3": "",
  "Address4": "",
  "City": "Seattle",
  "Country": "USA",
  "County": "King",
  "PostalCode": "98011",
  "Province": "",
  "State": "WA"
},
"AdditionalInformation": "High Profile Customer",
"MiddleName": "",
"MobilePhoneNumber": "555-333-7777",
"PartyType": "INDIVIDUAL",
"PersonalEmailAddress": "email1@gmail.com",
"PhoneNumber": "",
"ShippingAddress": {
  "Address1": "555 A St",
  "Address2": "Suite 100",
  "Address3": "",
  "Address4": "",
  "City": "Seattle",
```

```
        "Country": "USA",
        "County": "King",
        "PostalCode": "98011",
        "Province": "",
        "State": "WA"
    }
}
]
```

Example 2

This example illustrates one usage of SearchProfiles.

Sample Request

```
POST /domains/ExampleDomainName/profiles/search?max-results=10&next-
token=nextTokenString HTTP/1.1
Content-type: application/json
```

```
{
  "KeyName": "_email",
  "Values": ["email1@gmail.com"]
}
```

Sample Response

```
Content-type: application/json
{
  "NextToken": "5231b533-ba17-4787-98a3-f2df3EXAMPLE",
  "Items": [
    {
      "ProfileId" : "ef30fad55099ee0a95f9d64cbEXAMPLE",
      "AccountNumber": "ACCT12344",
      "Address": {
        "Address1": "123 Sample St",
        "Address2": "Apt 4",
        "Address3": "",
        "Address4": "",
        "City": "Seattle",
        "Country": "USA",
        "County": "King",
        "PostalCode": "98011",
```

```
    "Province": "",
    "State": "WA"
  },
  "Attributes": {
    "SSN" : "123-44-3433",
    "LoyaltyPoints" : "4000"
  },
  "BillingAddress": {
    "Address1": "789 Sample St",
    "Address2": "Apt 1",
    "Address3": "",
    "Address4": "",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
    "State": "WA"
  },
  "BirthDate": "07/12/1980",
  "BusinessEmailAddress": "example@amazon.com",
  "BusinessName": "My Awesome Company",
  "BusinessPhoneNumber": "555-334-3389",
  "EmailAddress": "example@gmail.com",
  "FirstName": "John",
  "Gender": "MALE",
  "HomePhoneNumber": "555-334-3344",
  "LastName": "Doe",
  "MailingAddress": {
    "Address1": "234 Home St",
    "Address2": "Apt 5",
    "Address3": "",
    "Address4": "",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
    "State": "WA"
  },
  "AdditionalInformation": "High Profile Customer",
  "MiddleName": "",
  "MobilePhoneNumber": "555-333-7777",
  "PartyType": "INDIVIDUAL",
```



```
"PersonalEmailAddress": "email5@gmail.com",
"PhoneNumber": "",
"ShippingAddress": {
  "Address1": "555 A St",
  "Address2": "Suite 100",
  "Address3": "",
  "Address4": "",
  "City": "Seattle",
  "Country": "USA",
  "County": "King",
  "PostalCode": "98011",
  "Province": "",
  "State": "WA"
},
{
  "ProfileId" : "3991a7d959d238bba82546b2dEXAMPLE",
  "AccountNumber": "ACCT12344",
  "Address": {
    "Address1": "123 Sample St",
    "Address2": "Apt 4",
    "Address3": "",
    "Address4": "",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
    "State": "WA"
  },
  "Attributes": {
    "SSN" : "123-44-3433",
    "LoyaltyPoints" : "4000"
  },
  "BillingAddress": {
    "Address1": "789 Sample St",
    "Address2": "Apt 1",
    "Address3": "",
    "Address4": "",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
```

```
    "State": "WA"
  },
  "BirthDate": "07/12/1980",
  "BusinessEmailAddress": "example@amazon.com",
  "BusinessName": "My Awesome Company",
  "BusinessPhoneNumber": "555-334-3389",
  "EmailAddress": "example@gmail.com",
  "FirstName": "John",
  "Gender": "MALE",
  "HomePhoneNumber": "555-334-3344",
  "LastName": "Doe",
  "MailingAddress": {
    "Address1": "234 Home St",
    "Address2": "Apt 5",
    "Address3": "",
    "Address4": "",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
    "State": "WA"
  },
  "AdditionalInformation": "High Profile Customer",
  "MiddleName": "",
  "MobilePhoneNumber": "555-333-7777",
  "PartyType": "INDIVIDUAL",
  "PersonalEmailAddress": "email1@gmail.com",
  "PhoneNumber": "",
  "ShippingAddress": {
    "Address1": "555 A St",
    "Address2": "Suite 100",
    "Address3": "",
    "Address4": "",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
    "State": "WA"
  }
}
]
```

```
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
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- [AWS SDK for Java V2](#)
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- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
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- [AWS SDK for Ruby V3](#)

StartRecommender

Starts a recommender that was previously stopped. Starting a recommender resumes its ability to generate recommendations.

Request Syntax

```
PUT /domains/DomainName/recommenders/RecommenderName/start HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderName

The name of the recommender to start.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

StartUploadJob

This API starts the processing of an upload job to ingest profile data.

Request Syntax

```
PUT /domains/DomainName/upload-jobs/JobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain containing the upload job to start.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

JobId

The unique identifier of the upload job to start.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

StopRecommender

Stops a recommender, suspending its ability to generate recommendations. The recommender can be restarted later using StartRecommender.

Request Syntax

```
PUT /domains/DomainName/recommenders/RecommenderName/stop HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderName

The name of the recommender to stop.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

StopUploadJob

This API stops the processing of an upload job.

Request Syntax

```
PUT /domains/DomainName/upload-jobs/JobId/stop HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain containing the upload job to stop.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

JobId

The unique identifier of the upload job to stop.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

TagResource

Assigns one or more tags (key-value pairs) to the specified Amazon Connect Customer Profiles resource. Tags can help you organize and categorize your resources. You can also use them to scope user permissions by granting a user permission to access or change only resources with certain tag values. In Connect Customer Profiles, domains, profile object types, and integrations can be tagged.

Tags don't have any semantic meaning to AWS and are interpreted strictly as strings of characters.

You can use the TagResource action with a resource that already has tags. If you specify a new tag key, this tag is appended to the list of tags associated with the resource. If you specify a tag key that is already associated with the resource, the new tag value that you specify replaces the previous value for that tag.

You can associate as many as 50 tags with a resource.

Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json

{
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource that you're adding tags to.

Length Constraints: Maximum length of 256.

Pattern: `^arn:[a-z0-9]{1,10}:profile`

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UntagResource

Removes one or more tags from the specified Amazon Connect Customer Profiles resource. In Connect Customer Profiles, domains, profile object types, and integrations can be tagged.

Request Syntax

```
DELETE /tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource from which you are removing tags.

Length Constraints: Maximum length of 256.

Pattern: `^arn:[a-z0-9]{1,10}:profile`

Required: Yes

tagKeys

The list of tag keys to remove from the resource.

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

UpdateCalculatedAttributeDefinition

Updates an existing calculated attribute definition. When updating the Conditions, note that increasing the date range of a calculated attribute will not trigger inclusion of historical data greater than the current date range.

Request Syntax

```
PUT /domains/DomainName/calculated-attributes/CalculatedAttributeName HTTP/1.1
Content-type: application/json
```

```
{
  "Conditions": {
    "ObjectCount": number,
    "Range": {
      "TimestampFormat": "string",
      "TimestampSource": "string",
      "Unit": "string",
      "Value": number,
      "ValueRange": {
        "End": number,
        "Start": number
      }
    },
    "Threshold": {
      "Operator": "string",
      "Value": "string"
    }
  },
  "Description": "string",
  "DisplayName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

CalculatedAttributeName

The unique name of the calculated attribute.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Conditions

The conditions including range, object count, and threshold for the calculated attribute.

Type: [Conditions](#) object

Required: No

Description

The description of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

DisplayName

The display name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

Required: No

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "AttributeDetails": {
    "Attributes": [
      {
        "Name": "string"
      }
    ],
    "Expression": "string"
  },
  "CalculatedAttributeName": "string",
  "Conditions": {
    "ObjectCount": number,
    "Range": {
      "TimestampFormat": "string",
      "TimestampSource": "string",
      "Unit": "string",
      "Value": number,
      "ValueRange": {
        "End": number,
        "Start": number
      }
    },
    "Threshold": {
      "Operator": "string",
      "Value": "string"
    }
  },
  "CreatedAt": number,
  "Description": "string",
  "DisplayName": "string",
  "LastUpdatedAt": number,
  "Readiness": {
    "Message": "string",
    "ProgressPercentage": number
  }
}
```



```
{,
  "Statistic": "string",
  "Status": "string",
  "Tags": {
    "string" : "string"
  },
  "UseHistoricalData": boolean
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AttributeDetails

The mathematical expression and a list of attribute items specified in that expression.

Type: [AttributeDetails](#) object

CalculatedAttributeName

The unique name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Conditions

The conditions including range, object count, and threshold for the calculated attribute.

Type: [Conditions](#) object

CreatedAt

The timestamp of when the calculated attribute definition was created.

Type: Timestamp

Description

The description of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

DisplayName

The display name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

LastUpdatedAt

The timestamp of when the calculated attribute definition was most recently edited.

Type: Timestamp

Readiness

Information indicating if the Calculated Attribute is ready for use by confirming all historical data has been processed and reflected.

Type: [Readiness](#) object

Statistic

The aggregation operation to perform for the calculated attribute.

Type: String

Valid Values: FIRST_OCCURRENCE | LAST_OCCURRENCE | COUNT | SUM | MINIMUM | MAXIMUM | AVERAGE | MAX_OCCURRENCE

Status

Status of the Calculated Attribute creation (whether all historical data has been indexed.)

Type: String

Valid Values: PREPARING | IN_PROGRESS | COMPLETED | FAILED

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

UseHistoricalData

Whether historical data ingested before the Calculated Attribute was created should be included in calculations.

Type: Boolean

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateDomain

Updates the properties of a domain, including creating or selecting a dead letter queue or an encryption key.

After a domain is created, the name can't be changed.

Use this API or [CreateDomain](#) to enable [identity resolution](#): set Matching to true.

To prevent cross-service impersonation when you call this API, see [Cross-service confused deputy prevention](#) for sample policies that you should apply.

To add or remove tags on an existing Domain, see [TagResource](#)/[UntagResource](#).

Request Syntax

```
PUT /domains/DomainName HTTP/1.1
Content-type: application/json

{
  "DataStore": {
    "Enabled": boolean
  },
  "DeadLetterQueueUrl": "string",
  "DefaultEncryptionKey": "string",
  "DefaultExpirationDays": number,
  "Matching": {
    "AutoMerging": {
      "ConflictResolution": {
        "ConflictResolvingModel": "string",
        "SourceName": "string"
      },
      "Consolidation": {
        "MatchingAttributesList": [
          [ "string" ]
        ]
      },
      "Enabled": boolean,
      "MinAllowedConfidenceScoreForMerging": number
    },
    "Enabled": boolean,
    "ExportingConfig": {
      "S3Exporting": {
```

```

        "S3BucketName": "string",
        "S3KeyName": "string"
    },
    },
    "JobSchedule": {
        "DayOfTheWeek": "string",
        "Time": "string"
    }
},
"RuleBasedMatching": {
    "AttributeTypesSelector": {
        "Address": [ "string" ],
        "AttributeMatchingModel": "string",
        "EmailAddress": [ "string" ],
        "PhoneNumber": [ "string" ]
    },
    "ConflictResolution": {
        "ConflictResolvingModel": "string",
        "SourceName": "string"
    },
    },
    "Enabled": boolean,
    "ExportingConfig": {
        "S3Exporting": {
            "S3BucketName": "string",
            "S3KeyName": "string"
        }
    },
    },
    "MatchingRules": [
        {
            "Rule": [ "string" ]
        }
    ],
    "MaxAllowedRuleLevelForMatching": number,
    "MaxAllowedRuleLevelForMerging": number
},
"Tags": {
    "string" : "string"
}
}

```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

DataStore

Set to true to enabled data store for this domain.

Type: [DataStoreRequest](#) object

Required: No

DeadLetterQueueUrl

The URL of the SQS dead letter queue, which is used for reporting errors associated with ingesting data from third party applications. If specified as an empty string, it will clear any existing value. You must set up a policy on the DeadLetterQueue for the SendMessage operation to enable Amazon Connect Customer Profiles to send messages to the DeadLetterQueue.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

DefaultEncryptionKey

The default encryption key, which is an AWS managed key, is used when no specific type of encryption key is specified. It is used to encrypt all data before it is placed in permanent or semi-permanent storage. If specified as an empty string, it will clear any existing value.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

DefaultExpirationDays

The default number of days until the data within the domain expires.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1098.

Required: No

Matching

The process of matching duplicate profiles. If `Matching = true`, Amazon Connect Customer Profiles starts a weekly batch process called Identity Resolution Job. If you do not specify a date and time for Identity Resolution Job to run, by default it runs every Saturday at 12AM UTC to detect duplicate profiles in your domains.

After the Identity Resolution Job completes, use the [GetMatches](#) API to return and review the results. Or, if you have configured `ExportingConfig` in the `MatchingRequest`, you can download the results from S3.

Type: [MatchingRequest](#) object

Required: No

RuleBasedMatching

The process of matching duplicate profiles using the rule-Based matching. If `RuleBasedMatching = true`, Connect Customer Customer Profiles will start to match and merge your profiles according to your configuration in the `RuleBasedMatchingRequest`. You can use the `ListRuleBasedMatches` and `GetSimilarProfiles` API to return and review the results. Also, if you have configured `ExportingConfig` in the `RuleBasedMatchingRequest`, you can download the results from S3.

Type: [RuleBasedMatchingRequest](#) object

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]`

Value Length Constraints: Maximum length of 256.

Required: No

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "CreatedAt": number,
  "DataStore": {
    "Enabled": boolean,
    "Readiness": {
      "Message": "string",
      "ProgressPercentage": number
    }
  },
  "DeadLetterQueueUrl": "string",
  "DefaultEncryptionKey": "string",
  "DefaultExpirationDays": number,
  "DomainName": "string",
  "LastUpdatedAt": number,
  "Matching": {
    "AutoMerging": {
      "ConflictResolution": {
        "ConflictResolvingModel": "string",
        "SourceName": "string"
      },
      "Consolidation": {
        "MatchingAttributesList": [
          "string"
        ]
      }
    },
    "Enabled": boolean,
    "MinAllowedConfidenceScoreForMerging": number
  },
}
```

```
"Enabled": boolean,
"ExportingConfig": {
  "S3Exporting": {
    "S3BucketName": "string",
    "S3KeyName": "string"
  }
},
"JobSchedule": {
  "DayOfTheWeek": "string",
  "Time": "string"
}
},
"RuleBasedMatching": {
  "AttributeTypesSelector": {
    "Address": [ "string " ],
    "AttributeMatchingModel": "string",
    "EmailAddress": [ "string " ],
    "PhoneNumber": [ "string " ]
  },
  "ConflictResolution": {
    "ConflictResolvingModel": "string",
    "SourceName": "string"
  },
  "Enabled": boolean,
  "ExportingConfig": {
    "S3Exporting": {
      "S3BucketName": "string",
      "S3KeyName": "string"
    }
  },
  "MatchingRules": [
    {
      "Rule": [ "string " ]
    }
  ],
  "MaxAllowedRuleLevelForMatching": number,
  "MaxAllowedRuleLevelForMerging": number,
  "Status": "string"
},
"Tags": {
  "string" : "string"
}
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the domain was created.

Type: Timestamp

DataStore

The data store.

Type: [DataStoreResponse](#) object

DeadLetterQueueUrl

The URL of the SQS dead letter queue, which is used for reporting errors associated with ingesting data from third party applications.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

DefaultEncryptionKey

The default encryption key, which is an AWS managed key, is used when no specific type of encryption key is specified. It is used to encrypt all data before it is placed in permanent or semi-permanent storage.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

DefaultExpirationDays

The default number of days until the data within the domain expires.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1098.

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

LastUpdatedAt

The timestamp of when the domain was most recently edited.

Type: Timestamp

Matching

The process of matching duplicate profiles. If `Matching = true`, Amazon Connect Customer Profiles starts a weekly batch process called Identity Resolution Job. If you do not specify a date and time for Identity Resolution Job to run, by default it runs every Saturday at 12AM UTC to detect duplicate profiles in your domains.

After the Identity Resolution Job completes, use the [GetMatches](#) API to return and review the results. Or, if you have configured `ExportingConfig` in the `MatchingRequest`, you can download the results from S3.

Type: [MatchingResponse](#) object

RuleBasedMatching

The process of matching duplicate profiles using the rule-Based matching. If `RuleBasedMatching = true`, Connect Customer Customer Profiles will start to match and merge your profiles according to your configuration in the `RuleBasedMatchingRequest`. You can use the `ListRuleBasedMatches` and `GetSimilarProfiles` API to return and review the results. Also, if you have configured `ExportingConfig` in the `RuleBasedMatchingRequest`, you can download the results from S3.

Type: [RuleBasedMatchingResponse](#) object

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of UpdateDomain.

Sample Request

```
PUT /v1/domains/ExampleDomainName

Content-type: application/json
{
  "DeadLetterQueueUrl": "https://sqs.us-east-1.amazonaws.com/123456789012/DLQName",
  "DefaultEncryptionKey": "arn:aws:kms:us-east-1:123456789012:key/1988472d-6b77-4bb6-ae39-efce5EXAMPLE",
  "DefaultExpirationDays": 200
}
```

Sample Response

```
Content-type: application/json
{
  "DeadLetterQueueUrl": "https://sqs.us-east-1.amazonaws.com/123456789012/DLQName",
  "CreatedAt": 1579249799770,
  "DefaultEncryptionKey": "arn:aws:kms:us-east-1:123456789012:key/1988472d-6b77-4bb6-ae39-efce5EXAMPLE",
  "DefaultExpirationDays": 200,
  "LastUpdatedAt": 1579249799770,
  "DomainName": "ExampleDomainName"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateDomainLayout

Updates the layout used to view data for a specific domain. This API can only be invoked from the Amazon Connect admin website.

Request Syntax

```
PUT /domains/DomainName/layouts/LayoutDefinitionName HTTP/1.1
Content-type: application/json
```

```
{
  "Description": "string",
  "DisplayName": "string",
  "IsDefault": boolean,
  "Layout": "string",
  "LayoutType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

LayoutDefinitionName

The unique name of the layout.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

The description of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

DisplayName

The display name of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

Required: No

IsDefault

If set to true for a layout, this layout will be used by default to view data. If set to false, then the layout will not be used by default, but it can be used to view data by explicitly selecting it in the console.

Type: Boolean

Required: No

Layout

A customizable layout that can be used to view data under a Customer Profiles domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000000.

Required: No

LayoutType

The type of layout that can be used to view data under a Customer Profiles domain.

Type: String

Valid Values: PROFILE_EXPLORER

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CreatedAt": number,
  "Description": "string",
  "DisplayName": "string",
  "IsDefault": boolean,
  "LastUpdatedAt": number,
  "Layout": "string",
  "LayoutDefinitionName": "string",
  "LayoutType": "string",
  "Tags": {
    "string" : "string"
  },
  "Version": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the layout was created.

Type: Timestamp

Description

The description of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

DisplayName

The display name of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

IsDefault

If set to true for a layout, this layout will be used by default to view data. If set to false, then the layout will not be used by default, but it can be used to view data by explicitly selecting it in the console.

Type: Boolean

LastUpdatedAt

The timestamp of when the layout was most recently updated.

Type: Timestamp

Layout

A customizable layout that can be used to view data under a Customer Profiles domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000000.

LayoutDefinitionName

The unique name of the layout.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

LayoutType

The type of layout that can be used to view data under a Customer Profiles domain.

Type: String

Valid Values: PROFILE_EXPLORER

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Version

The version used to create layout.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateEventTrigger

Update the properties of an Event Trigger.

Request Syntax

PUT /domains/*DomainName*/event-triggers/*EventTriggerName* HTTP/1.1

Content-type: application/json

```
{
  "Description": "string",
  "EventTriggerConditions": [
    {
      "EventTriggerDimensions": [
        {
          "ObjectAttributes": [
            {
              "ComparisonOperator": "string",
              "FieldName": "string",
              "Source": "string",
              "Values": [ "string" ]
            }
          ]
        }
      ],
      "LogicalOperator": "string"
    }
  ],
  "EventTriggerLimits": {
    "EventExpiration": number,
    "Periods": [
      {
        "MaxInvocationsPerProfile": number,
        "Unit": "string",
        "Unlimited": boolean,
        "Value": number
      }
    ]
  },
  "ObjectTypeName": "string",
  "SegmentFilter": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

EventTriggerName

The unique name of the event trigger.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

The description of the event trigger.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

EventTriggerConditions

A list of conditions that determine when an event should trigger the destination.

Type: Array of [EventTriggerCondition](#) objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

EventTriggerLimits

Defines limits controlling whether an event triggers the destination, based on ingestion latency and the number of invocations per profile over specific time periods.

Type: [EventTriggerLimits](#) object

Required: No

ObjectTypeName

The unique name of the object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

SegmentFilter

The destination is triggered only for profiles that meet the criteria of a segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "CreatedAt": number,
```



```

{
  "Description": "string",
  "EventTriggerConditions": [
    {
      "EventTriggerDimensions": [
        {
          "ObjectAttributes": [
            {
              "ComparisonOperator": "string",
              "FieldName": "string",
              "Source": "string",
              "Values": [ "string" ]
            }
          ]
        }
      ],
      "LogicalOperator": "string"
    }
  ],
  "EventTriggerLimits": {
    "EventExpiration": number,
    "Periods": [
      {
        "MaxInvocationsPerProfile": number,
        "Unit": "string",
        "Unlimited": boolean,
        "Value": number
      }
    ]
  },
  "EventTriggerName": "string",
  "LastUpdatedAt": number,
  "ObjectTypeName": "string",
  "SegmentFilter": "string",
  "Tags": {
    "string" : "string"
  }
}

```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreatedAt

The timestamp of when the event trigger was created.

Type: Timestamp

Description

The description of the event trigger.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

EventTriggerConditions

A list of conditions that determine when an event should trigger the destination.

Type: Array of [EventTriggerCondition](#) objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

EventTriggerLimits

Defines limits controlling whether an event triggers the destination, based on ingestion latency and the number of invocations per profile over specific time periods.

Type: [EventTriggerLimits](#) object

EventTriggerName

The unique name of the event trigger.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

LastUpdatedAt

The timestamp of when the event trigger was most recently updated.

Type: Timestamp

ObjectTypeName

The unique name of the object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

SegmentFilter

The destination is triggered only for profiles that meet the criteria of a segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Tags

An array of key-value pairs to apply to this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateProfile

Updates the properties of a profile. The ProfileId is required for updating a customer profile.

When calling the UpdateProfile API, specifying an empty string value means that any existing value will be removed. Not specifying a string value means that any value already there will be kept.

Request Syntax

```
PUT /domains/DomainName/profiles HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "AccountNumber": "string",
  "AdditionalInformation": "string",
  "Address": {
    "Address1": "string",
    "Address2": "string",
    "Address3": "string",
    "Address4": "string",
    "City": "string",
    "Country": "string",
    "County": "string",
    "PostalCode": "string",
    "Province": "string",
    "State": "string"
  },
  "Attributes": {
    "string" : "string"
  },
  "BillingAddress": {
    "Address1": "string",
    "Address2": "string",
    "Address3": "string",
    "Address4": "string",
    "City": "string",
    "Country": "string",
    "County": "string",
    "PostalCode": "string",
    "Province": "string",
    "State": "string"
  },
  "BirthDate": "string",
```

```
"BusinessEmailAddress": "string",
"BusinessName": "string",
"BusinessPhoneNumber": "string",
"EmailAddress": "string",
"EngagementPreferences": {
  "Email": [
    {
      "ContactType": "string",
      "KeyName": "string",
      "KeyValue": "string",
      "ProfileId": "string"
    }
  ],
  "Phone": [
    {
      "ContactType": "string",
      "KeyName": "string",
      "KeyValue": "string",
      "ProfileId": "string"
    }
  ]
},
"FirstName": "string",
"Gender": "string",
"GenderString": "string",
"HomePhoneNumber": "string",
"LastName": "string",
"MailingAddress": {
  "Address1": "string",
  "Address2": "string",
  "Address3": "string",
  "Address4": "string",
  "City": "string",
  "Country": "string",
  "County": "string",
  "PostalCode": "string",
  "Province": "string",
  "State": "string"
},
"MiddleName": "string",
"MobilePhoneNumber": "string",
"PartyType": "string",
"PartyTypeString": "string",
"PersonalEmailAddress": "string",
```

```
"PhoneNumber": "string",
"ProfileId": "string",
"ProfileType": "string",
"ShippingAddress": {
  "Address1": "string",
  "Address2": "string",
  "Address3": "string",
  "Address4": "string",
  "City": "string",
  "Country": "string",
  "County": "string",
  "PostalCode": "string",
  "Province": "string",
  "State": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AccountNumber

An account number that you have assigned to the customer.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

AdditionalInformation

Any additional information relevant to the customer's profile.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Required: No

Address

A generic address associated with the customer that is not mailing, shipping, or billing.

Type: [UpdateAddress](#) object

Required: No

Attributes

A key value pair of attributes of a customer profile.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Value Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

BillingAddress

The customer's billing address.

Type: [UpdateAddress](#) object

Required: No

BirthDate

The customer's birth date.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

BusinessEmailAddress

The customer's business email address.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

BusinessName

The name of the customer's business.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

BusinessPhoneNumber

The customer's business phone number.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

EmailAddress

The customer's email address, which has not been specified as a personal or business address.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

EngagementPreferences

Object that defines users preferred methods of engagement.

Type: [EngagementPreferences](#) object

Required: No

FirstName

The customer's first name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

Gender

This parameter has been deprecated.

The gender with which the customer identifies.

Type: String

Valid Values: MALE | FEMALE | UNSPECIFIED

Required: No

GenderString

An alternative to Gender which accepts any string as input.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

HomePhoneNumber

The customer's home phone number.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

LastName

The customer's last name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

MailingAddress

The customer's mailing address.

Type: UpdateAddress object

Required: No

MiddleName

The customer's middle name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

MobilePhoneNumber

The customer's mobile phone number.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

PartyType

This parameter has been deprecated.

The type of profile used to describe the customer.

Type: String

Valid Values: INDIVIDUAL | BUSINESS | OTHER

Required: No

PartyTypeString

An alternative to PartyType which accepts any string as input.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

PersonalEmailAddress

The customer's personal email address.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

PhoneNumber

The customer's phone number, which has not been specified as a mobile, home, or business number.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

ProfileId

The unique identifier of a customer profile.

Type: String

Pattern: [a-f0-9]{32}

Required: Yes

ProfileType

Determines the type of the profile.

Type: String

Valid Values: ACCOUNT_PROFILE | PROFILE

Required: No

ShippingAddress

The customer's shipping address.

Type: [UpdateAddress](#) object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "ProfileId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[ProfileId](#)

The unique identifier of a customer profile.

Type: String

Pattern: [a-f0-9]{32}

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerErrorException

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of UpdateProfile.

Sample Request

```
PUT /domains/ExampleDomainName/profiles HTTP/1.1

Content-type: application/json
{
  "ProfileId" : "3991a7d95sd248bba82546b2dEXAMPLE",
  "AccountNumber": "ACCT12344",
  "Address": {
    "Address1": "444 B St",
    "Address2": "Apt 8",
    "Address3": "",
    "Address4": "",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
    "State": "WA"
  },
  "Attributes": {
```

```
"SSN" : "123-44-3433",
"LoyaltyPoints" : "3000"
},
"BillingAddress": {
  "Address1": "789 Sample St",
  "Address2": "Apt 1",
  "Address3": "",
  "Address4": "",
  "City": "Seattle",
  "Country": "USA",
  "County": "King",
  "PostalCode": "98011",
  "Province": "",
  "State": "WA"
},
"BirthDate": "07/12/1980",
"BusinessEmailAddress": "example@amazon.com",
"BusinessName": "My Awesome Company",
"BusinessPhoneNumber": "555-334-3389",
"EmailAddress": "example@gmail.com",
"FirstName": "John",
"Gender": "MALE",
"HomePhoneNumber": "555-334-3344",
"LastName": "Doe",
"MailingAddress": {
  "Address1": "234 Home St",
  "Address2": "Apt 5",
  "Address3": "",
  "Address4": "",
  "City": "Seattle",
  "Country": "USA",
  "County": "King",
  "PostalCode": "98011",
  "Province": "",
  "State": "WA"
},
"AdditionalInformation": "High Profile Customer",
"MiddleName": "",
"MobilePhoneNumber": "555-334-7777",
"PartyType": "INDIVIDUAL",
"PersonalEmailAddress": "email1@gmail.com",
"PhoneNumber": "",
"ShippingAddress": {
  "Address1": "555 A St",
```

```
    "Address2": "Suite 100",
    "Address3": "",
    "Address4": "",
    "City": "Seattle",
    "Country": "USA",
    "County": "King",
    "PostalCode": "98011",
    "Province": "",
    "State": "WA"
  }
}
```

Sample Response

```
Content-type: application/json
{
  "ProfileId" : "3991a7d95sd248bba82546b2dEXAMPLE"
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateRecommender

Updates the properties of an existing recommender, allowing you to modify its configuration and description.

Request Syntax

```
PATCH /domains/DomainName/recommenders/RecommenderName HTTP/1.1
Content-type: application/json
```

```
{
  "Description": "string",
  "RecommenderConfig": {
    "EventsConfig": {
      "EventParametersList": [
        {
          "EventType": "string",
          "EventValueThreshold": number,
          "EventWeight": number
        }
      ]
    },
    "IncludedColumns": {
      "string" : [ "string" ]
    },
    "InferenceConfig": {
      "MinProvisionedTPS": number
    },
    "TrainingFrequency": number
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

DomainName

The unique name of the domain.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

RecommenderName

The name of the recommender to update.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

The new description to assign to the recommender.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

RecommenderConfig

The new configuration settings to apply to the recommender, including updated parameters and settings that define its behavior.

Type: [RecommenderConfig](#) object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
"RecommenderName": "string"  
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[RecommenderName](#)

The name of the recommender that was updated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

BadRequestException

The input you provided is invalid.

HTTP Status Code: 400

InternalServerError

An internal service error occurred.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource does not exist, or access was denied.

HTTP Status Code: 404

ThrottlingException

You exceeded the maximum number of requests.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

Data Types

The Amazon Connect Customer Profiles API contains several data types that various actions use. This section describes each data type in detail.

Note

The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [AdditionalSearchKey](#)
- [Address](#)
- [AddressDimension](#)
- [AppflowIntegration](#)
- [AppflowIntegrationWorkflowAttributes](#)
- [AppflowIntegrationWorkflowMetrics](#)
- [AppflowIntegrationWorkflowStep](#)
- [AttributeDetails](#)
- [AttributeDimension](#)
- [AttributeItem](#)
- [AttributeTypesSelector](#)
- [AttributeValueItem](#)
- [AutoMerging](#)
- [Batch](#)
- [BatchGetCalculatedAttributeForProfileError](#)
- [BatchGetProfileError](#)
- [CalculatedAttributeDimension](#)
- [CalculatedAttributeValue](#)
- [CatalogItem](#)
- [ConditionOverrides](#)

- [Conditions](#)
- [ConflictResolution](#)
- [ConnectorOperator](#)
- [Consolidation](#)
- [ContactPreference](#)
- [DataStoreRequest](#)
- [DataStoreResponse](#)
- [DateDimension](#)
- [DestinationSummary](#)
- [DetectedProfileObjectType](#)
- [Dimension](#)
- [DomainObjectTypeField](#)
- [DomainObjectTypesListItem](#)
- [DomainStats](#)
- [EngagementPreferences](#)
- [EventParameters](#)
- [EventsConfig](#)
- [EventStreamDestinationDetails](#)
- [EventStreamSummary](#)
- [EventTriggerCondition](#)
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- [ExportingConfig](#)
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- [FilterGroup](#)
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- [GetObjectTypeAttributeStatisticsPercentiles](#)
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- [LayoutItem](#)
- [ListCalculatedAttributeDefinitionItem](#)
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- [ListDomainItem](#)
- [ListIntegrationItem](#)
- [ListObjectTypeAttributeItem](#)
- [ListObjectTypeAttributeValuesItem](#)
- [ListProfileObjectsItem](#)
- [ListProfileObjectTypeItem](#)
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- [MatchingRule](#)
- [MatchItem](#)
- [MetadataConfig](#)
- [ObjectAttribute](#)

- [ObjectFilter](#)
- [ObjectTypeField](#)
- [ObjectTypeKey](#)
- [Period](#)
- [Profile](#)
- [ProfileAttributes](#)
- [ProfileDimension](#)
- [ProfileHistoryRecord](#)
- [ProfileQueryFailures](#)
- [ProfileQueryResult](#)
- [ProfileTypeDimension](#)
- [Range](#)
- [RangeOverride](#)
- [Readiness](#)
- [Recommendation](#)
- [RecommenderConfig](#)
- [RecommenderFilter](#)
- [RecommenderFilterSummary](#)
- [RecommenderPromotionalFilter](#)
- [RecommenderRecipe](#)
- [RecommenderSchemaField](#)
- [RecommenderSchemaSummary](#)
- [RecommenderSummary](#)
- [RecommenderUpdate](#)
- [ResultsSummary](#)
- [RuleBasedMatchingRequest](#)
- [RuleBasedMatchingResponse](#)
- [S3ExportingConfig](#)
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- [SalesforceSourceProperties](#)
- [ScheduledTriggerProperties](#)
- [SegmentDefinitionItem](#)
- [SegmentGroup](#)
- [SegmentGroupStructure](#)
- [SegmentSort](#)
- [ServiceNowSourceProperties](#)
- [SortAttribute](#)
- [SourceConnectorProperties](#)
- [SourceFlowConfig](#)
- [SourceSegment](#)
- [Task](#)
- [Threshold](#)
- [TrainingMetrics](#)
- [TriggerConfig](#)
- [TriggerProperties](#)
- [UpdateAddress](#)
- [UploadJobItem](#)
- [ValueRange](#)
- [WorkflowAttributes](#)
- [WorkflowMetrics](#)
- [WorkflowStepItem](#)
- [ZendeskSourceProperties](#)

AdditionalSearchKey

A data type pair that consists of a `KeyName` and `Values` list that is used in conjunction with the [KeyName](#) and [Values](#) parameters to search for profiles using the [SearchProfiles](#) API.

Contents

KeyName

A searchable identifier of a customer profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Values

A list of key values.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Address

A generic address associated with the customer that is not mailing, shipping, or billing.

Contents

Address1

The first line of a customer address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Address2

The second line of a customer address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Address3

The third line of a customer address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Address4

The fourth line of a customer address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

City

The city in which a customer lives.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Country

The country in which a customer lives.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

County

The county in which a customer lives.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

PostalCode

The postal code of a customer address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Province

The province in which a customer lives.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

State

The state in which a customer lives.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AddressDimension

Object that segments on Customer Profile's address object.

Contents

City

The city belonging to the address.

Type: [ProfileDimension](#) object

Required: No

Country

The country belonging to the address.

Type: [ProfileDimension](#) object

Required: No

County

The county belonging to the address.

Type: [ProfileDimension](#) object

Required: No

PostalCode

The postal code belonging to the address.

Type: [ProfileDimension](#) object

Required: No

Province

The province belonging to the address.

Type: [ProfileDimension](#) object

Required: No

State

The state belonging to the address.

Type: [ProfileDimension](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AppflowIntegration

Details for workflow of type APPFLOW_INTEGRATION.

Contents

FlowDefinition

The configurations that control how Customer Profiles retrieves data from the source, Amazon AppFlow. Customer Profiles uses this information to create an AppFlow flow on behalf of customers.

Type: [FlowDefinition](#) object

Required: Yes

Batches

Batches in workflow of type APPFLOW_INTEGRATION.

Type: Array of [Batch](#) objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AppflowIntegrationWorkflowAttributes

Structure holding all APPFLOW_INTEGRATION specific workflow attributes.

Contents

ConnectorProfileName

The name of the AppFlow connector profile used for ingestion.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=. - ]+`

Required: Yes

SourceConnectorType

Specifies the source connector type, such as Salesforce, ServiceNow, and Marketo. Indicates source of ingestion.

Type: String

Valid Values: Salesforce | Marketo | Zendesk | Servicenow | S3

Required: Yes

RoleArn

The Amazon Resource Name (ARN) of the IAM role. Customer Profiles assumes this role to create resources on your behalf as part of workflow execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AppflowIntegrationWorkflowMetrics

Workflow specific execution metrics for APPFLOW_INTEGRATION workflow.

Contents

RecordsProcessed

Number of records processed in APPFLOW_INTEGRATION workflow.

Type: Long

Required: Yes

StepsCompleted

Total steps completed in APPFLOW_INTEGRATION workflow.

Type: Long

Required: Yes

TotalSteps

Total steps in APPFLOW_INTEGRATION workflow.

Type: Long

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AppflowIntegrationWorkflowStep

Workflow step details for APPFLOW_INTEGRATION workflow.

Contents

BatchRecordsEndTime

End datetime of records pulled in batch during execution of workflow step for APPFLOW_INTEGRATION workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

BatchRecordsStartTime

Start datetime of records pulled in batch during execution of workflow step for APPFLOW_INTEGRATION workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

CreatedAt

Creation timestamp of workflow step for APPFLOW_INTEGRATION workflow.

Type: Timestamp

Required: Yes

ExecutionMessage

Message indicating execution of workflow step for APPFLOW_INTEGRATION workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

FlowName

Name of the flow created during execution of workflow step. APPFLOW_INTEGRATION workflow type creates an appflow flow during workflow step execution on the customers behalf.

Type: String

Length Constraints: Maximum length of 256.

Pattern: [a-zA-Z0-9][\w!@#.-]+

Required: Yes

LastUpdatedAt

Last updated timestamp for workflow step for APPFLOW_INTEGRATION workflow.

Type: Timestamp

Required: Yes

RecordsProcessed

Total number of records processed during execution of workflow step for APPFLOW_INTEGRATION workflow.

Type: Long

Required: Yes

Status

Workflow step status for APPFLOW_INTEGRATION workflow.

Type: String

Valid Values: NOT_STARTED | IN_PROGRESS | COMPLETE | FAILED | SPLIT | RETRY
| CANCELLED

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AttributeDetails

Mathematical expression and a list of attribute items specified in that expression.

Contents

Attributes

A list of attribute items specified in the mathematical expression.

Type: Array of [AttributeItem](#) objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: Yes

Expression

Mathematical expression that is performed on attribute items provided in the attribute list. Each element in the expression should follow the structure of `\{ObjectName.AttributeName\}`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AttributeDimension

Object that segments on various Customer Profile's fields.

Contents

DimensionType

The action to segment with.

Type: String

Valid Values: INCLUSIVE | EXCLUSIVE | CONTAINS | BEGINS_WITH | ENDS_WITH | BEFORE | AFTER | BETWEEN | NOT_BETWEEN | ON | GREATER_THAN | LESS_THAN | GREATER_THAN_OR_EQUAL | LESS_THAN_OR_EQUAL | EQUAL

Required: Yes

Values

The values to apply the DimensionType on.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AttributeItem

The details of a single attribute item specified in the mathematical expression.

Contents

Name

The name of an attribute defined in a profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_.-]+$`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AttributeTypesSelector

Configuration information about the `AttributeTypesSelector` where the rule-based identity resolution uses to match profiles. You can choose how profiles are compared across attribute types and which attribute to use for matching from each type. There are three attribute types you can configure:

- Email type
 - You can choose from `Email`, `BusinessEmail`, and `PersonalEmail`
- Phone number type
 - You can choose from `Phone`, `HomePhone`, and `MobilePhone`
- Address type
 - You can choose from `Address`, `BusinessAddress`, `MaillingAddress`, and `ShippingAddress`

You can either choose `ONE_TO_ONE` or `MANY_TO_MANY` as the `AttributeMatchingModel`. When choosing `MANY_TO_MANY`, the system can match attribute across the sub-types of an attribute type. For example, if the value of the `Email` field of Profile A and the value of `BusinessEmail` field of Profile B matches, the two profiles are matched on the Email type. When choosing `ONE_TO_ONE` the system can only match if the sub-types are exact matches. For example, only when the value of the `Email` field of Profile A and the value of the `Email` field of Profile B matches, the two profiles are matched on the Email type.

Contents

AttributeMatchingModel

Configures the `AttributeMatchingModel`, you can either choose `ONE_TO_ONE` or `MANY_TO_MANY`.

Type: String

Valid Values: `ONE_TO_ONE` | `MANY_TO_MANY`

Required: Yes

Address

The Address type. You can choose from Address, BusinessAddress, MaillingAddress, and ShippingAddress.

You only can use the Address type in the MatchingRule. For example, if you want to match profile based on BusinessAddress.City or MaillingAddress.City, you need to choose the BusinessAddress and the MaillingAddress to represent the Address type and specify the Address.City on the matching rule.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 4 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

EmailAddress

The Email type. You can choose from EmailAddress, BusinessEmailAddress and PersonalEmailAddress.

You only can use the EmailAddress type in the MatchingRule. For example, if you want to match profile based on PersonalEmailAddress or BusinessEmailAddress, you need to choose the PersonalEmailAddress and the BusinessEmailAddress to represent the EmailAddress type and only specify the EmailAddress on the matching rule.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

PhoneNumber

The PhoneNumber type. You can choose from PhoneNumber, HomePhoneNumber, and MobilePhoneNumber.

You only can use the PhoneNumber type in the MatchingRule. For example, if you want to match a profile based on Phone or HomePhone, you need to choose the Phone and the

HomePhone to represent the PhoneNumber type and only specify the PhoneNumber on the matching rule.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 4 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AttributeValueItem

List containing the values for the given attribute.

Contents

Value

An individual value belonging to the given attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AutoMerging

Configuration settings for how to perform the auto-merging of profiles.

Contents

Enabled

The flag that enables the auto-merging of duplicate profiles.

Type: Boolean

Required: Yes

ConflictResolution

How the auto-merging process should resolve conflicts between different profiles. For example, if Profile A and Profile B have the same `FirstName` and `LastName` (and that is the matching criteria), which `EmailAddress` should be used?

Type: [ConflictResolution](#) object

Required: No

Consolidation

A list of matching attributes that represent matching criteria. If two profiles meet at least one of the requirements in the matching attributes list, they will be merged.

Type: [Consolidation](#) object

Required: No

MinAllowedConfidenceScoreForMerging

A number between 0 and 1 that represents the minimum confidence score required for profiles within a matching group to be merged during the auto-merge process. A higher score means higher similarity required to merge profiles.

Type: Double

Valid Range: Minimum value of 0.0. Maximum value of 1.0.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Batch

Batch defines the boundaries for ingestion for each step in APPFLOW_INTEGRATION workflow. APPFLOW_INTEGRATION workflow splits ingestion based on these boundaries.

Contents

EndTime

End time of batch to split ingestion.

Type: Timestamp

Required: Yes

StartTime

Start time of batch to split ingestion.

Type: Timestamp

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

BatchGetCalculatedAttributeForProfileError

Error object describing why a specific profile and calculated attribute failed.

Contents

Code

Status code for why a specific profile and calculated attribute failed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Message

Message describing why a specific profile and calculated attribute failed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

ProfileId

The profile id that failed.

Type: String

Pattern: [a-f0-9]{32}

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

BatchGetProfileError

Error object describing why a specific profile failed.

Contents

Code

Status code for why a specific profile failed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Message

Message describing why a specific profile failed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

ProfileId

The profile id that failed.

Type: String

Pattern: [a-f0-9]{32}

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

CalculatedAttributeDimension

Object that segments on Customer Profile's Calculated Attributes.

Contents

DimensionType

The action to segment with.

Type: String

Valid Values: INCLUSIVE | EXCLUSIVE | CONTAINS | BEGINS_WITH | ENDS_WITH | BEFORE | AFTER | BETWEEN | NOT_BETWEEN | ON | GREATER_THAN | LESS_THAN | GREATER_THAN_OR_EQUAL | LESS_THAN_OR_EQUAL | EQUAL

Required: Yes

Values

The values to apply the DimensionType with.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

ConditionOverrides

Applies the given condition over the initial Calculated Attribute's definition.

Type: [ConditionOverrides](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CalculatedAttributeValue

The object containing the values of a single calculated attribute value.

Contents

CalculatedAttributeName

The unique name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

DisplayName

The display name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

Required: No

IsDataPartial

Indicates whether the calculated attribute's value is based on partial data. If the data is partial, it is set to true.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

LastObjectTimestamp

The timestamp of the newest object included in the calculated attribute calculation.

Type: Timestamp

Required: No

ProfileId

The profile id belonging to this calculated attribute value.

Type: String

Pattern: [a-f0-9]{32}

Required: No

Value

The value of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CatalogItem

Represents an item in the catalog with its complete set of attributes and metadata.

Contents

AdditionalInformation

Supplementary information about the catalog item beyond the basic description.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

Attributes

Additional attributes or properties associated with the catalog item stored as key-value pairs.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Value Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Category

The category to which the catalog item belongs.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Code

The product code or SKU of the catalog item.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

CreatedAt

The timestamp when the catalog item was created.

Type: Timestamp

Required: No

Description

A detailed description of the catalog item.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Id

The unique identifier for the catalog item.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

ImageLink

The URL link to the item's image.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

Link

The URL link to the item's detailed page or external resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

Name

The display name of the catalog item.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Price

The price of the catalog item.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Type

The type classification of the catalog item.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

UpdatedAt

The timestamp when the catalog item was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConditionOverrides

An object to override the original condition block of a calculated attribute.

Contents

Range

The relative time period over which data is included in the aggregation for this override.

Type: [RangeOverride](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Conditions

The conditions including range, object count, and threshold for the calculated attribute.

Contents

ObjectCount

The number of profile objects used for the calculated attribute.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

Range

The relative time period over which data is included in the aggregation.

Type: [Range](#) object

Required: No

Threshold

The threshold for the calculated attribute.

Type: [Threshold](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConflictResolution

How the auto-merging process should resolve conflicts between different profiles.

Contents

ConflictResolvingModel

How the auto-merging process should resolve conflicts between different profiles.

- **RECENCY**: Uses the data that was most recently updated.
- **SOURCE**: Uses the data from a specific source. For example, if a company has been aquired or two departments have merged, data from the specified source is used. If two duplicate profiles are from the same source, then RECENCY is used again.

Type: String

Valid Values: RECENCY | SOURCE

Required: Yes

SourceName

The ObjectType name that is used to resolve profile merging conflicts when choosing SOURCE as the ConflictResolvingModel.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConnectorOperator

The operation to be performed on the provided source fields.

Contents

Marketo

The operation to be performed on the provided Marketo source fields.

Type: String

Valid Values: PROJECTION | LESS_THAN | GREATER_THAN | BETWEEN |
ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL |
MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO |
VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP

Required: No

S3

The operation to be performed on the provided Amazon S3 source fields.

Type: String

Valid Values: PROJECTION | LESS_THAN | GREATER_THAN | BETWEEN |
LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO |
NOT_EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION
| MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL |
VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP

Required: No

Salesforce

The operation to be performed on the provided Salesforce source fields.

Type: String

Valid Values: PROJECTION | LESS_THAN | CONTAINS | GREATER_THAN | BETWEEN
| LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO |
NOT_EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION

| MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL |
VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP

Required: No

ServiceNow

The operation to be performed on the provided ServiceNow source fields.

Type: String

Valid Values: PROJECTION | CONTAINS | LESS_THAN | GREATER_THAN | BETWEEN
| LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO |
NOT_EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION
| MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL |
VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP

Required: No

Zendesk

The operation to be performed on the provided Zendesk source fields.

Type: String

Valid Values: PROJECTION | GREATER_THAN | ADDITION | MULTIPLICATION |
DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N |
VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE |
VALIDATE_NUMERIC | NO_OP

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Consolidation

The matching criteria to be used during the auto-merging process.

Contents

MatchingAttributesList

A list of matching criteria.

Type: Array of arrays of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ContactPreference

Object that defines users contact preference.

Contents

ContactType

The contact type used for engagement. For example: HomePhoneNumber, PersonalEmailAddress.

Type: String

Valid Values: PhoneNumber | MobilePhoneNumber | HomePhoneNumber | BusinessPhoneNumber | EmailAddress | PersonalEmailAddress | BusinessEmailAddress

Required: No

KeyName

A searchable, unique identifier of a customer profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

KeyValue

The key value used to look up profile based off the keyName.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

ProfileId

The unique identifier of a customer profile.

Type: String

Pattern: [a-f0-9]{32}

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DataStoreRequest

The data store request.

Contents

Enabled

Enabled: Set to true to enabled data store for this domain.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DataStoreResponse

The data store response.

Contents

Enabled

True if data store is enabled for this domain

Type: Boolean

Required: No

Readiness

Information indicating if the Calculated Attribute is ready for use by confirming all historical data has been processed and reflected.

Type: [Readiness](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DateDimension

Object that segments on various Customer Profile's date fields.

Contents

DimensionType

The action to segment with.

Type: String

Valid Values: BEFORE | AFTER | BETWEEN | NOT_BETWEEN | ON

Required: Yes

Values

The values to apply the DimensionType on.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DestinationSummary

Summary information about the Kinesis data stream

Contents

Status

The status of enabling the Kinesis stream as a destination for export.

Type: String

Valid Values: HEALTHY | UNHEALTHY

Required: Yes

Uri

The StreamARN of the destination to deliver profile events to. For example, arn:aws:kinesis:region:account-id:stream/stream-name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

UnhealthySince

The timestamp when the status last changed to UNHEALTHY.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

DetectedProfileObjectType

Contains ProfileObjectType mapping information from the model.

Contents

Fields

A map of the name and the ObjectType field.

Type: String to [ObjectTypeField](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

Required: No

Keys

A list of unique keys that can be used to map data to a profile.

Type: String to array of [ObjectTypeKey](#) objects map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

Required: No

SourceLastUpdatedTimestampFormat

The format of sourceLastUpdatedTimestamp that was detected in fields.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Dimension

Object that holds what profile and calculated attributes to segment on.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

CalculatedAttributes

Object that holds the calculated attributes to segment on.

Type: String to [CalculatedAttributeDimension](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

ProfileAttributes

Object that holds the profile attributes to segment on.

Type: [ProfileAttributes](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DomainObjectTypeField

The standard domain object type.

Contents

Source

The expression that defines how to extract the field value from the source object.>

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Target

The expression that defines where the field value should be placed in the standard domain object.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

ContentType

The content type of the field.

Type: String

Valid Values: STRING | NUMBER

Required: No

FeatureType

The semantic meaning of the field.

Type: String

Valid Values: TEXTUAL | CATEGORICAL

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DomainObjectTypesListItem

Represents an item in the list of domain object types, containing basic information about a specific object type within a domain.

Contents

ObjectName

The name that identifies the object type within the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

CreatedAt

The timestamp of when the domain object type was created.

Type: Timestamp

Required: No

Description

A description explaining the purpose and characteristics of this object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10000.

Required: No

LastUpdatedAt

The timestamp of when the domain object type was most recently edited.

Type: Timestamp

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]+`

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DomainStats

Usage-specific statistics about the domain.

Contents

MeteringProfileCount

The number of profiles that you are currently paying for in the domain. If you have more than 100 objects associated with a single profile, that profile counts as two profiles. If you have more than 200 objects, that profile counts as three, and so on.

Type: Long

Required: No

ObjectCount

The total number of objects in domain.

Type: Long

Required: No

ProfileCount

The total number of profiles currently in the domain.

Type: Long

Required: No

TotalSize

The total size, in bytes, of all objects in the domain.

Type: Long

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EngagementPreferences

Object that defines users preferred methods of engagement.

Contents

Email

A list of email-related contact preferences

Type: Array of [ContactPreference](#) objects

Required: No

Phone

A list of phone-related contact preferences

Type: Array of [ContactPreference](#) objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EventParameters

Configuration parameters for events in the personalization system.

Contents

EventType

The type of event being tracked (e.g., 'click', 'purchase', 'view').

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

EventValueThreshold

The minimum value threshold that an event must meet to be considered valid.

Type: Double

Required: No

EventWeight

The weight of the event type. A higher weight means higher importance of the event type for the created solution.

Type: Double

Valid Range: Minimum value of 0.0. Maximum value of 1.0.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

EventsConfig

Configuration settings that define how events are processed and tracked.

Contents

EventParametersList

A list of event parameters configurations that specify how different event types should be handled.

Type: Array of [EventParameters](#) objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EventStreamDestinationDetails

Details of the destination being used for the EventStream.

Contents

Status

The status of enabling the Kinesis stream as a destination for export.

Type: String

Valid Values: HEALTHY | UNHEALTHY

Required: Yes

Uri

The StreamARN of the destination to deliver profile events to. For example, arn:aws:kinesis:region:account-id:stream/stream-name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Message

The human-readable string that corresponds to the error or success while enabling the streaming destination.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

UnhealthySince

The timestamp when the status last changed to UNHEALTHY.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EventStreamSummary

An instance of EventStream in a list of EventStreams.

Contents

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

EventStreamArn

A unique identifier for the event stream.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

EventStreamName

The name of the event stream.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

State

The operational state of destination stream for export.

Type: String

Valid Values: RUNNING | STOPPED

Required: Yes

DestinationSummary

Summary information about the Kinesis data stream.

Type: [DestinationSummary](#) object

Required: No

StoppedSince

The timestamp when the State changed to STOPPED.

Type: Timestamp

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-. _:/]+$`

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EventTriggerCondition

Specifies the circumstances under which the event should trigger the destination.

Contents

EventTriggerDimensions

A list of dimensions to be evaluated for the event.

Type: Array of [EventTriggerDimension](#) objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

LogicalOperator

The operator used to combine multiple dimensions.

Type: String

Valid Values: ANY | ALL | NONE

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EventTriggerDimension

A specific event dimension to be assessed.

Contents

ObjectAttributes

A list of object attributes to be evaluated.

Type: Array of [ObjectAttribute](#) objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EventTriggerLimits

Defines limits controlling whether an event triggers the destination, based on ingestion latency and the number of invocations per profile over specific time periods.

Contents

EventExpiration

In milliseconds. Specifies that an event will only trigger the destination if it is processed within a certain latency period.

Type: Long

Required: No

Periods

A list of time periods during which the limits apply.

Type: Array of [Period](#) objects

Array Members: Minimum number of 1 item. Maximum number of 4 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EventTriggerSummaryItem

The summary of the event trigger.

Contents

CreatedAt

The timestamp of when the event trigger was created.

Type: Timestamp

Required: No

Description

The description of the event trigger.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

EventTriggerName

The unique name of the event trigger.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

LastUpdatedAt

The timestamp of when the event trigger was most recently updated.

Type: Timestamp

Required: No

ObjectTypeName

The unique name of the object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

Tags

An array of key-value pairs to apply to this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ExportingConfig

Configuration information about the S3 bucket where Identity Resolution Jobs writes result files.

Note

You need to give Customer Profiles service principal write permission to your S3 bucket. Otherwise, you'll get an exception in the API response. For an example policy, see [Amazon Connect Customer Profiles cross-service confused deputy prevention](#).

Contents

S3Exporting

The S3 location where Identity Resolution Jobs write result files.

Type: [S3ExportingConfig](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ExportingLocation

The S3 location where Identity Resolution Jobs write result files.

Contents

S3Exporting

Information about the S3 location where Identity Resolution Jobs write result files.

Type: [S3ExportingLocation](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ExtraLengthValueProfileDimension

Object that segments on various Customer profile's fields that are larger than normal.

Contents

DimensionType

The action to segment with.

Type: String

Valid Values: INCLUSIVE | EXCLUSIVE | CONTAINS | BEGINS_WITH | ENDS_WITH

Required: Yes

Values

The values to apply the DimensionType on.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

FieldSourceProfileIds

A duplicate customer profile that is to be merged into a main profile.

Contents

AccountNumber

A unique identifier for the account number field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

AdditionalInformation

A unique identifier for the additional information field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

Address

A unique identifier for the party type field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

Attributes

A unique identifier for the attributes field to be merged.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Value Pattern: [a-f0-9]{32}

Required: No

BillingAddress

A unique identifier for the billing type field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

BirthDate

A unique identifier for the birthdate field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

BusinessEmailAddress

A unique identifier for the party type field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

BusinessName

A unique identifier for the business name field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

BusinessPhoneNumber

A unique identifier for the business phone number field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

EmailAddress

A unique identifier for the email address field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

EngagementPreferences

A unique identifier for the engagement preferences field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

FirstName

A unique identifier for the first name field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

Gender

A unique identifier for the gender field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

HomePhoneNumber

A unique identifier for the home phone number field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

LastName

A unique identifier for the last name field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

MailingAddress

A unique identifier for the mailing address field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

MiddleName

A unique identifier for the middle name field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

MobilePhoneNumber

A unique identifier for the mobile phone number field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

PartyType

A unique identifier for the party type field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

PersonalEmailAddress

A unique identifier for the personal email address field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

PhoneNumber

A unique identifier for the phone number field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

ProfileType

A unique identifier for the profile type field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

ShippingAddress

A unique identifier for the shipping address field to be merged.

Type: String

Pattern: [a-f0-9]{32}

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Filter

Defines how to filter the objects coming in for calculated attributes.

Contents

Groups

Holds the list of Filter groups within the Filter definition.

Type: Array of [FilterGroup](#) objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: Yes

Include

Define whether to include or exclude objects for Calculated Attributed calculation that fit the filter groups criteria.

Type: String

Valid Values: ALL | ANY | NONE

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

FilterAttributeDimension

Object that defines how to filter the incoming objects for the calculated attribute.

Contents

DimensionType

The action to filter with.

Type: String

Valid Values: INCLUSIVE | EXCLUSIVE | CONTAINS | BEGINS_WITH | ENDS_WITH | BEFORE | AFTER | BETWEEN | NOT_BETWEEN | ON | GREATER_THAN | LESS_THAN | GREATER_THAN_OR_EQUAL | LESS_THAN_OR_EQUAL | EQUAL

Required: Yes

Values

The values to apply the DimensionType on.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

FilterDimension

Contains the map of attribute names to attribute dimensions.

Contents

Attributes

Is the attribute within the FilterDimension map

Type: String to [FilterAttributeDimension](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `^[a-zA-Z0-9_.-]+$`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

FilterGroup

Object that holds the dimensions to filter on.

Contents

Dimensions

Object that holds the attributes to filter on.

Type: Array of [FilterDimension](#) objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

Type

The type of logical relationship between the dimensions of the Filter group.

Type: String

Valid Values: ALL | ANY | NONE

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

FlowDefinition

The configurations that control how Customer Profiles retrieves data from the source, Amazon AppFlow. Customer Profiles uses this information to create an AppFlow flow on behalf of customers.

Contents

FlowName

The specified name of the flow. Use underscores (_) or hyphens (-) only. Spaces are not allowed.

Type: String

Length Constraints: Maximum length of 256.

Pattern: [a-zA-Z0-9][\w!@#.-]+

Required: Yes

KmsArn

The Amazon Resource Name of the AWS Key Management Service (KMS) key you provide for encryption.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:aws:kms:.*:[0-9]+:.*

Required: Yes

SourceFlowConfig

The configuration that controls how Customer Profiles retrieves data from the source.

Type: [SourceFlowConfig](#) object

Required: Yes

Tasks

A list of tasks that Customer Profiles performs while transferring the data in the flow run.

Type: Array of [Task](#) objects

Required: Yes

TriggerConfig

The trigger settings that determine how and when the flow runs.

Type: [TriggerConfig](#) object

Required: Yes

Description

A description of the flow you want to create.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `[\w!@#\-.?,\s]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

FoundByKeyValue

A data type pair that consists of a `KeyName` and `Values` list that were used to find a profile returned in response to a [SearchProfiles](#) request.

Contents

KeyName

A searchable identifier of a customer profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

Values

A list of key values.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

GetObjectAttributeStatisticsPercentiles

Contains percentile statistics for object type attributes.

Contents

P25

The 25th percentile value of the attribute.

Type: Double

Required: Yes

P5

The 5th percentile value of the attribute.

Type: Double

Required: Yes

P50

The 50th percentile (median) value of the attribute.

Type: Double

Required: Yes

P75

The 75th percentile value of the attribute.

Type: Double

Required: Yes

P95

The 95th percentile value of the attribute.

Type: Double

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

GetObjectAttributeStatisticsStats

Statistical measurements for object type attributes including basic statistics and percentiles.

Contents

Average

The arithmetic mean of the attribute values.

Type: Double

Required: Yes

Maximum

The maximum value found in the attribute dataset.

Type: Double

Required: Yes

Minimum

The minimum value found in the attribute dataset.

Type: Double

Required: Yes

Percentiles

Percentile distribution statistics for the attribute values.

Type: [GetObjectAttributeStatisticsPercentiles](#) object

Required: Yes

StandardDeviation

The standard deviation of the attribute values, measuring their spread around the mean.

Type: Double

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Group

Contains dimensions that determine what to segment on.

Contents

Dimensions

Defines the attributes to segment on.

Type: Array of [Dimension](#) objects

Required: No

SourceSegments

Defines the starting source of data.

Type: Array of [SourceSegment](#) objects

Required: No

SourceType

Defines how to interact with the source data.

Type: String

Valid Values: ALL | ANY | NONE

Required: No

Type

Defines how to interact with the profiles found in the current filtering.

Type: String

Valid Values: ALL | ANY | NONE

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

IdentityResolutionJob

Information about the Identity Resolution Job.

Contents

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

ExportingLocation

The S3 location where the Identity Resolution Job writes result files.

Type: [ExportingLocation](#) object

Required: No

JobEndTime

The timestamp of when the job was completed.

Type: Timestamp

Required: No

JobId

The unique identifier of the Identity Resolution Job.

Type: String

Pattern: `[a-f0-9]{32}`

Required: No

JobStartTime

The timestamp of when the job was started or will be started.

Type: Timestamp

Required: No

JobStats

Statistics about an Identity Resolution Job.

Type: [JobStats](#) object

Required: No

Message

The error messages that are generated when the Identity Resolution Job runs.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: . *

Required: No

Status

The status of the Identity Resolution Job.

- **PENDING:** The Identity Resolution Job is scheduled but has not started yet. If you turn off the Identity Resolution feature in your domain, jobs in the PENDING state are deleted.
- **PREPROCESSING:** The Identity Resolution Job is loading your data.
- **FIND_MATCHING:** The Identity Resolution Job is using the machine learning model to identify profiles that belong to the same matching group.
- **MERGING:** The Identity Resolution Job is merging duplicate profiles.
- **COMPLETED:** The Identity Resolution Job completed successfully.
- **PARTIAL_SUCCESS:** There's a system error and not all of the data is merged. The Identity Resolution Job writes a message indicating the source of the problem.
- **FAILED:** The Identity Resolution Job did not merge any data. It writes a message indicating the source of the problem.

Type: String

Valid Values: PENDING | PREPROCESSING | FIND_MATCHING | MERGING | COMPLETED
| PARTIAL_SUCCESS | FAILED

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

IncrementalPullConfig

Specifies the configuration used when importing incremental records from the source.

Contents

DatetimeTypeFieldName

A field that specifies the date time or timestamp field as the criteria to use when importing incremental records from the source.

Type: String

Length Constraints: Maximum length of 256.

Pattern: .*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

InferenceConfig

Configuration settings for inference behavior of the recommender.

Contents

MinProvisionedTPS

The minimum provisioned transactions per second (TPS) that the recommender supports. The default value is 1. A high MinProvisionedTPS will increase your cost.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 500.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

IntegrationConfig

Configuration data for integration workflow.

Contents

AppflowIntegration

Configuration data for APPFLOW_INTEGRATION workflow type.

Type: [AppflowIntegration](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

JobSchedule

The day and time when do you want to start the Identity Resolution Job every week.

Contents

DayOfTheWeek

The day when the Identity Resolution Job should run every week.

Type: String

Valid Values: SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY

Required: Yes

Time

The time when the Identity Resolution Job should run every week.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 5.

Pattern: ^([0-9]|0[0-9]|1[0-9]|2[0-3]):[0-5][0-9]\$

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

JobStats

Statistics about the Identity Resolution Job.

Contents

NumberOfMatchesFound

The number of matches found.

Type: Long

Required: No

NumberOfMergesDone

The number of merges completed.

Type: Long

Required: No

NumberOfProfilesReviewed

The number of profiles reviewed.

Type: Long

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LayoutItem

The layout object that contains LayoutDefinitionName, Description, DisplayName, IsDefault, LayoutType, Tags, CreatedAt, LastUpdatedAt

Contents

CreatedAt

The timestamp of when the layout was created.

Type: Timestamp

Required: Yes

Description

The description of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

DisplayName

The display name of the layout

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

Required: Yes

LastUpdatedAt

The timestamp of when the layout was most recently updated.

Type: Timestamp

Required: Yes

LayoutDefinitionName

The unique name of the layout.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

LayoutType

The type of layout that can be used to view data under customer profiles domain.

Type: String

Valid Values: PROFILE_EXPLORER

Required: Yes

IsDefault

If set to true for a layout, this layout will be used by default to view data. If set to false, then layout will not be used by default but it can be used to view data by explicit selection on UI.

Type: Boolean

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]+$`

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ListCalculatedAttributeDefinitionItem

The details of a single calculated attribute definition.

Contents

CalculatedAttributeName

The unique name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

CreatedAt

The threshold for the calculated attribute.

Type: Timestamp

Required: No

Description

The threshold for the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

DisplayName

The display name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

Required: No

LastUpdatedAt

The timestamp of when the calculated attribute definition was most recently edited.

Type: Timestamp

Required: No

Status

Status of the Calculated Attribute creation (whether all historical data has been indexed.)

Type: String

Valid Values: PREPARING | IN_PROGRESS | COMPLETED | FAILED

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Required: No

UseHistoricalData

Whether historical data ingested before the Calculated Attribute was created should be included in calculations.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ListCalculatedAttributeForProfileItem

The details of a single calculated attribute for a profile.

Contents

CalculatedAttributeName

The unique name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

DisplayName

The display name of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-\s]*$`

Required: No

IsDataPartial

Indicates whether the calculated attribute's value is based on partial data. If data is partial, it is set to true.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

LastObjectTimestamp

The timestamp of the newest object included in the calculated attribute calculation.

Type: Timestamp

Required: No

Value

The value of the calculated attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ListDomainItem

An object in a list that represents a domain.

Contents

CreatedAt

The timestamp of when the domain was created.

Type: Timestamp

Required: Yes

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

LastUpdatedAt

The timestamp of when the domain was most recently edited.

Type: Timestamp

Required: Yes

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]+$`

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ListIntegrationItem

An integration in list of integrations.

Contents

CreatedAt

The timestamp of when the domain was created.

Type: Timestamp

Required: Yes

DomainName

The unique name of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

LastUpdatedAt

The timestamp of when the integration was most recently edited.

Type: Timestamp

Required: Yes

Uri

The URI of the S3 bucket or any other type of data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

EventTriggerNames

A list of unique names for active event triggers associated with the integration.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

IsUnstructured

Boolean that shows if the Flow that's associated with the Integration is created in Amazon Appflow, or with `ObjectTypeName` equals `_unstructured` via API/CLI in `flowDefinition`.

Type: Boolean

Required: No

ObjectTypeName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

ObjectTypeNames

A map in which each key is an event type from an external application such as Segment or Shopify, and each value is an `ObjectTypeName` (template) used to ingest the event. It supports the following event types: `SegmentIdentify`, `ShopifyCreateCustomers`, `ShopifyUpdateCustomers`, `ShopifyCreateDraftOrders`, `ShopifyUpdateDraftOrders`, `ShopifyCreateOrders`, and `ShopifyUpdatedOrders`.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Value Length Constraints: Minimum length of 1. Maximum length of 255.

Value Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

RoleArn

The Amazon Resource Name (ARN) of the IAM role. The Integration uses this role to make Customer Profiles requests on your behalf.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:iam:.*:[0-9]+:.*`

Required: No

Scope

The scope or boundary of the integration item's applicability.

Type: String

Valid Values: PROFILE | DOMAIN

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Required: No

WorkflowId

Unique identifier for the workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ListObjectTypeAttributeItem

Item that contains the attribute and when it was last updated.

Contents

AttributeName

Name of the attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

LastUpdatedAt

When the attribute was last updated.

Type: Timestamp

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ListObjectTypeAttributeValuesItem

Represents an item in the list of object type attribute values with its associated metadata.

Contents

LastUpdatedAt

The timestamp of when the object type attribute value was most recently updated.

Type: Timestamp

Required: Yes

Value

The actual value of the object type attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ListProfileObjectsItem

A ProfileObject in a list of ProfileObjects.

Contents

Object

A JSON representation of a ProfileObject that belongs to a profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256000.

Required: No

ObjectTypeName

Specifies the kind of object being added to a profile, such as "Salesforce-Account."

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: No

ProfileObjectUniqueKey

The unique identifier of the ProfileObject generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ListProfileObjectTypeItem

A ProfileObjectType instance.

Contents

Description

Description of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

ObjectName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[a-zA-Z_][a-zA-Z_0-9-]*$`

Required: Yes

CreatedAt

The timestamp of when the domain was created.

Type: Timestamp

Required: No

LastUpdatedAt

The timestamp of when the profile object type was most recently edited.

Type: Timestamp

Required: No

MaxAvailableProfileObjectCount

The amount of provisioned profile object max count available.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

MaxProfileObjectCount

The amount of profile object max count assigned to the object type.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

SourcePriority

An integer that determines the priority of this object type when data from multiple sources is ingested. Lower values take priority. Object types without a specified source priority default to the lowest priority.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ListProfileObjectTypeTemplateItem

A ProfileObjectTypeTemplate in a list of ProfileObjectTypeTemplates.

Contents

SourceName

The name of the source of the object template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

SourceObject

The source of the object template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

TemplateId

A unique identifier for the object template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ListWorkflowsItem

A workflow in list of workflows.

Contents

CreatedAt

Creation timestamp for workflow.

Type: Timestamp

Required: Yes

LastUpdatedAt

Last updated timestamp for workflow.

Type: Timestamp

Required: Yes

Status

Status of workflow execution.

Type: String

Valid Values: NOT_STARTED | IN_PROGRESS | COMPLETE | FAILED | SPLIT | RETRY
| CANCELLED

Required: Yes

StatusDescription

Description for workflow execution status.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

WorkflowId

Unique identifier for the workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

WorkflowType

The type of workflow. The only supported value is APPFLOW_INTEGRATION.

Type: String

Valid Values: APPFLOW_INTEGRATION

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MarketoSourceProperties

The properties that are applied when Marketo is being used as a source.

Contents

Object

The object specified in the Marketo flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MatchingRequest

The flag that enables the matching process of duplicate profiles.

Contents

Enabled

The flag that enables the matching process of duplicate profiles.

Type: Boolean

Required: Yes

AutoMerging

Configuration information about the auto-merging process.

Type: [AutoMerging](#) object

Required: No

ExportingConfig

Configuration information for exporting Identity Resolution results, for example, to an S3 bucket.

Type: [ExportingConfig](#) object

Required: No

JobSchedule

The day and time when do you want to start the Identity Resolution Job every week.

Type: [JobSchedule](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MatchingResponse

The flag that enables the matching process of duplicate profiles.

Contents

AutoMerging

Configuration information about the auto-merging process.

Type: [AutoMerging](#) object

Required: No

Enabled

The flag that enables the matching process of duplicate profiles.

Type: Boolean

Required: No

ExportingConfig

Configuration information for exporting Identity Resolution results, for example, to an S3 bucket.

Type: [ExportingConfig](#) object

Required: No

JobSchedule

The day and time when do you want to start the Identity Resolution Job every week.

Type: [JobSchedule](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MatchingRule

Specifies how does the rule-based matching process should match profiles. You can choose from the following attributes to build the matching Rule:

- AccountNumber
- Address.Address
- Address.City
- Address.Country
- Address.County
- Address.PostalCode
- Address.State
- Address.Province
- BirthDate
- BusinessName
- EmailAddress
- FirstName
- Gender
- LastName
- MiddleName
- PhoneNumber
- Any customized profile attributes that start with the `Attributes`

Contents

Rule

A single rule level of the `MatchRules`. Configures how the rule-based matching process should match profiles.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 15 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MatchItem

The Match group object.

Contents

ConfidenceScore

A number between 0 and 1, where a higher score means higher similarity. Examining match confidence scores lets you distinguish between groups of similar records in which the system is highly confident (which you may decide to merge), groups of similar records about which the system is uncertain (which you may decide to have reviewed by a human), and groups of similar records that the system deems to be unlikely (which you may decide to reject). Given confidence scores vary as per the data input, it should not be used as an absolute measure of matching quality.

Type: Double

Required: No

MatchId

The unique identifiers for this group of profiles that match.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

ProfileIds

A list of identifiers for profiles that match.

Type: Array of strings

Pattern: [a-f0-9]{32}

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MetadataConfig

Configuration for metadata to include in recommendation responses.

Contents

MetadataColumns

A list of metadata column names from your Items dataset to include in the recommendation response.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 150.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ObjectAttribute

The criteria that a specific object attribute must meet to trigger the destination.

Contents

ComparisonOperator

The operator used to compare an attribute against a list of values.

Type: String

Valid Values: INCLUSIVE | EXCLUSIVE | CONTAINS | BEGINS_WITH | ENDS_WITH | GREATER_THAN | LESS_THAN | GREATER_THAN_OR_EQUAL | LESS_THAN_OR_EQUAL | EQUAL | BEFORE | AFTER | ON | BETWEEN | NOT_BETWEEN

Required: Yes

Values

A list of attribute values used for comparison.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

FieldName

A field defined within an object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_.-]+$`

Required: No

Source

An attribute contained within a source object.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ObjectFilter

The filter applied to `ListProfileObjects` response to include profile objects with the specified index values.

Contents

KeyName

A searchable identifier of a profile object. The predefined keys you can use to search for `_asset` include: `_assetId`, `_assetName`, and `_serialNumber`. The predefined keys you can use to search for `_case` include: `_caseId`. The predefined keys you can use to search for `_order` include: `_orderId`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Values

A list of key values.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ObjectTypeField

Represents a field in a ProfileObjectType.

Contents

ContentType

The content type of the field. Used for determining equality when searching.

Type: String

Valid Values: STRING | NUMBER | PHONE_NUMBER | EMAIL_ADDRESS | NAME

Required: No

Source

A field of a ProfileObject. For example: `_source.FirstName`, where “`_source`” is a ProfileObjectType of a Zendesk user and “`FirstName`” is a field in that ObjectType.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

Target

The location of the data in the standard ProfileObject model. For example: `_profile.Address.PostalCode`. Do not include sensitive or personally identifiable information (PII) in the target field name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ObjectTypeKey

An object that defines the Key element of a ProfileObject. A Key is a special element that can be used to search for a customer profile.

Contents

FieldNames

The reference for the key name of the fields map.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

StandardIdentifiers

The types of keys that a ProfileObject can have. Each ProfileObject can have only 1 UNIQUE key but multiple PROFILE keys. PROFILE, ASSET, CASE, or ORDER means that this key can be used to tie an object to a PROFILE, ASSET, CASE, or ORDER respectively. UNIQUE means that it can be used to uniquely identify an object. If a key is marked as SECONDARY, it will be used to search for profiles after all other PROFILE keys have been searched. A LOOKUP_ONLY key is only used to match a profile but is not persisted to be used for searching of the profile. A NEW_ONLY key is only used if the profile does not already exist before the object is ingested, otherwise it is only used for matching objects to profiles.

Type: Array of strings

Valid Values: PROFILE | ASSET | CASE | DEVICE | WEB_ANALYTICS | ORDER | COMMUNICATION_RECORD | AIR_PREFERENCE | HOTEL_PREFERENCE | AIR_BOOKING | AIR_SEGMENT | HOTEL_RESERVATION | HOTEL_STAY_REVENUE | LOYALTY | LOYALTY_TRANSACTION | LOYALTY_PROMOTION | UNIQUE | SECONDARY | LOOKUP_ONLY | NEW_ONLY

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Period

Defines a limit and the time period during which it is enforced.

Contents

Unit

The unit of time.

Type: String

Valid Values: HOURS | DAYS | WEEKS | MONTHS

Required: Yes

Value

The amount of time of the specified unit.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 24.

Required: Yes

MaxInvocationsPerProfile

The maximum allowed number of destination invocations per profile.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

Unlimited

If set to true, there is no limit on the number of destination invocations per profile. The default is false.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Profile

The standard profile of a customer.

Contents

AccountNumber

An account number that you have assigned to the customer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

AdditionalInformation

Any additional information relevant to the customer's profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

Address

A generic address associated with the customer that is not mailing, shipping, or billing.

Type: [Address](#) object

Required: No

Attributes

A key value pair of attributes of a customer profile.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Value Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

BillingAddress

The customer's billing address.

Type: [Address](#) object

Required: No

BirthDate

The customer's birth date.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

BusinessEmailAddress

The customer's business email address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

BusinessName

The name of the customer's business.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

BusinessPhoneNumber

The customer's home phone number.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

EmailAddress

The customer's email address, which has not been specified as a personal or business address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

EngagementPreferences

The customer or account's engagement preferences.

Type: [EngagementPreferences](#) object

Required: No

FirstName

The customer's first name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

FoundByItems

A list of items used to find a profile returned in a [SearchProfiles](#) response. An item is a key-value(s) pair that matches an attribute in the profile.

If the optional `AdditionalSearchKeys` parameter was included in the [SearchProfiles](#) request, the `FoundByItems` list should be interpreted based on the `LogicalOperator` used in the request:

- AND - The profile included in the response matched all of the search keys specified in the request. The `FoundByItems` will include all of the key-value(s) pairs that were specified in the request (as this is a requirement of AND search logic).
- OR - The profile included in the response matched at least one of the search keys specified in the request. The `FoundByItems` will include each of the key-value(s) pairs that the profile was found by.

The OR relationship is the default behavior if the `LogicalOperator` parameter is not included in the [SearchProfiles](#) request.

Type: Array of [FoundByKeyValue](#) objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

Gender

This member has been deprecated.

The gender with which the customer identifies.

Type: String

Valid Values: MALE | FEMALE | UNSPECIFIED

Required: No

GenderString

An alternative to Gender which accepts any string as input.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

HomePhoneNumber

The customer's home phone number.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

LastName

The customer's last name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

MailingAddress

The customer's mailing address.

Type: [Address](#) object

Required: No

MiddleName

The customer's middle name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

MobilePhoneNumber

The customer's mobile phone number.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

PartyType

This member has been deprecated.

The type of profile used to describe the customer.

Type: String

Valid Values: INDIVIDUAL | BUSINESS | OTHER

Required: No

PartyTypeString

An alternative to PartyType which accepts any string as input.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

PersonalEmailAddress

The customer's personal email address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

PhoneNumber

The customer's phone number, which has not been specified as a mobile, home, or business number.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

ProfileId

The unique identifier of a customer profile.

Type: String

Pattern: [a-f0-9]{32}

Required: No

ProfileType

The type of the profile.

Type: String

Valid Values: ACCOUNT_PROFILE | PROFILE

Required: No

ShippingAddress

The customer's shipping address.

Type: [Address](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProfileAttributes

The object used to segment on attributes within the customer profile.

Contents

AccountNumber

A field to describe values to segment on within account number.

Type: [ProfileDimension](#) object

Required: No

AdditionalInformation

A field to describe values to segment on within additional information.

Type: [ExtraLengthValueProfileDimension](#) object

Required: No

Address

A field to describe values to segment on within address.

Type: [AddressDimension](#) object

Required: No

Attributes

A field to describe values to segment on within attributes.

Type: String to [AttributeDimension](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

BillingAddress

A field to describe values to segment on within billing address.

Type: [AddressDimension](#) object

Required: No

BirthDate

A field to describe values to segment on within birthDate.

Type: [DateDimension](#) object

Required: No

BusinessEmailAddress

A field to describe values to segment on within business email address.

Type: [ProfileDimension](#) object

Required: No

BusinessName

A field to describe values to segment on within business name.

Type: [ProfileDimension](#) object

Required: No

BusinessPhoneNumber

A field to describe values to segment on within business phone number.

Type: [ProfileDimension](#) object

Required: No

EmailAddress

A field to describe values to segment on within email address.

Type: [ProfileDimension](#) object

Required: No

FirstName

A field to describe values to segment on within first name.

Type: [ProfileDimension](#) object

Required: No

GenderString

A field to describe values to segment on within genderString.

Type: [ProfileDimension](#) object

Required: No

HomePhoneNumber

A field to describe values to segment on within home phone number.

Type: [ProfileDimension](#) object

Required: No

LastName

A field to describe values to segment on within last name.

Type: [ProfileDimension](#) object

Required: No

MailingAddress

A field to describe values to segment on within mailing address.

Type: [AddressDimension](#) object

Required: No

MiddleName

A field to describe values to segment on within middle name.

Type: [ProfileDimension](#) object

Required: No

MobilePhoneNumber

A field to describe values to segment on within mobile phone number.

Type: [ProfileDimension](#) object

Required: No

PartyTypeString

A field to describe values to segment on within partyTypeString.

Type: [ProfileDimension](#) object

Required: No

PersonalEmailAddress

A field to describe values to segment on within personal email address.

Type: [ProfileDimension](#) object

Required: No

PhoneNumber

A field to describe values to segment on within phone number.

Type: [ProfileDimension](#) object

Required: No

ProfileType

A field to describe values to segment on within profile type.

Type: [ProfileTypeDimension](#) object

Required: No

ShippingAddress

A field to describe values to segment on within shipping address.

Type: [AddressDimension](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProfileDimension

Object to hold the dimensions of a profile's fields to segment on.

Contents

DimensionType

The action to segment on.

Type: String

Valid Values: INCLUSIVE | EXCLUSIVE | CONTAINS | BEGINS_WITH | ENDS_WITH

Required: Yes

Values

The values to apply the DimensionType on.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProfileHistoryRecord

Contains profile history record metadata.

Contents

ActionType

The action type of the profile history record.

Type: String

Valid Values: ADDED_PROFILE_KEY | DELETED_PROFILE_KEY | CREATED | UPDATED |
INGESTED | DELETED_BY_CUSTOMER | EXPIRED | MERGED | DELETED_BY_MERGE

Required: Yes

CreatedAt

The timestamp of when the profile history record was created.

Type: Timestamp

Required: Yes

Id

The unique identifier of the profile history record.

Type: String

Pattern: [a-f0-9]{32}

Required: Yes

ObjectTypeName

The name of the profile object type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: ^[a-zA-Z_][a-zA-Z_0-9-]*\$

Required: Yes

LastUpdatedAt

The timestamp of when the profile history record was last updated.

Type: Timestamp

Required: No

PerformedBy

The Amazon Resource Name (ARN) of the person or service principal who performed the action.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

ProfileObjectUniqueKey

The unique identifier of the profile object generated by the service.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProfileQueryFailures

Object that holds failures for membership.

Contents

Message

A message describing the failure.

Type: String

Required: Yes

ProfileId

The profile id the failure belongs to.

Type: String

Required: Yes

Status

The status describing the failure.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProfileQueryResult

Object that holds the results for membership.

Contents

ProfileId

The profile id the result belongs to.

Type: String

Required: Yes

QueryResult

Describes whether the profile was absent or present in the segment.

Type: String

Valid Values: PRESENT | ABSENT

Required: Yes

Profile

The standard profile of a customer.

Type: [Profile](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProfileTypeDimension

Object to hold the dimension of a profile type field to segment on.

Contents

DimensionType

The action to segment on.

Type: String

Valid Values: INCLUSIVE | EXCLUSIVE

Required: Yes

Values

The values to apply the DimensionType on.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: ACCOUNT_PROFILE | PROFILE

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Range

The relative time period over which data is included in the aggregation.

Contents

TimestampFormat

The format the timestamp field in your JSON object is specified. This value should be one of EPOCHMILLI (for Unix epoch timestamps with second/millisecond level precision) or ISO_8601 (following ISO_8601 format with second/millisecond level precision, with an optional offset of Z or in the format HH:MM or HHMM.). E.g. if your object type is MyType and source JSON is {"generatedAt": {"timestamp": "2001-07-04T12:08:56.235-0700"}}, then TimestampFormat should be "ISO_8601".

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

TimestampSource

An expression specifying the field in your JSON object from which the date should be parsed. The expression should follow the structure of "{ObjectTypeName.<Location of timestamp field in JSON pointer format>}\". E.g. if your object type is MyType and source JSON is {"generatedAt": {"timestamp": "1737587945945"}}, then TimestampSource should be "{MyType.generatedAt.timestamp}\".

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Unit

The unit of time.

Type: String

Valid Values: DAYS

Required: No

Value

The amount of time of the specified unit.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

ValueRange

A structure letting customers specify a relative time window over which over which data is included in the Calculated Attribute. Use positive numbers to indicate that the endpoint is in the past, and negative numbers to indicate it is in the future. ValueRange overrides Value.

Type: [ValueRange](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RangeOverride

Overrides the original range on a calculated attribute definition.

Contents

Start

The start time of when to include objects.

Type: Integer

Required: Yes

Unit

The unit for start and end.

Type: String

Valid Values: DAYS

Required: Yes

End

The end time of when to include objects.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Readiness

Information indicating if the Calculated Attribute is ready for use by confirming all historical data has been processed and reflected.

Contents

Message

Any customer messaging.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

ProgressPercentage

Approximately how far the Calculated Attribute creation is from completion.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Recommendation

Represents a single recommendation generated by the recommender system.

Contents

CatalogItem

The catalog item being recommended, including its complete details and attributes.

Type: [CatalogItem](#) object

Required: No

Score

Recommendation Score between 0 and 1.

Type: Double

Valid Range: Minimum value of 0.0. Maximum value of 1.0.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RecommenderConfig

Configuration settings that define the behavior and parameters of a recommender.

Contents

EventsConfig

Configuration settings for how the recommender processes and uses events.

Type: [EventsConfig](#) object

Required: No

IncludedColumns

A map of dataset type to a list of column names to train on. The column names must be a subset of the columns defined in the recommender schema. If not specified, all columns in the schema are used for training. The following columns are always included and do not need to be specified: `Item.Id`, `ItemList[] .Id`, `EventTimestamp`, `EventType`, and `EventValue`.

Type: String to array of strings map

Map Entries: Maximum number of 2 items.

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

InferenceConfig

Configuration settings for how the recommender handles inference requests.

Type: [InferenceConfig](#) object

Required: No

TrainingFrequency

How often the recommender should retrain its model with new data.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 30.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RecommenderFilter

A filter that specifies criteria for including or excluding items from recommendations.

Contents

Name

The name of the recommender filter to apply.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

Values

The values to use when filtering recommendations. For each placeholder parameter in your filter expression, provide the parameter name (in matching case) as a key and the filter value(s) as the corresponding value. Separate multiple values for one parameter with a comma.

Type: String to string map

Map Entries: Maximum number of 25 items.

Key Length Constraints: Maximum length of 50.

Key Pattern: `[A-Za-z0-9_]+`

Value Length Constraints: Maximum length of 3000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RecommenderFilterSummary

Provides a summary of a recommender filter's configuration and current state.

Contents

CreatedAt

The timestamp when the recommender filter was created.

Type: Timestamp

Required: No

Description

A description of the recommender filter's purpose and characteristics.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

FailureReason

If the recommender filter is in a failed state, provides the reason for the failure.

Type: String

Required: No

RecommenderFilterExpression

The filter expression that defines which items to include or exclude from recommendations.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2500.

Required: No

RecommenderFilterName

The name of the recommender filter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [a-zA-Z0-9_-]+

Required: No

RecommenderSchemaName

The name of the recommender schema associated with this recommender filter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: ^[a-zA-Z0-9_-]+\$

Required: No

Status

The current operational status of the recommender filter.

Type: String

Valid Values: ACTIVE | PENDING | IN_PROGRESS | FAILED | DELETING

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: ^(?!aws:)[a-zA-Z+-._:/\$]+\$

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RecommenderPromotionalFilter

Contains information on a promotion. A promotion defines additional business rules that apply to a configurable subset of recommended items.

Contents

Name

The name of the recommender filter to use for the promotion.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

PercentPromotedItems

The percentage of recommended items to apply the promotion to.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

PromotionName

The name of the promotion.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

Values

The values to use when promoting items. For each placeholder parameter in your promotion's filter expression, provide the parameter name (in matching case) as a key and the filter value(s) as the corresponding value. Separate multiple values for one parameter with a comma.

Type: String to string map

Map Entries: Maximum number of 25 items.

Key Length Constraints: Maximum length of 50.

Key Pattern: [A-Za-z0-9_]+

Value Length Constraints: Maximum length of 3000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RecommenderRecipe

Defines the algorithm and approach used to generate recommendations.

Contents

description

A description of the recommender recipe's purpose and functionality.

Type: String

Required: No

name

The name of the recommender recipe.

Type: String

Valid Values: recommended-for-you | similar-items | frequently-paired-items
| popular-items | trending-now | personalized-ranking

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RecommenderSchemaField

Defines a column in a recommender schema, including the target field name and optional feature and content type settings for training.

Contents

TargetFieldName

The name of the target field in the dataset, such as `Location.City` or `Attributes.MealTime`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

ContentType

The data type of the column value. Valid values are `String` and `Number`. The default value is `String`.

Type: String

Valid Values: `STRING` | `NUMBER`

Required: No

FeatureType

How the column is treated for model training. Valid values are `CATEGORICAL` and `TEXTUAL`.

Type: String

Valid Values: `TEXTUAL` | `CATEGORICAL`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RecommenderSchemaSummary

Provides a summary of a recommender schema's configuration and current state.

Contents

CreatedAt

The timestamp when the recommender schema was created.

Type: Timestamp

Required: Yes

Fields

A map of dataset type to column definitions included in the schema.

Type: String to array of [RecommenderSchemaField](#) objects map

Map Entries: Maximum number of 1 item.

Array Members: Minimum number of 1 item. Maximum number of 9 items.

Required: Yes

RecommenderSchemaName

The name of the recommender schema.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: Yes

Status

The current operational status of the recommender schema.

Type: String

Valid Values: ACTIVE | DELETING

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RecommenderSummary

Provides a summary of a recommender's configuration and current state.

Contents

CreatedAt

The timestamp when the recommender was created.

Type: Timestamp

Required: No

Description

A description of the recommender's purpose and characteristics.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

FailureReason

If the recommender is in a failed state, provides the reason for the failure.

Type: String

Required: No

LastUpdatedAt

The timestamp of when the recommender was edited.

Type: Timestamp

Required: No

LatestRecommenderUpdate

Information about the most recent update performed on the recommender, including its status and timing.

Type: [RecommenderUpdate](#) object

Required: No

RecipeName

The name of the recipe used by this recommender.

Type: String

Valid Values: recommended-for-you | similar-items | frequently-paired-items
| popular-items | trending-now | personalized-ranking

Required: No

RecommenderConfig

The configuration settings applied to this recommender.

Type: [RecommenderConfig](#) object

Required: No

RecommenderName

The name of the recommender.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

RecommenderSchemaName

The name of the recommender schema associated with this recommender.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

Status

The current operational status of the recommender.

Type: String

Valid Values: PENDING | IN_PROGRESS | ACTIVE | FAILED | STOPPING | INACTIVE
| STARTING | DELETING

Required: No

Tags

The tags used to organize, track, or control access for this resource.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._:/$]`

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RecommenderUpdate

Contains information about an update operation performed on a recommender.

Contents

CreatedAt

The timestamp when this recommender update was initiated.

Type: Timestamp

Required: No

FailureReason

If the update operation failed, provides the reason for the failure.

Type: String

Required: No

LastUpdatedAt

The timestamp of when the recommender was edited.

Type: Timestamp

Required: No

RecommenderConfig

The updated configuration settings applied to the recommender during this update.

Type: [RecommenderConfig](#) object

Required: No

Status

The current status of the recommender update operation.

Type: String

Valid Values: PENDING | IN_PROGRESS | ACTIVE | FAILED | STOPPING | INACTIVE
| STARTING | DELETING

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ResultsSummary

The summary of results for an upload job, including the number of updated, created, and failed records.

Contents

CreatedRecords

The number of records that were newly created during the upload job.

Type: Long

Required: No

FailedRecords

The number of records that failed to be processed during the upload job.

Type: Long

Required: No

UpdatedRecords

The number of records that were updated during the upload job.

Type: Long

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RuleBasedMatchingRequest

The request to enable the rule-based matching.

Contents

Enabled

The flag that enables the rule-based matching process of duplicate profiles.

Type: Boolean

Required: Yes

AttributeTypesSelector

Configures information about the `AttributeTypesSelector` where the rule-based identity resolution uses to match profiles.

Type: [AttributeTypesSelector](#) object

Required: No

ConflictResolution

How the auto-merging process should resolve conflicts between different profiles.

Type: [ConflictResolution](#) object

Required: No

ExportingConfig

Configuration information about the S3 bucket where Identity Resolution Jobs writes result files.

Note

You need to give Customer Profiles service principal write permission to your S3 bucket. Otherwise, you'll get an exception in the API response. For an example policy, see [Amazon Connect Customer Profiles cross-service confused deputy prevention](#).

Type: [ExportingConfig](#) object

Required: No

MatchingRules

Configures how the rule-based matching process should match profiles. You can have up to 15 MatchingRule in the MatchingRules.

Type: Array of [MatchingRule](#) objects

Array Members: Minimum number of 1 item. Maximum number of 15 items.

Required: No

MaxAllowedRuleLevelForMatching

Indicates the maximum allowed rule level.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 15.

Required: No

MaxAllowedRuleLevelForMerging

[MatchingRule](#)

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 15.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RuleBasedMatchingResponse

The response of the Rule-based matching request.

Contents

AttributeTypesSelector

Configures information about the `AttributeTypesSelector` where the rule-based identity resolution uses to match profiles.

Type: [AttributeTypesSelector](#) object

Required: No

ConflictResolution

How the auto-merging process should resolve conflicts between different profiles.

Type: [ConflictResolution](#) object

Required: No

Enabled

The flag that enables the rule-based matching process of duplicate profiles.

Type: Boolean

Required: No

ExportingConfig

Configuration information about the S3 bucket where Identity Resolution Jobs writes result files.

Note

You need to give Customer Profiles service principal write permission to your S3 bucket. Otherwise, you'll get an exception in the API response. For an example policy, see [Amazon Connect Customer Profiles cross-service confused deputy prevention](#).

Type: [ExportingConfig](#) object

Required: No

MatchingRules

Configures how the rule-based matching process should match profiles. You can have up to 15 MatchingRule in the MatchingRules.

Type: Array of [MatchingRule](#) objects

Array Members: Minimum number of 1 item. Maximum number of 15 items.

Required: No

MaxAllowedRuleLevelForMatching

Indicates the maximum allowed rule level.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 15.

Required: No

MaxAllowedRuleLevelForMerging

[MatchingRule](#)

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 15.

Required: No

Status

PENDING

- The first status after configuration a rule-based matching rule. If it is an existing domain, the rule-based Identity Resolution waits one hour before creating the matching rule. If it is a new domain, the system will skip the PENDING stage.

IN_PROGRESS

- The system is creating the rule-based matching rule. Under this status, the system is evaluating the existing data and you can no longer change the Rule-based matching configuration.

ACTIVE

- The rule is ready to use. You can change the rule a day after the status is in ACTIVE.

Type: String

Valid Values: PENDING | IN_PROGRESS | ACTIVE

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

S3ExportingConfig

Configuration information about the S3 bucket where Identity Resolution Jobs write result files.

Contents

S3BucketName

The name of the S3 bucket where Identity Resolution Jobs write result files.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `^[a-z0-9.-]+$`

Required: Yes

S3KeyName

The S3 key name of the location where Identity Resolution Jobs write result files.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 800.

Pattern: `.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

S3ExportingLocation

The S3 location where Identity Resolution Jobs write result files.

Contents

S3BucketName

The name of the S3 bucket name where Identity Resolution Jobs write result files.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `^[a-z0-9.-]+$`

Required: No

S3KeyName

The S3 key name of the location where Identity Resolution Jobs write result files.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `.*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

S3SourceProperties

The properties that are applied when Amazon S3 is being used as the flow source.

Contents

BucketName

The Amazon S3 bucket name where the source files are stored.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: \S+

Required: Yes

BucketPrefix

The object key for the Amazon S3 bucket in which the source files are stored.

Type: String

Length Constraints: Maximum length of 512.

Pattern: .*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SalesforceSourceProperties

The properties that are applied when Salesforce is being used as a source.

Contents

Object

The object specified in the Salesforce flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

EnableDynamicFieldUpdate

The flag that enables dynamic fetching of new (recently added) fields in the Salesforce objects while running a flow.

Type: Boolean

Required: No

IncludeDeletedRecords

Indicates whether Amazon AppFlow includes deleted files in the flow run.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

ScheduledTriggerProperties

Specifies the configuration details of a scheduled-trigger flow that you define. Currently, these settings only apply to the scheduled-trigger type.

Contents

ScheduleExpression

The scheduling expression that determines the rate at which the schedule will run, for example rate (5 minutes).

Type: String

Length Constraints: Maximum length of 256.

Pattern: .*

Required: Yes

DataPullMode

Specifies whether a scheduled flow has an incremental data transfer or a complete data transfer for each flow run.

Type: String

Valid Values: Incremental | Complete

Required: No

FirstExecutionFrom

Specifies the date range for the records to import from the connector in the first flow run.

Type: Timestamp

Required: No

ScheduleEndTime

Specifies the scheduled end time for a scheduled-trigger flow.

Type: Timestamp

Required: No

ScheduleOffset

Specifies the optional offset that is added to the time interval for a schedule-triggered flow.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 36000.

Required: No

ScheduleStartTime

Specifies the scheduled start time for a scheduled-trigger flow.

Type: Timestamp

Required: No

Timezone

Specifies the time zone used when referring to the date and time of a scheduled-triggered flow, such as America/New_York.

Type: String

Length Constraints: Maximum length of 256.

Pattern: .*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SegmentDefinitionItem

Object holding the segment definition fields.

Contents

CreatedAt

When the segment definition was created.

Type: Timestamp

Required: No

Description

The description of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4000.

Required: No

DisplayName

Display name of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

SegmentDefinitionArn

The arn of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

SegmentDefinitionName

Name of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

SegmentType

The segment type.

Classic : Segments created using traditional SegmentGroup structure

Enhanced : Segments created using SQL queries

Type: String

Valid Values: CLASSIC | ENHANCED

Required: No

Tags

The tags belonging to the segment definition.

Type: String to string map

Map Entries: Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `^(?!aws:)[a-zA-Z+-._: /]+$`

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SegmentGroup

Contains all groups of the segment definition.

Contents

Groups

Holds the list of groups within the segment definition.

Type: Array of [Group](#) objects

Required: No

Include

Defines whether to include or exclude the profiles that fit the segment criteria.

Type: String

Valid Values: ALL | ANY | NONE

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SegmentGroupStructure

Contains all groups of the segment definition.

Contents

Groups

Holds the list of groups within the segment definition.

Type: Array of [Group](#) objects

Required: No

Include

Define whether to include or exclude the profiles that fit the segment criteria.

Type: String

Valid Values: ALL | ANY | NONE

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SegmentSort

Defines how segments should be sorted and ordered in the results.

Contents

Attributes

A list of attributes used to sort the segments and their ordering preferences.

Type: Array of [SortAttribute](#) objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ServiceNowSourceProperties

The properties that are applied when ServiceNow is being used as a source.

Contents

Object

The object specified in the ServiceNow flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SortAttribute

Defines the characteristics and rules for sorting by a specific attribute.

Contents

Name

The name of the attribute to sort by.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_.-]+$`

Required: Yes

Order

The sort order for the attribute (ascending or descending).

Type: String

Valid Values: ASC | DESC

Required: Yes

DataType

The data type of the sort attribute (e.g., string, number, date).

Type: String

Valid Values: STRING | NUMBER | DATE

Required: No

Type

The type of attribute (e.g., profile, calculated).

Type: String

Valid Values: PROFILE | CALCULATED

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SourceConnectorProperties

Specifies the information that is required to query a particular Amazon AppFlow connector. Customer Profiles supports Salesforce, Zendesk, Marketo, ServiceNow and Amazon S3.

Contents

Marketo

The properties that are applied when Marketo is being used as a source.

Type: [MarketoSourceProperties](#) object

Required: No

S3

The properties that are applied when Amazon S3 is being used as the flow source.

Type: [S3SourceProperties](#) object

Required: No

Salesforce

The properties that are applied when Salesforce is being used as a source.

Type: [SalesforceSourceProperties](#) object

Required: No

ServiceNow

The properties that are applied when ServiceNow is being used as a source.

Type: [ServiceNowSourceProperties](#) object

Required: No

Zendesk

The properties that are applied when using Zendesk as a flow source.

Type: [ZendeskSourceProperties](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SourceFlowConfig

Contains information about the configuration of the source connector used in the flow.

Contents

ConnectorType

The type of connector, such as Salesforce, Marketo, and so on.

Type: String

Valid Values: Salesforce | Marketo | Zendesk | Servicenow | S3

Required: Yes

SourceConnectorProperties

Specifies the information that is required to query a particular source connector.

Type: [SourceConnectorProperties](#) object

Required: Yes

ConnectorProfileName

The name of the AppFlow connector profile. This name must be unique for each connector profile in the AWS account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=. - ]+`

Required: No

IncrementalPullConfig

Defines the configuration for a scheduled incremental data pull. If a valid configuration is provided, the fields specified in the configuration are used when querying for the incremental data pull.

Type: [IncrementalPullConfig](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SourceSegment

The source segments to build off of.

Contents

SegmentDefinitionName

The unique name of the segment definition.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_-]+$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Task

A class for modeling different type of tasks. Task implementation varies based on the TaskType.

Contents

SourceFields

The source fields to which a particular task is applied.

Type: Array of strings

Length Constraints: Maximum length of 2048.

Pattern: . *

Required: Yes

TaskType

Specifies the particular task implementation that Amazon AppFlow performs.

Type: String

Valid Values: Arithmetic | Filter | Map | Mask | Merge | Truncate | Validate

Required: Yes

ConnectorOperator

The operation to be performed on the provided source fields.

Type: [ConnectorOperator](#) object

Required: No

DestinationField

A field in a destination connector, or a field value against which Amazon AppFlow validates a source field.

Type: String

Length Constraints: Maximum length of 256.

Pattern: . *

Required: No

TaskProperties

A map used to store task-related information. The service looks for particular information based on the TaskType.

Type: String to string map

Valid Keys: VALUE | VALUES | DATA_TYPE | UPPER_BOUND | LOWER_BOUND
| SOURCE_DATA_TYPE | DESTINATION_DATA_TYPE | VALIDATION_ACTION |
MASK_VALUE | MASK_LENGTH | TRUNCATE_LENGTH | MATH_OPERATION_FIELDS_ORDER
| CONCAT_FORMAT | SUBFIELD_CATEGORY_MAP

Value Length Constraints: Maximum length of 2048.

Value Pattern: . +

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Threshold

The threshold for the calculated attribute.

Contents

Operator

The operator of the threshold.

Type: String

Valid Values: EQUAL_TO | GREATER_THAN | LESS_THAN | NOT_EQUAL_TO

Required: Yes

Value

The value of the threshold.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

TrainingMetrics

Contains metrics and performance indicators from the training of a recommender model.

Contents

Metrics

A collection of performance metrics and statistics from the training process.

Type: String to double map

Valid Keys: hit | coverage | recall | popularity | freshness | similarity | mean_reciprocal_rank_at_25 | normalized_discounted_cumulative_gain_at_5 | normalized_discounted_cumulative_gain_at_10 | normalized_discounted_cumulative_gain_at_25 | precision_at_5 | precision_at_10 | precision_at_25

Required: No

Time

The timestamp when these training metrics were recorded.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

TriggerConfig

The trigger settings that determine how and when Amazon AppFlow runs the specified flow.

Contents

TriggerType

Specifies the type of flow trigger. It can be OnDemand, Scheduled, or Event.

Type: String

Valid Values: Scheduled | Event | OnDemand

Required: Yes

TriggerProperties

Specifies the configuration details of a schedule-triggered flow that you define. Currently, these settings only apply to the Scheduled trigger type.

Type: [TriggerProperties](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

TriggerProperties

Specifies the configuration details that control the trigger for a flow. Currently, these settings only apply to the Scheduled trigger type.

Contents

Scheduled

Specifies the configuration details of a schedule-triggered flow that you define.

Type: [ScheduledTriggerProperties](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

UpdateAddress

Updates associated with the address properties of a customer profile.

Contents

Address1

The first line of a customer address.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

Address2

The second line of a customer address.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

Address3

The third line of a customer address.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

Address4

The fourth line of a customer address.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

City

The city in which a customer lives.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

Country

The country in which a customer lives.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

County

The county in which a customer lives.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

PostalCode

The postal code of a customer address.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

Province

The province in which a customer lives.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

State

The state in which a customer lives.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

UploadJobItem

The summary information for an individual upload job.

Contents

CompletedAt

The timestamp when the upload job was completed.

Type: Timestamp

Required: No

CreatedAt

The timestamp when the upload job was created.

Type: Timestamp

Required: No

DataExpiry

The expiry duration for the profiles ingested with the upload job.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1098.

Required: No

DisplayName

The name of the upload job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

JobId

The unique identifier of the upload job.

Type: String

Pattern: [a-f0-9]{32}

Required: No

Status

The current status of the upload job.

Type: String

Valid Values: CREATED | IN_PROGRESS | PARTIALLY_SUCCEEDED | SUCCEEDED | FAILED | STOPPED

Required: No

StatusReason

The reason for the current status of the upload job.

Type: String

Valid Values: VALIDATION_FAILURE | INTERNAL_FAILURE

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ValueRange

A structure letting customers specify a relative time window over which over which data is included in the Calculated Attribute. Use positive numbers to indicate that the endpoint is in the past, and negative numbers to indicate it is in the future. ValueRange overrides Value.

Contents

End

The end time of when to include objects. Use positive numbers to indicate that the starting point is in the past, and negative numbers to indicate it is in the future.

Type: Integer

Required: Yes

Start

The start time of when to include objects. Use positive numbers to indicate that the starting point is in the past, and negative numbers to indicate it is in the future.

Type: Integer

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

WorkflowAttributes

Structure to hold workflow attributes.

Contents

AppflowIntegration

Workflow attributes specific to APPFLOW_INTEGRATION workflow.

Type: [AppflowIntegrationWorkflowAttributes](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

WorkflowMetrics

Generic object containing workflow execution metrics.

Contents

AppflowIntegration

Workflow execution metrics for APPFLOW_INTEGRATION workflow.

Type: [AppflowIntegrationWorkflowMetrics](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

WorkflowStepItem

List containing steps in workflow.

Contents

AppflowIntegration

Workflow step information specific to APPFLOW_INTEGRATION workflow.

Type: [AppflowIntegrationWorkflowStep](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ZendeskSourceProperties

The properties that are applied when using Zendesk as a flow source.

Contents

Object

The object specified in the Zendesk flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key/YYYYMMDD/region/service/aws4_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400

Amazon Connect Customer Profiles and interface VPC endpoints (AWS PrivateLink)

You can establish a private connection between your VPC and Amazon Connect Customer Profiles by creating an *interface VPC endpoint*. Interface endpoints are powered by [AWS PrivateLink](#), a technology that enables you to privately access Amazon Connect Customer Profiles APIs without an internet gateway, NAT device, VPN connection, or Direct Connect connection. Instances in your VPC don't need public IP addresses to communicate with Amazon Connect Customer Profiles APIs. Traffic between your VPC and Amazon Connect Customer Profiles does not leave the Amazon network.

Each interface endpoint is represented by one or more [Elastic network interfaces](#) in your subnets.

For more information, see [Interface VPC endpoints \(AWS PrivateLink\)](#) in the *AWS PrivateLink Guide*.

Considerations for Amazon Connect Customer Profiles VPC endpoints

Before you set up an interface VPC endpoint for Amazon Connect Customer Profiles, ensure that you review [Interface endpoint properties and limitations](#) in the *AWS PrivateLink Guide*.

Amazon Connect Customer Profiles supports making calls to all of its API actions from your VPC.

Creating an interface VPC endpoint for Amazon Connect Customer Profiles

You can create a VPC endpoint for the Amazon Connect Customer Profiles service using either the Amazon VPC console or the AWS Command Line Interface (AWS CLI). For more information, see [Creating an interface endpoint](#) in the *AWS PrivateLink Guide*.

Create a VPC endpoint for Amazon Connect Customer Profiles using the following service name:

- `com.amazonaws.region.profile`

If you enable private DNS for the endpoint, you can make API requests to Amazon Connect Customer Profiles using its default DNS name for the Region, for example, `profile.us-east-1.amazonaws.com`.

For more information, see [Accessing a service through an interface endpoint](#) in the *AWS PrivateLink Guide*.

Creating a VPC endpoint policy for Amazon Connect Customer Profiles

You can attach an endpoint policy to your VPC endpoint that controls access to Amazon Connect Customer Profiles. The policy specifies the following information:

- The principal that can perform actions.
- The actions that can be performed.
- The resources on which actions can be performed.

For more information, see [Controlling access to services with VPC endpoints](#) in the *AWS PrivateLink Guide*.

Example: VPC endpoint policy for Amazon Connect Customer Profiles actions

The following VPC endpoint policy grants access to the listed Amazon Connect Customer Profiles actions for all principals on all resources.

```
{
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "profile:CreateDomain",
        "profile:CreateProfile",
        "profile:UpdateProfile"
      ],
      "Resource": "*",
      "Principal": "*"
    }
  ]
}
```