aws

API Reference

AWS User Experience Customization Service

API Version 2024-07-01

AWS User Experience Customization Service: API Reference

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Welcome

This is the AWS User Experience Customization (UXC) API Reference. AWS User Experience Customization (UXC) is a utility that provides programmatic access to enable account administrators to customize the visual appearance of the AWS Management Console and manage these settings at the account level.

> ⓘ **Note**
>
> The `visibleServices` and `visibleRegions` settings control only the appearance of services and Regions in the AWS Management Console. They do not restrict access through the AWS CLI, SDKs, or other APIs.

For more information about UXC features and console procedures, see Getting started with AWS User Experience Customization. For information about required permissions, see Identity and access management for AWS Management Console.

This document was last published on March 27, 2026.

Actions

The following actions are supported:

- [DeleteAccountColor](#)
- [GetAccountColor](#)
- [GetAccountCustomizations](#)
- [ListServices](#)
- [PutAccountColor](#)
- [UpdateAccountCustomizations](#)

DeleteAccountColor

Deletes the account color setting.

This action has been deprecated. Use [UpdateAccountCustomizations](#) with `accountColor` set to "none" instead.

Request Syntax

```
DELETE /v1/account-color HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Elements

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

Errors

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request was denied because of request throttling. Reduce the frequency of your requests.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints that are specified by the service.

HTTP Status Code: 400

GetAccountColor

Gets the color associated with the account.

This action has been deprecated. Use [GetAccountCustomizations](#) instead.

Request Syntax

```
GET /v1/account-color HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
    "color": "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.

color

The color associated with the account.

Type: String

Valid Values: `none` | `pink` | `purple` | `darkBlue` | `lightBlue` | `teal` | `green` | `yellow` | `orange` | `red`

Errors

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request was denied because of request throttling. Reduce the frequency of your requests.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints that are specified by the service.

HTTP Status Code: 400

GetAccountCustomizations

Returns the current account customization settings, including account color, visible services, and visible Regions. Settings that you have not configured return their default values: visible Regions and visible services return `null`, and account color returns `none`.

> ℹ️ **Note**
>
> The `visibleServices` and `visibleRegions` settings control only the appearance of services and Regions in the AWS Management Console. They do not restrict access through the AWS CLI, SDKs, or other APIs.

Request Syntax

```
GET /v1/account-customizations HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "accountColor": "string",
   "visibleRegions": [ "string" ],
   "visibleServices": [ "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.

accountColor

The account color preference. A value of none indicates that you have not set a color.

Type: String

Valid Values: `none` | `pink` | `purple` | `darkBlue` | `lightBlue` | `teal` | `green` | `yellow` | `orange` | `red`

visibleRegions

The list of AWS Region codes that are visible to the account in the AWS Management Console. A value of `null` indicates that you have not configured this feature and all Regions are visible. For a list of valid Region codes, see AWS Regions.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Pattern: `[a-z]{2}(-[a-z]{1,10}){1,2}-[1-9]`

visibleServices

The list of AWS service identifiers that are visible to the account in the AWS Management Console. A value of `null` indicates that you have not configured this feature and all services are visible. For valid service identifiers, call ListServices.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 500 items.

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

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have sufficient access to perform this operation. Verify that your IAM policy includes the required `uxc:` permissions for the operation that you are calling. For more information on IAM permissions, see [AWS managed policies for AWS Management Console](#).

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request was denied because of request throttling. Reduce the frequency of your requests.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The list of fields that are invalid.

HTTP Status Code: 400

Examples

Retrieve account customizations when all settings are configured

The following example retrieves the current account customization settings. In this example, all three settings have been previously configured.

Sample Request

```
GET /v1/account-customizations HTTP/1.1
Host: uxc.us-east-1.amazonaws.com
Content-type: application/json
```

Sample Response

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

{
    "accountColor": "teal",
    "visibleServices": ["s3", "ec2", "lambda"],
    "visibleRegions": ["us-east-1", "us-west-2"]
}
```

Retrieve account customizations when some settings are not configured

The following example retrieves the current account customization settings. In this example, account color and visible Regions have not been configured, so they return `null`.

Sample Request

```
GET /v1/account-customizations HTTP/1.1
Host: uxc.us-east-1.amazonaws.com
Content-type: application/json
```

Sample Response

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

{
    "accountColor": "none",
    "visibleServices": ["s3", "ec2", "lambda"],
    "visibleRegions": null
}
```

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](#)

ListServices

Returns a paginated list of AWS service identifiers that you can use as values for the `visibleServices` setting in [UpdateAccountCustomizations](). The available services vary by AWS partition. Use pagination to retrieve all results.

> ⓘ **Note**
>
> The `visibleServices` setting controls only the appearance of services in the AWS Management Console. It does not restrict access through the AWS CLI, SDKs, or other APIs.

Request Syntax

```
GET /v1/services?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 1000.

nextToken

The token for retrieving the next page of results. Use the `nextToken` value from a previous response.

Length Constraints: Minimum length of 32. Maximum length of 512.

Pattern: `[-A-Za-z0-9+/_]+=*`

Request Body

The request does not have a request body.

Response Syntax

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

{
    "nextToken": "string",
    "services": [ "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

The token for retrieving the next page of results. This value is `null` when no more results are available.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 512.

Pattern: `[-A-Za-z0-9+/_]+=*`

services

The list of available AWS service identifiers.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 500 items.

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

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have sufficient access to perform this operation. Verify that your IAM policy includes the required `uxc:` permissions for the operation that you are calling. For more information on IAM permissions, see [AWS managed policies for AWS Management Console](#).

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request was denied because of request throttling. Reduce the frequency of your requests.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The list of fields that are invalid.

HTTP Status Code: 400

Examples

List available service identifiers

The following example retrieves the first page of available service identifiers with a maximum of three results per page. The `nextToken` value in the response indicates that additional results are available.

Sample Request

```
GET /v1/services?maxResults=3 HTTP/1.1
Host: uxc.us-east-1.amazonaws.com
Content-type: application/json
```

Sample Response

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

{
    "services": ["dynamodb", "ec2", "fargate"],
    "nextToken": "eyJpZCI6MTIzfQ=="
}
```

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](#)

PutAccountColor

Sets the color associated with an account.

This action has been deprecated. Use UpdateAccountCustomizations instead.

Request Syntax

```
PUT /v1/account-color HTTP/1.1
Content-type: application/json

{
    "color": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

color

    The color to associate with the account.

    Type: String

    Valid Values: `none | pink | purple | darkBlue | lightBlue | teal | green | yellow | orange | red`

    Required: Yes

Response Syntax

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

{
```

```
    "color": "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.

color

> The color associated with the account.
>
> Type: String
>
> Valid Values: none | pink | purple | darkBlue | lightBlue | teal | green | yellow | orange | red

Errors

AccessDeniedException

> You do not have sufficient access to perform this action.
>
> HTTP Status Code: 403

InternalServerException

> The service encountered an internal error. Try your request again later.
>
> HTTP Status Code: 500

ThrottlingException

> The request was denied because of request throttling. Reduce the frequency of your requests.
>
> HTTP Status Code: 429

ValidationException

> The input does not satisfy the constraints that are specified by the service.
>
> HTTP Status Code: 400

UpdateAccountCustomizations

Updates one or more account customization settings. You can update account color, visible services, and visible Regions in a single request. Only the settings that you include in the request body are modified. Omitted settings remain unchanged. To reset a setting to its default behavior, set the value to `null` for visible Regions and visible services, or none for account color. This operation is idempotent.

> ### ⓘ Note
>
> The `visibleServices` and `visibleRegions` settings control only the appearance of services and Regions in the AWS Management Console. They do not restrict access through the AWS CLI, SDKs, or other APIs.

Request Syntax

```
PATCH /v1/account-customizations HTTP/1.1
Content-type: application/json

{
    "accountColor": "string",
    "visibleRegions": [ "string" ],
    "visibleServices": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

accountColor

The account color preference to set. Set to none to reset to the default (no color).

Type: String

Valid Values: `none` | `pink` | `purple` | `darkBlue` | `lightBlue` | `teal` | `green` | `yellow` | `orange` | `red`

Required: No

visibleRegions

The list of AWS Region codes to make visible in the AWS Management Console. Set to `null` to reset to the default, which makes all Regions visible. For a list of valid Region codes, see AWS Regions.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Pattern: `[a-z]{2}(-[a-z]{1,10}){1,2}-[1-9]`

Required: No

visibleServices

The list of AWS service identifiers to make visible in the AWS Management Console. Set to `null` to reset to the default, which makes all services visible. For valid service identifiers, call ListServices.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 500 items.

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

Pattern: `[a-z0-9]+(-[a-z0-9]+)*`

Required: No

Response Syntax

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

{
   "accountColor": "string",
   "visibleRegions": [ "string" ],
```

```
    "visibleServices": [ "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.

accountColor

   The current account color preference after the update.

   Type: String

   Valid Values: none | pink | purple | darkBlue | lightBlue | teal | green | yellow | orange | red

visibleRegions

   The current list of visible Region codes after the update.

   Type: Array of strings

   Array Members: Minimum number of 0 items. Maximum number of 100 items.

   Pattern: [a-z]{2}(-[a-z]{1,10}){1,2}-[1-9]

visibleServices

   The current list of visible service identifiers after the update.

   Type: Array of strings

   Array Members: Minimum number of 0 items. Maximum number of 500 items.

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

   Pattern: [a-z0-9]+(-[a-z0-9]+)*

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have sufficient access to perform this operation. Verify that your IAM policy includes the required `uxc:` permissions for the operation that you are calling. For more information on IAM permissions, see [AWS managed policies for AWS Management Console](#).

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request was denied because of request throttling. Reduce the frequency of your requests.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

fieldList

The list of fields that are invalid.

HTTP Status Code: 400

Examples

Update all account customization settings

The following example sets the account color, visible services, and visible Regions in a single request. The response returns the current state of all settings after the update.

Sample Request

```
PATCH /v1/account-customizations HTTP/1.1
Host: uxc.us-east-1.amazonaws.com
Content-type: application/json


{
```

```
    "accountColor": "teal",
    "visibleServices": ["s3", "ec2", "lambda"],
    "visibleRegions": ["us-east-1", "us-west-2"]
}
```

Sample Response

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

{
    "accountColor": "teal",
    "visibleServices": ["s3", "ec2", "lambda"],
    "visibleRegions": ["us-east-1", "us-west-2"]
}
```

Reset a setting to its default behavior

The following example resets the account color to its default (no color) by setting the value to none. The visible services and visible Regions settings are omitted from the request, so they remain unchanged.

Sample Request

```
PATCH /v1/account-customizations HTTP/1.1
Host: uxc.us-east-1.amazonaws.com
Content-type: application/json

{
    "accountColor": "none"
}
```

Sample Response

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

{
    "accountColor": "none",
    "visibleServices": ["s3", "ec2", "lambda"],
    "visibleRegions": ["us-east-1", "us-west-2"]
```

```
}
```

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 AWS User Experience Customization 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:

- [ValidationExceptionField](#)

ValidationExceptionField

Describes a validation exception for a specific field.

Contents

message

A message describing the validation exception.

Type: String

Required: Yes

path

The field name with the validation exception.

Type: String

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 Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

UnknownOperationException

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400