



API Reference

# AWS User Notifications Contacts



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## **AWS User Notifications Contacts: API Reference**

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# Welcome

AWS User Notifications Contacts is a service that allows you to create and manage email contacts for AWS User Notifications. The AWS User Notifications Contacts API Reference provides descriptions, API request parameters, and the JSON response for all email contact related API actions.

## Note

For information about descriptions, API request parameters, and the JSON response for all other AWS User Notifications related API actions, see the [AWS User Notifications API Reference Guide](#).

This document was last published on May 12, 2026.

# Actions

The following actions are supported:

- [ActivateEmailContact](#)
- [CreateEmailContact](#)
- [DeleteEmailContact](#)
- [GetEmailContact](#)
- [ListEmailContacts](#)
- [ListTagsForResource](#)
- [SendActivationCode](#)
- [TagResource](#)
- [UntagResource](#)

# ActivateEmailContact

Activates an email contact using an activation code. This code is in the activation email sent to the email address associated with this email contact.

## Request Syntax

```
PUT /emailcontacts/arn/activate/code HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### arn

The Amazon Resource Name (ARN) of the resource.

Pattern: `arn:[a-z-]{3,10}:notifications-contacts::[0-9]{12}:emailcontact/[a-z0-9]{27}`

Required: Yes

### code

The activation code for this email contact.

An email contact has a maximum of five activation attempts. Activation codes expire after 12 hours and are generated by the [SendActivationCode](#) API action.

Length Constraints: Fixed length of 7.

Pattern: `[a-z0-9]{7}`

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

### ConflictException

Updating or deleting a resource can cause an inconsistent state.

#### **resourceId**

The resource ID that prompted the conflict error.

#### **resourceType**

The resource type that prompted the conflict error.

HTTP Status Code: 409

### InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

### ResourceNotFoundException

Your request references a resource which does not exist.

#### **resourceId**

The ID of the resource that wasn't found.

#### **resourceType**

The type of resource that wasn't found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

### **quotaCode**

Identifies the quota that is being throttled.

### **retryAfterSeconds**

The number of seconds a client should wait before retrying the request.

### **serviceCode**

Identifies the service being throttled.

HTTP Status Code: 429

## ValidationException

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

### **fieldList**

The list of input fields that are invalid.

### **reason**

The reason why your input is considered invalid.

HTTP Status Code: 400

## 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](#)

# CreateEmailContact

Creates an email contact for the provided email address.

## Request Syntax

```
POST /2022-09-19/emailcontacts HTTP/1.1
Content-type: application/json
```

```
{
  "emailAddress": "string",
  "name": "string",
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### emailAddress

The email address this email contact points to. The activation email and any subscribed emails are sent here.

#### Note

This email address can't receive emails until it's activated.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 254.

Pattern: (.+)(.+)@(.+)

Required: Yes

## name

The name of the email contact.

Type: String

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

Pattern: `.*[\w-.\~]+.*`

Required: Yes

## tags

A map of tags assigned to a resource. A tag is a string-to-string map of key-value pairs.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Pattern: `(?!aws:).{1,128}`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "arn": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Pattern: `arn:[a-z-]{3,10}:notifications-contacts::[0-9]{12}:emailcontact/[a-z0-9]{27}`

## 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

### ConflictException

Updating or deleting a resource can cause an inconsistent state.

#### **resourceId**

The resource ID that prompted the conflict error.

#### **resourceType**

The resource type that prompted the conflict error.

HTTP Status Code: 409

### InternalServerErrorException

Unexpected error during processing of request.

HTTP Status Code: 500

### ServiceQuotaExceededException

Request would cause a service quota to be exceeded.

#### **quotaCode**

The code for the service quota in [Service Quotas](#).

#### **resourceId**

The ID of the resource that exceeds the service quota.

**resourceType**

The type of the resource that exceeds the service quota.

**serviceCode**

The code for the service quota exceeded in [Service Quotas](#).

HTTP Status Code: 402

**ThrottlingException**

The request was denied due to request throttling.

**quotaCode**

Identifies the quota that is being throttled.

**retryAfterSeconds**

The number of seconds a client should wait before retrying the request.

**serviceCode**

Identifies the service being throttled.

HTTP Status Code: 429

**ValidationException**

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

**fieldList**

The list of input fields that are invalid.

**reason**

The reason why your input is considered invalid.

HTTP Status Code: 400

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

# DeleteEmailContact

Deletes an email contact.

## Note

Deleting an email contact removes it from all associated notification configurations.

## Request Syntax

```
DELETE /emailcontacts/arn HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### arn

The Amazon Resource Name (ARN) of the resource.

Pattern: `arn:[a-z-]{3,10}:notifications-contacts::[0-9]{12}:emailcontact/[a-z0-9]{27}`

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

### ConflictException

Updating or deleting a resource can cause an inconsistent state.

#### **resourceId**

The resource ID that prompted the conflict error.

#### **resourceType**

The resource type that prompted the conflict error.

HTTP Status Code: 409

### InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

### ResourceNotFoundException

Your request references a resource which does not exist.

#### **resourceId**

The ID of the resource that wasn't found.

#### **resourceType**

The type of resource that wasn't found.

HTTP Status Code: 404

### ThrottlingException

The request was denied due to request throttling.

**quotaCode**

Identifies the quota that is being throttled.

**retryAfterSeconds**

The number of seconds a client should wait before retrying the request.

**serviceCode**

Identifies the service being throttled.

HTTP Status Code: 429

**ValidationException**

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

**fieldList**

The list of input fields that are invalid.

**reason**

The reason why your input is considered invalid.

HTTP Status Code: 400

**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](#)

# GetEmailContact

Returns an email contact.

## Request Syntax

```
GET /emailcontacts/arn HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [arn](#)

The Amazon Resource Name (ARN) of the email contact to get.

Pattern: `arn:[a-z-]{3,10}:notifications-contacts::[0-9]{12}:emailcontact/[a-z0-9]{27}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{  
  "emailContact": {  
    "address": "string",  
    "arn": "string",  
    "creationTime": "string",  
    "name": "string",  
    "status": "string",  
    "updateTime": "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.

### emailContact

The email contact for the provided email address.

Type: [EmailContact](#) 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

### **InternalServerErrorException**

Unexpected error during processing of request.

HTTP Status Code: 500

### **ResourceNotFoundException**

Your request references a resource which does not exist.

#### **resourceId**

The ID of the resource that wasn't found.

#### **resourceType**

The type of resource that wasn't found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

**quotaCode**

Identifies the quota that is being throttled.

**retryAfterSeconds**

The number of seconds a client should wait before retrying the request.

**serviceCode**

Identifies the service being throttled.

HTTP Status Code: 429

**ValidationException**

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

**fieldList**

The list of input fields that are invalid.

**reason**

The reason why your input is considered invalid.

HTTP Status Code: 400

**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](#)

# ListEmailContacts

Lists all email contacts created under the Account.

## Request Syntax

```
GET /emailcontacts?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of results to include in the response. If more results exist than the specified MaxResults value, a token is included in the response so that the remaining results can be retrieved.

Valid Range: Minimum value of 1. Maximum value of 100.

### nextToken

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response includes only results beyond the token, up to the value specified by MaxResults.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "emailContacts": [
    {
      "address": "string",
      "arn": "string",
```

```
    "creationTime": "string",
    "name": "string",
    "status": "string",
    "updateTime": "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.

### emailContacts

A list of email contacts.

Type: Array of [EmailContact](#) objects

### nextToken

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response includes only results beyond the token, up to the value specified by MaxResults.

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

### **InternalServerErrorException**

Unexpected error during processing of request.

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

#### **quotaCode**

Identifies the quota that is being throttled.

#### **retryAfterSeconds**

The number of seconds a client should wait before retrying the request.

#### **serviceCode**

Identifies the service being throttled.

HTTP Status Code: 429

### **ValidationException**

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

#### **fieldList**

The list of input fields that are invalid.

#### **reason**

The reason why your input is considered invalid.

HTTP Status Code: 400

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

# ListTagsForResource

Lists all of the tags associated with the Amazon Resource Name (ARN) that you specify. The resource can be a user, server, or role.

## Request Syntax

```
GET /tags/arn HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [arn](#)

The ARN you specified to list the tags of.

Pattern: `arn:[a-z-]{3,10}:notifications-contacts::[0-9]{12}:emailcontact/[a-z0-9]{27}`

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

Key-value pairs that are assigned to a resource, usually for the purpose of grouping and searching for items. Tags are metadata that you define.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Pattern: (?!aws:).{1,128}

Value Length Constraints: Minimum length of 0. 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

### **InternalServerErrorException**

Unexpected error during processing of request.

HTTP Status Code: 500

### **ResourceNotFoundException**

Your request references a resource which does not exist.

#### **resourceId**

The ID of the resource that wasn't found.

#### **resourceType**

The type of resource that wasn't found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

### **quotaCode**

Identifies the quota that is being throttled.

### **retryAfterSeconds**

The number of seconds a client should wait before retrying the request.

### **serviceCode**

Identifies the service being throttled.

HTTP Status Code: 429

## ValidationException

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

### **fieldList**

The list of input fields that are invalid.

### **reason**

The reason why your input is considered invalid.

HTTP Status Code: 400

## 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](#)

# SendActivationCode

Sends an activation email to the email address associated with the specified email contact.

## Note

It might take a few minutes for the activation email to arrive. If it doesn't arrive, check in your spam folder or try sending another activation email.

## Request Syntax

```
POST /2022-10-31/emailcontacts/arn/activate/send HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### arn

The Amazon Resource Name (ARN) of the resource.

Pattern: `arn:[a-z-]{3,10}:notifications-contacts::[0-9]{12}:emailcontact/[a-z0-9]{27}`

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

### ConflictException

Updating or deleting a resource can cause an inconsistent state.

#### **resourceId**

The resource ID that prompted the conflict error.

#### **resourceType**

The resource type that prompted the conflict error.

HTTP Status Code: 409

### InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

### ResourceNotFoundException

Your request references a resource which does not exist.

#### **resourceId**

The ID of the resource that wasn't found.

#### **resourceType**

The type of resource that wasn't found.

HTTP Status Code: 404

### ThrottlingException

The request was denied due to request throttling.

**quotaCode**

Identifies the quota that is being throttled.

**retryAfterSeconds**

The number of seconds a client should wait before retrying the request.

**serviceCode**

Identifies the service being throttled.

HTTP Status Code: 429

**ValidationException**

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

**fieldList**

The list of input fields that are invalid.

**reason**

The reason why your input is considered invalid.

HTTP Status Code: 400

**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

Attaches a key-value pair to a resource, as identified by its Amazon Resource Name (ARN). Taggable resources in AWS User Notifications Contacts include email contacts.

## Request Syntax

```
POST /tags/arn HTTP/1.1
Content-type: application/json

{
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### arn

The ARN of the configuration.

Pattern: `arn:[a-z-]{3,10}:notifications-contacts::[0-9]{12}:emailcontact/[a-z0-9]{27}`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### tags

A list of tags to apply to the configuration.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Pattern: (?!aws:).{1,128}

Value Length Constraints: Minimum length of 0. 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](#).

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

### ResourceNotFoundException

Your request references a resource which does not exist.

#### **resourceId**

The ID of the resource that wasn't found.

#### **resourceType**

The type of resource that wasn't found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

### **quotaCode**

Identifies the quota that is being throttled.

### **retryAfterSeconds**

The number of seconds a client should wait before retrying the request.

### **serviceCode**

Identifies the service being throttled.

HTTP Status Code: 429

## ValidationException

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

### **fieldList**

The list of input fields that are invalid.

### **reason**

The reason why your input is considered invalid.

HTTP Status Code: 400

## 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 Ruby V3](#)

# UntagResource

Detaches a key-value pair from a resource, as identified by its Amazon Resource Name (ARN). Taggable resources in AWS User Notifications Contacts include email contacts..

## Request Syntax

```
DELETE /tags/arn?tagKeys=tagKeys HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [arn](#)

The value of the resource that will have the tag removed. An Amazon Resource Name (ARN) is an identifier for a specific AWS resource, such as a server, user, or role.

Pattern: `arn:[a-z-]{3,10}:notifications-contacts::[0-9]{12}:emailcontact/[a-z0-9]{27}`

Required: Yes

### [tagKeys](#)

Specifies a list of tag keys that you want to remove from the specified resources.

Pattern: `(?!aws:).{1,128}`

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

### **InternalServerError**

Unexpected error during processing of request.

HTTP Status Code: 500

### **ResourceNotFoundException**

Your request references a resource which does not exist.

#### **resourceId**

The ID of the resource that wasn't found.

#### **resourceType**

The type of resource that wasn't found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

#### **quotaCode**

Identifies the quota that is being throttled.

#### **retryAfterSeconds**

The number of seconds a client should wait before retrying the request.

#### **serviceCode**

Identifies the service being throttled.

HTTP Status Code: 429

## ValidationException

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

### fieldList

The list of input fields that are invalid.

### reason

The reason why your input is considered invalid.

HTTP Status Code: 400


## 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 Notifications Contacts 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:

- [EmailContact](#)
- [ValidationExceptionField](#)

# EmailContact

An email contact.

## Contents

### address

The email address this email contact points to. The activation email and any subscribed emails are sent here.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 254.

Pattern: (.+)(.+)@(.+)

Required: Yes

### arn

The Amazon Resource Name (ARN) of the email contact.

Type: String

Pattern: arn:[a-z-]{3,10}:notifications-contacts::[0-9]{12}:emailcontact/[a-z0-9]{27}

Required: Yes

### creationTime

The creation time of the resource.

Type: Timestamp

Required: Yes

### name

The name of the email contact.

Type: String

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

Pattern: `.*[\w-.\~]+.*`

Required: Yes

### **status**

The status of the email contact. Only activated email contacts receive emails.

Type: String

Valid Values: `inactive` | `active`

Required: Yes

### **updateTime**

The time the resource 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](#)

# ValidationExceptionField

Stores information about a field passed inside a request that resulted in an exception.

## Contents

### message

A message with the reason for the validation exception error.

Type: String

Required: Yes

### name

The field name where the invalid entry was detected.

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 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