



API Reference

AWS User Experience Customization Service



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AWS User Experience Customization Service: API Reference

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Table of Contents

Welcome	1
Actions	2
GetAccountCustomizations	3
Request Syntax	3
URI Request Parameters	3
Request Body	3
Response Syntax	3
Response Elements	3
Errors	4
Examples	5
See Also	6
ListServices	8
Request Syntax	8
URI Request Parameters	8
Request Body	8
Response Syntax	9
Response Elements	9
Errors	9
Examples	10
See Also	11
UpdateAccountCustomizations	12
Request Syntax	12
URI Request Parameters	12
Request Body	12
Response Syntax	13
Response Elements	14
Errors	14
Examples	15
Example service identifiers	17
See Also	17
Data Types	19
ValidationExceptionField	20
Contents	20
See Also	20

Common Parameters	21
Common Error Types	24
Appendix	27
DeleteAccountColor (Deprecated)	28
Request Syntax	28
URI Request Parameters	28
Request Body	28
Response Elements	28
Errors	28
GetAccountColor (Deprecated)	30
Request Syntax	30
URI Request Parameters	30
Request Body	30
Response Syntax	30
Response Elements	30
Errors	31
PutAccountColor (Deprecated)	32
Request Syntax	32
URI Request Parameters	32
Request Body	32
Response Syntax	32
Response Elements	33
Errors	33

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](#).

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Actions

The following actions are supported:

- [GetAccountCustomizations](#)
- [ListServices](#)
- [UpdateAccountCustomizations](#)

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`.

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 Error Types](#).

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

InternalServerError

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 Error Types](#).

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

InternalServerError

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](#)

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 Error Types](#).

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

InternalServerError

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"]
}
```

```
}
```

Example service identifiers

The following list shows examples of valid service identifiers. For a complete list, call [ListServices](#).

- `bedrock` – Amazon Bedrock
- `cloudformation` – AWS CloudFormation
- `cloudwatch` – Amazon CloudWatch
- `connect` – Amazon Connect
- `dynamodb` – Amazon DynamoDB
- `ec2` – Amazon Elastic Compute Cloud (Amazon EC2)
- `ecs` – Amazon Elastic Container Service (Amazon ECS)
- `eks` – Amazon Elastic Kubernetes Service (Amazon EKS)
- `events` – Amazon EventBridge
- `iot` – AWS IoT Core
- `kinesisvideo` – Amazon Kinesis Video Streams
- `lambda` – AWS Lambda
- `lightsail` – Amazon Lightsail
- `rds` – Amazon Relational Database Service (Amazon RDS)
- `s3` – Amazon Simple Storage Service (Amazon S3)
- `sagemaker` – Amazon SageMaker AI
- `secretsmanager` – AWS Secrets Manager
- `ssm` – AWS Systems Manager
- `states` – AWS Step Functions
- `vpc` – Amazon Virtual Private Cloud (Amazon VPC)

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 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

Appendix

Topics

- [the section called “DeleteAccountColor \(Deprecated\)”](#)
- [the section called “GetAccountColor \(Deprecated\)”](#)
- [the section called “PutAccountColor \(Deprecated\)”](#)

DeleteAccountColor (Deprecated)

Important

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

Deletes the account color setting.

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

InternalServerError

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 (Deprecated)

Important

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

Gets the color associated with the account.

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

InternalServerError

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

PutAccountColor (Deprecated)

Important

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

Sets the color associated with an account.

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

InternalServerError

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