aws

Amazon WorkSpaces Secure Browser

API Version 2020-07-08

Amazon WorkSpaces Secure Browser: API Reference

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Welcome

Amazon WorkSpaces Secure Browser is a low cost, fully managed WorkSpace built specifically to facilitate secure, web-based workloads. WorkSpaces Secure Browser makes it easy for customers to safely provide their employees with access to internal websites and SaaS web applications without the administrative burden of appliances or specialized client software. WorkSpaces Secure Browser provides simple policy tools tailored for user interactions, while offloading common tasks like capacity management, scaling, and maintaining browser images.

This document was last published on July 2, 2024.

Actions

The following actions are supported:

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- AssociateIpAccessSettings
- AssociateNetworkSettings
- AssociateTrustStore
- AssociateUserAccessLoggingSettings
- AssociateUserSettings
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- GetIdentityProvider

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- UpdateBrowserSettings

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- UpdateIpAccessSettings

- UpdateNetworkSettings

- UpdatePortal

- UpdateTrustStore

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- [UpdateUserSettings](#)

AssociateBrowserSettings

Associates a browser settings resource with a web portal.

Request Syntax

```
PUT /portals/portalArn+/browserSettings?browserSettingsArn=browserSettingsArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

browserSettingsArn

The ARN of the browser settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "browserSettingsArn": "string",
    "portalArn": "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.

browserSettingsArn

   The ARN of the browser settings.

   Type: String

   Length Constraints: Minimum length of 20. Maximum length of 2048.

   Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
   {1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

portalArn

   The ARN of the web portal.

   Type: String

   Length Constraints: Minimum length of 20. Maximum length of 2048.

   Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
   {1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Errors

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

AccessDeniedException

   Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

AssociateIpAccessSettings

Associates an IP access settings resource with a web portal.

Request Syntax

```
PUT /portals/portalArn+/ipAccessSettings?ipAccessSettingsArn=ipAccessSettingsArn
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ipAccessSettingsArn

The ARN of the IP access settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "ipAccessSettingsArn": "string",
    "portalArn": "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.

ipAccessSettingsArn

The ARN of the IP access settings resource.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

HTTP Status Code: 400

See Also

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- [AWS SDK for JavaScript V3](#)

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

AssociateNetworkSettings

Associates a network settings resource with a web portal.

Request Syntax

```
PUT /portals/portalArn+/networkSettings?networkSettingsArn=networkSettingsArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

networkSettingsArn

The ARN of the network settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "networkSettingsArn": "string",
    "portalArn": "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.

networkSettingsArn

The ARN of the network settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

HTTP Status Code: 400

See Also

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- [AWS SDK for Python](#)
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AssociateTrustStore

Associates a trust store with a web portal.

Request Syntax

```
PUT /portals/portalArn+/trustStores?trustStoreArn=trustStoreArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

trustStoreArn

The ARN of the trust store.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json


{
    "portalArn": "string",
    "trustStoreArn": "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.

portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

trustStoreArn

The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

HTTP Status Code: 400

See Also

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AssociateUserAccessLoggingSettings

Associates a user access logging settings resource with a web portal.

Request Syntax

```
PUT /portals/portalArn+/userAccessLoggingSettings?
userAccessLoggingSettingsArn=userAccessLoggingSettingsArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "portalArn": "string",
    "userAccessLoggingSettingsArn": "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.

portalArn

   The ARN of the web portal.

   Type: String

   Length Constraints: Minimum length of 20. Maximum length of 2048.

   Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

userAccessLoggingSettingsArn

   The ARN of the user access logging settings.

   Type: String

   Length Constraints: Minimum length of 20. Maximum length of 2048.

   Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Errors

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

AccessDeniedException

   Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)
- [AWS SDK for .NET](#)
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- [AWS SDK for Ruby V3](#)

AssociateUserSettings

Associates a user settings resource with a web portal.

Request Syntax

```
PUT /portals/portalArn+/userSettings?userSettingsArn=userSettingsArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

userSettingsArn

The ARN of the user settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "portalArn": "string",
    "userSettingsArn": "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.

portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

userSettingsArn

The ARN of the user settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

HTTP Status Code: 400

See Also

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

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CreateBrowserSettings

Creates a browser settings resource that can be associated with a web portal. Once associated with a web portal, browser settings control how the browser will behave once a user starts a streaming session for the web portal.

Request Syntax

```
POST /browserSettings HTTP/1.1
Content-type: application/json

{
   "additionalEncryptionContext": {
      "string" : "string"
   },
   "browserPolicy": "string",
   "clientToken": "string",
   "customerManagedKey": "string",
   "tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

additionalEncryptionContext

   Additional encryption context of the browser settings.

   Type: String to string map

   Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: ^[\s\S]*$

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: ^[\s\S]*$

Required: No

browserPolicy

A JSON string containing Chrome Enterprise policies that will be applied to all streaming sessions.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 131072.

Pattern: \{[\S\s]*\}\s*

Required: Yes

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token returns the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

customerManagedKey

The custom managed key of the browser settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:kms:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:key\/[a-zA-Z0-9-]+$

Required: No

tags

The tags to add to the browser settings resource. A tag is a key-value pair.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

Response Syntax

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

{
    "browserSettingsArn": "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.

browserSettingsArn

The ARN of the browser settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

HTTP Status Code: 400

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 Python](#)

- [AWS SDK for Ruby V3](#)

CreateIdentityProvider

Creates an identity provider resource that is then associated with a web portal.

Request Syntax

```
POST /identityProviders HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "identityProviderDetails": {
      "string" : "string"
   },
   "identityProviderName": "string",
   "identityProviderType": "string",
   "portalArn": "string",
   "tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token returns the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

identityProviderDetails

The identity provider details. The following list describes the provider detail keys for each identity provider type.

- For Google and Login with Amazon:
  - `client_id`
  - `client_secret`
  - `authorize_scopes`
- For Facebook:
  - `client_id`
  - `client_secret`
  - `authorize_scopes`
  - `api_version`
- For Sign in with Apple:
  - `client_id`
  - `team_id`
  - `key_id`
  - `private_key`
  - `authorize_scopes`
- For OIDC providers:
  - `client_id`
  - `client_secret`
  - `attributes_request_method`
  - `oidc_issuer`
  - `authorize_scopes`
  - `authorize_url` *if not available from discovery URL specified by `oidc_issuer` key*
  - `token_url` *if not available from discovery URL specified by `oidc_issuer` key*
  - `attributes_url` *if not available from discovery URL specified by `oidc_issuer` key*

- jwks_uri *if not available from discovery URL specified by oidc_issuer key*
- For SAML providers:
  - MetadataFile OR MetadataURL
  - IDPSignout (boolean) *optional*
  - IDPInit (boolean) *optional*
  - RequestSigningAlgorithm (string) *optional* - Only accepts rsa-sha256
  - EncryptedResponses (boolean) *optional*

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: ^[\s\S]*$

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: ^[\s\S]*$

Required: Yes

identityProviderName

The identity provider name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: ^[^_][\p{L}\p{M}\p{S}\p{N}\p{P}][^_]+$

Required: Yes

identityProviderType

The identity provider type.

Type: String

Valid Values: SAML | Facebook | Google | LoginWithAmazon | SignInWithApple | OIDC

Required: Yes

portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

tags

The tags to add to the identity provider resource. A tag is a key-value pair.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

Response Syntax

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

{
    "identityProviderArn": "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.

identityProviderArn

The ARN of the identity provider.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36}){2,}$`

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

CreateIpAccessSettings

Creates an IP access settings resource that can be associated with a web portal.

Request Syntax

```
POST /ipAccessSettings HTTP/1.1
Content-type: application/json

{
    "additionalEncryptionContext": {
        "string" : "string"
    },
    "clientToken": "string",
    "customerManagedKey": "string",
    "description": "string",
    "displayName": "string",
    "ipRules": [
        {
            "description": "string",
            "ipRange": "string"
        }
    ],
    "tags": [
        {
            "Key": "string",
            "Value": "string"
        }
    ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

additionalEncryptionContext

Additional encryption context of the IP access settings.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: ^[\s\S]*$

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: ^[\s\S]*$

Required: No

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token returns the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

customerManagedKey

The custom managed key of the IP access settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:kms:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:key\/[a-zA-Z0-9-]+$

Required: No

description

The description of the IP access settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: ^.+$

Required: No

displayName

The display name of the IP access settings.

Type: String

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

Pattern: ^.+$

Required: No

ipRules

The IP rules of the IP access settings.

Type: Array of IpRule objects

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

Required: Yes

tags

The tags to add to the IP access settings resource. A tag is a key-value pair.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

Response Syntax

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

{
    "ipAccessSettingsArn": "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.

ipAccessSettingsArn

The ARN of the IP access settings resource.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

CreateNetworkSettings

Creates a network settings resource that can be associated with a web portal. Once associated with a web portal, network settings define how streaming instances will connect with your specified VPC.

Request Syntax

```
POST /networkSettings HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "securityGroupIds": [ "string" ],
   "subnetIds": [ "string" ],
   "tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "vpcId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token returns the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

securityGroupIds

One or more security groups used to control access from streaming instances to your VPC.

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 128.

Pattern: `^[\w+\-]+$`

Required: Yes

subnetIds

The subnets in which network interfaces are created to connect streaming instances to your VPC. At least two of these subnets must be in different availability zones.

Type: Array of strings

Array Members: Minimum number of 2 items. Maximum number of 3 items.

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `^subnet-([0-9a-f]{8}|[0-9a-f]{17})$`

Required: Yes

tags

The tags to add to the network settings resource. A tag is a key-value pair.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

vpcId

The VPC that streaming instances will connect to.

Type: String

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

Pattern: `^vpc-[0-9a-z]*$`

Required: Yes

Response Syntax

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

{
    "networkSettingsArn": "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.

networkSettingsArn

The ARN of the network settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

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

CreatePortal

Creates a web portal.

Request Syntax

```
POST /portals HTTP/1.1
Content-type: application/json

{
   "additionalEncryptionContext": {
      "string" : "string"
   },
   "authenticationType": "string",
   "clientToken": "string",
   "customerManagedKey": "string",
   "displayName": "string",
   "instanceType": "string",
   "maxConcurrentSessions": number,
   "tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

additionalEncryptionContext

   The additional encryption context of the portal.

   Type: String to string map

   Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: ^[\s\S]*$

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: ^[\s\S]*$

Required: No

authenticationType

The type of authentication integration points used when signing into the web portal. Defaults to `Standard`.

`Standard` web portals are authenticated directly through your identity provider. You need to call `CreateIdentityProvider` to integrate your identity provider with your web portal. User and group access to your web portal is controlled through your identity provider.

`IAM Identity Center` web portals are authenticated through AWS IAM Identity Center. Identity sources (including external identity provider integration), plus user and group access to your web portal, can be configured in the IAM Identity Center.

Type: String

Valid Values: `Standard | IAM_Identity_Center`

Required: No

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token returns the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

customerManagedKey

The customer managed key of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:kms:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:key\/[a-zA-Z0-9-]+$`

Required: No

displayName

The name of the web portal. This is not visible to users who log into the web portal.

Type: String

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

Pattern: `^.+$`

Required: No

instanceType

The type and resources of the underlying instance.

Type: String

Valid Values: `standard.regular | standard.large | standard.xlarge`

Required: No

maxConcurrentSessions

The maximum number of concurrent sessions for the portal.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5000.

Required: No

tags

The tags to add to the web portal. A tag is a key-value pair.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

Response Syntax

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

{
   "portalArn": "string",
   "portalEndpoint": "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.

portalArn

   The ARN of the web portal.

   Type: String

   Length Constraints: Minimum length of 20. Maximum length of 2048.

   Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
   {1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

portalEndpoint

   The endpoint URL of the web portal that users access in order to start streaming sessions.

   Type: String

   Length Constraints: Minimum length of 1. Maximum length of 253.

   Pattern: ^[a-zA-Z0-9]?((?!-)([A-Za-z0-9-]*[A-Za-z0-9])\.)+[a-zA-Z0-9]+$

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

CreateTrustStore

Creates a trust store that can be associated with a web portal. A trust store contains certificate authority (CA) certificates. Once associated with a web portal, the browser in a streaming session will recognize certificates that have been issued using any of the CAs in the trust store. If your organization has internal websites that use certificates issued by private CAs, you should add the private CA certificate to the trust store.

Request Syntax

```
POST /trustStores HTTP/1.1
Content-type: application/json

{
   "certificateList": [ blob ],
   "clientToken": "string",
   "tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

certificateList

A list of CA certificates to be added to the trust store.

Type: Array of Base64-encoded binary data objects

Required: Yes

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token returns the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

tags

The tags to add to the trust store. A tag is a key-value pair.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

Response Syntax

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

{
    "trustStoreArn": "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.

trustStoreArn

The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

CreateUserAccessLoggingSettings

Creates a user access logging settings resource that can be associated with a web portal.

Request Syntax

```
POST /userAccessLoggingSettings HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "kinesisStreamArn": "string",
   "tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token returns the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

kinesisStreamArn

The ARN of the Kinesis stream.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=/,.@-]+:kinesis:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:stream/.+`

Required: Yes

tags

The tags to add to the user settings resource. A tag is a key-value pair.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

Response Syntax

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

{
    "userAccessLoggingSettingsArn": "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.

userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateUserSettings

Creates a user settings resource that can be associated with a web portal. Once associated with a web portal, user settings control how users can transfer data between a streaming session and the their local devices.

Request Syntax

```
POST /userSettings HTTP/1.1
Content-type: application/json

{
   "additionalEncryptionContext": {
      "string" : "string"
   },
   "clientToken": "string",
   "cookieSynchronizationConfiguration": {
      "allowlist": [
         {
            "domain": "string",
            "name": "string",
            "path": "string"
         }
      ],
      "blocklist": [
         {
            "domain": "string",
            "name": "string",
            "path": "string"
         }
      ]
   },
   "copyAllowed": "string",
   "customerManagedKey": "string",
   "deepLinkAllowed": "string",
   "disconnectTimeoutInMinutes": number,
   "downloadAllowed": "string",
   "idleDisconnectTimeoutInMinutes": number,
   "pasteAllowed": "string",
   "printAllowed": "string",
   "tags": [
      {
```

```
            "Key": "string",
            "Value": "string"
        }
    ],
    "uploadAllowed": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

additionalEncryptionContext

The additional encryption context of the user settings.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: ^[\s\S]*$

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: ^[\s\S]*$

Required: No

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token returns the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

cookieSynchronizationConfiguration

The configuration that specifies which cookies should be synchronized from the end user's local browser to the remote browser.

Type: CookieSynchronizationConfiguration object

Required: No

copyAllowed

Specifies whether the user can copy text from the streaming session to the local device.

Type: String

Valid Values: `Disabled | Enabled`

Required: Yes

customerManagedKey

The customer managed key used to encrypt sensitive information in the user settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:kms:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:key\/[a-zA-Z0-9-]+$`

Required: No

deepLinkAllowed

Specifies whether the user can use deep links that open automatically when connecting to a session.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

disconnectTimeoutInMinutes

The amount of time that a streaming session remains active after users disconnect.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 600.

Required: No

downloadAllowed

Specifies whether the user can download files from the streaming session to the local device.

Type: String

Valid Values: `Disabled | Enabled`

Required: Yes

idleDisconnectTimeoutInMinutes

The amount of time that users can be idle (inactive) before they are disconnected from their streaming session and the disconnect timeout interval begins.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 60.

Required: No

pasteAllowed

Specifies whether the user can paste text from the local device to the streaming session.

Type: String

Valid Values: `Disabled | Enabled`

Required: Yes

printAllowed

Specifies whether the user can print to the local device.

Type: String

Valid Values: `Disabled | Enabled`

Required: Yes

tags

The tags to add to the user settings resource. A tag is a key-value pair.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

uploadAllowed

Specifies whether the user can upload files from the local device to the streaming session.

Type: String

Valid Values: `Disabled | Enabled`

Required: Yes

Response Syntax

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

{
    "userSettingsArn": "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.

userSettingsArn

The ARN of the user settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

DeleteBrowserSettings

Deletes browser settings.

Request Syntax

```
DELETE /browserSettings/browserSettingsArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

browserSettingsArn

The ARN of the browser settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

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

DeleteIdentityProvider

Deletes the identity provider.

Request Syntax

```
DELETE /identityProviders/identityProviderArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

identityProviderArn

The ARN of the identity provider.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36}){2,}$`

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

DeleteIpAccessSettings

Deletes IP access settings.

Request Syntax

```
DELETE /ipAccessSettings/ipAccessSettingsArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ipAccessSettingsArn

The ARN of the IP access settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

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

DeleteNetworkSettings

Deletes network settings.

Request Syntax

```
DELETE /networkSettings/networkSettingsArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

networkSettingsArn

The ARN of the network settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

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

DeletePortal

Deletes a web portal.

Request Syntax

```
DELETE /portals/portalArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

DeleteTrustStore

Deletes the trust store.

Request Syntax

```
DELETE /trustStores/trustStoreArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

trustStoreArn

The ARN of the trust store.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

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

DeleteUserAccessLoggingSettings

Deletes user access logging settings.

Request Syntax

```
DELETE /userAccessLoggingSettings/userAccessLoggingSettingsArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

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

DeleteUserSettings

Deletes user settings.

Request Syntax

```
DELETE /userSettings/userSettingsArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

userSettingsArn

The ARN of the user settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

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

DisassociateBrowserSettings

Disassociates browser settings from a web portal.

Request Syntax

```
DELETE /portals/portalArn+/browserSettings HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

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

DisassociateIpAccessSettings

Disassociates IP access settings from a web portal.

Request Syntax

```
DELETE /portals/portalArn+/ipAccessSettings HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

DisassociateNetworkSettings

Disassociates network settings from a web portal.

Request Syntax

```
DELETE /portals/portalArn+/networkSettings HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

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

DisassociateTrustStore

Disassociates a trust store from a web portal.

Request Syntax

```
DELETE /portals/portalArn+/trustStores HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

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

DisassociateUserAccessLoggingSettings

Disassociates user access logging settings from a web portal.

Request Syntax

```
DELETE /portals/portalArn+/userAccessLoggingSettings HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

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

DisassociateUserSettings

Disassociates user settings from a web portal.

Request Syntax

```
DELETE /portals/portalArn+/userSettings HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

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

GetBrowserSettings

Gets browser settings.

Request Syntax

```
GET /browserSettings/browserSettingsArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

browserSettingsArn

The ARN of the browser settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "browserSettings": {
      "additionalEncryptionContext": {
         "string" : "string"
      },
      "associatedPortalArns": [ "string" ],
      "browserPolicy": "string",
      "browserSettingsArn": "string",
```

```
        "customerManagedKey": "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.

browserSettings

   The browser settings.

   Type: BrowserSettings object

Errors

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

AccessDeniedException

   Access is denied.

   HTTP Status Code: 403

InternalServerException

   There is an internal server error.

   HTTP Status Code: 500

ResourceNotFoundException

   The resource cannot be found.

   HTTP Status Code: 404

ThrottlingException

   There is a throttling error.

   HTTP Status Code: 429

ValidationException

There is a validation error.

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

GetIdentityProvider

Gets the identity provider.

Request Syntax

```
GET /identityProviders/identityProviderArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

identityProviderArn

The ARN of the identity provider.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36}){2,}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "identityProvider": {
      "identityProviderArn": "string",
      "identityProviderDetails": {
         "string" : "string"
      },
      "identityProviderName": "string",
```

```
        "identityProviderType": "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.

identityProvider

The identity provider.

Type: IdentityProvider object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

GetIpAccessSettings

Gets the IP access settings.

Request Syntax

```
GET /ipAccessSettings/ipAccessSettingsArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ipAccessSettingsArn

The ARN of the IP access settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "ipAccessSettings": {
      "additionalEncryptionContext": {
         "string" : "string"
      },
      "associatedPortalArns": [ "string" ],
      "creationDate": number,
      "customerManagedKey": "string",
```

```
        "description": "string",
        "displayName": "string",
        "ipAccessSettingsArn": "string",
        "ipRules": [
            {
                "description": "string",
                "ipRange": "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.

ipAccessSettings

The IP access settings.

Type: IpAccessSettings object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

GetNetworkSettings

Gets the network settings.

Request Syntax

```
GET /networkSettings/networkSettingsArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

networkSettingsArn

The ARN of the network settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "networkSettings": {
      "associatedPortalArns": [ "string" ],
      "networkSettingsArn": "string",
      "securityGroupIds": [ "string" ],
      "subnetIds": [ "string" ],
      "vpcId": "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.

networkSettings

The network settings.

Type: NetworkSettings object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

GetPortal

Gets the web portal.

Request Syntax

```
GET /portals/portalArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "portal": {
      "additionalEncryptionContext": {
         "string" : "string"
      },
      "authenticationType": "string",
      "browserSettingsArn": "string",
      "browserType": "string",
```

```
        "creationDate": number,
        "customerManagedKey": "string",
        "displayName": "string",
        "instanceType": "string",
        "ipAccessSettingsArn": "string",
        "maxConcurrentSessions": number,
        "networkSettingsArn": "string",
        "portalArn": "string",
        "portalEndpoint": "string",
        "portalStatus": "string",
        "rendererType": "string",
        "statusReason": "string",
        "trustStoreArn": "string",
        "userAccessLoggingSettingsArn": "string",
        "userSettingsArn": "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.

portal

The web portal.

Type: Portal object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

GetPortalServiceProviderMetadata

Gets the service provider metadata.

Request Syntax

```
GET /portalIdp/portalArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
    "portalArn": "string",
    "serviceProviderSamlMetadata": "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.

portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

serviceProviderSamlMetadata

The service provider SAML metadata.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 204800.

Pattern: `^.+$`

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

GetTrustStore

Gets the trust store.

Request Syntax

```
GET /trustStores/trustStoreArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

trustStoreArn

The ARN of the trust store.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "trustStore": {
      "associatedPortalArns": [ "string" ],
      "trustStoreArn": "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.

trustStore

> The trust store.

> Type: TrustStore object

Errors

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

AccessDeniedException

> Access is denied.

> HTTP Status Code: 403

InternalServerException

> There is an internal server error.

> HTTP Status Code: 500

ResourceNotFoundException

> The resource cannot be found.

> HTTP Status Code: 404

ThrottlingException

> There is a throttling error.

> HTTP Status Code: 429

ValidationException

> There is a validation error.

> 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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetTrustStoreCertificate

Gets the trust store certificate.

Request Syntax

```
GET /trustStores/trustStoreArn+/certificate?thumbprint=thumbprint HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

thumbprint

> The thumbprint of the trust store certificate.
>
> Length Constraints: Fixed length of 64.
>
> Pattern: ^[A-Fa-f0-9]{64}$
>
> Required: Yes

trustStoreArn

> The ARN of the trust store certificate.
>
> Length Constraints: Minimum length of 20. Maximum length of 2048.
>
> Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$
>
> Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
   "certificate": {
      "body": blob,
      "issuer": "string",
      "notValidAfter": number,
      "notValidBefore": number,
      "subject": "string",
      "thumbprint": "string"
   },
   "trustStoreArn": "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.

certificate

The certificate of the trust store certificate.

Type: Certificate object

trustStoreArn

The ARN of the trust store certificate.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
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GetUserAccessLoggingSettings

Gets user access logging settings.

Request Syntax

```
GET /userAccessLoggingSettings/userAccessLoggingSettingsArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

userAccessLoggingSettingsArn

>   The ARN of the user access logging settings.
>
>   Length Constraints: Minimum length of 20. Maximum length of 2048.
>
>   Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$
>
>   Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "userAccessLoggingSettings": {
      "associatedPortalArns": [ "string" ],
      "kinesisStreamArn": "string",
      "userAccessLoggingSettingsArn": "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.

userAccessLoggingSettings

> The user access logging settings.

> Type: UserAccessLoggingSettings object

Errors

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

AccessDeniedException

> Access is denied.

> HTTP Status Code: 403

InternalServerException

> There is an internal server error.

> HTTP Status Code: 500

ResourceNotFoundException

> The resource cannot be found.

> HTTP Status Code: 404

ThrottlingException

> There is a throttling error.

> HTTP Status Code: 429

ValidationException

> There is a validation error.

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

GetUserSettings

Gets user settings.

Request Syntax

```
GET /userSettings/userSettingsArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

userSettingsArn

The ARN of the user settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "userSettings": {
      "additionalEncryptionContext": {
         "string" : "string"
      },
      "associatedPortalArns": [ "string" ],
      "cookieSynchronizationConfiguration": {
         "allowlist": [
```

```
            {
                "domain": "string",
                "name": "string",
                "path": "string"
            }
        ],
        "blocklist": [
            {
                "domain": "string",
                "name": "string",
                "path": "string"
            }
        ]
    },
    "copyAllowed": "string",
    "customerManagedKey": "string",
    "deepLinkAllowed": "string",
    "disconnectTimeoutInMinutes": number,
    "downloadAllowed": "string",
    "idleDisconnectTimeoutInMinutes": number,
    "pasteAllowed": "string",
    "printAllowed": "string",
    "uploadAllowed": "string",
    "userSettingsArn": "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.

userSettings

The user settings.

Type: UserSettings object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

- AWS SDK for Python
- AWS SDK for Ruby V3

ListBrowserSettings

Retrieves a list of browser settings.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^\S+$

Request Body

The request does not have a request body.

Response Syntax

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

{
    "browserSettings": [
        {
            "browserSettingsArn": "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.

browserSettings

    The browser settings.

    Type: Array of BrowserSettingsSummary objects

nextToken

    The pagination token used to retrieve the next page of results for this operation.

    Type: String

    Length Constraints: Minimum length of 1. Maximum length of 2048.

    Pattern: ^\S+$

Errors

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

AccessDeniedException

    Access is denied.

    HTTP Status Code: 403

InternalServerException

    There is an internal server error.

    HTTP Status Code: 500

ThrottlingException

    There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
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- [AWS SDK for Ruby V3](#)

ListIdentityProviders

Retrieves a list of identity providers for a specific web portal.

Request Syntax

```
GET /portals/portalArn+/identityProviders?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

   The maximum number of results to be included in the next page.

   Valid Range: Minimum value of 1.

nextToken

   The pagination token used to retrieve the next page of results for this operation.

   Length Constraints: Minimum length of 1. Maximum length of 2048.

   Pattern: ^\S+$

portalArn

   The ARN of the web portal.

   Length Constraints: Minimum length of 20. Maximum length of 2048.

   Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

   Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "identityProviders": [
      {
         "identityProviderArn": "string",
         "identityProviderName": "string",
         "identityProviderType": "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.

identityProviders

   The identity providers.

   Type: Array of IdentityProviderSummary objects

nextToken

   The pagination token used to retrieve the next page of results for this operation.

   Type: String

   Length Constraints: Minimum length of 1. Maximum length of 2048.

   Pattern: ^\S+$

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

ListIpAccessSettings

Retrieves a list of IP access settings.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^\S+$

Request Body

The request does not have a request body.

Response Syntax

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

{
   "ipAccessSettings": [
      {
         "creationDate": number,
         "description": "string",
         "displayName": "string",
```

```
            "ipAccessSettingsArn": "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.

ipAccessSettings

    The IP access settings.

    Type: Array of IpAccessSettingsSummary objects

nextToken

    The pagination token used to retrieve the next page of results for this operation.

    Type: String

    Length Constraints: Minimum length of 1. Maximum length of 2048.

    Pattern: ^\S+$

Errors

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

AccessDeniedException

    Access is denied.

    HTTP Status Code: 403

InternalServerException

    There is an internal server error.

    HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

ListNetworkSettings

Retrieves a list of network settings.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^\S+$

Request Body

The request does not have a request body.

Response Syntax

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

{
   "networkSettings": [
      {
         "networkSettingsArn": "string",
         "vpcId": "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.

networkSettings

    The network settings.

    Type: Array of NetworkSettingsSummary objects

nextToken

    The pagination token used to retrieve the next page of results for this operation.

    Type: String

    Length Constraints: Minimum length of 1. Maximum length of 2048.

    Pattern: ^\S+$

Errors

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

AccessDeniedException

    Access is denied.

    HTTP Status Code: 403

InternalServerException

    There is an internal server error.

    HTTP Status Code: 500

ThrottlingException

    There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

ListPortals

Retrieves a list or web portals.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^\S+$

Request Body

The request does not have a request body.

Response Syntax

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

{
   "nextToken": "string",
   "portals": [
      {
         "authenticationType": "string",
         "browserSettingsArn": "string",
```

```
            "browserType": "string",
            "creationDate": number,
            "displayName": "string",
            "instanceType": "string",
            "ipAccessSettingsArn": "string",
            "maxConcurrentSessions": number,
            "networkSettingsArn": "string",
            "portalArn": "string",
            "portalEndpoint": "string",
            "portalStatus": "string",
            "rendererType": "string",
            "trustStoreArn": "string",
            "userAccessLoggingSettingsArn": "string",
            "userSettingsArn": "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 pagination token used to retrieve the next page of results for this operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^\S+$

portals

The portals in the list.

Type: Array of PortalSummary objects

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

ListTagsForResource

Retrieves a list of tags for a resource.

Request Syntax

```
GET /tags/resourceArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "tags": [
      {
         "Key": "string",
         "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.

tags

   The tags of the resource.

   Type: Array of Tag objects

   Array Members: Minimum number of 0 items. Maximum number of 200 items.

Errors

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

AccessDeniedException

   Access is denied.

   HTTP Status Code: 403

InternalServerException

   There is an internal server error.

   HTTP Status Code: 500

ResourceNotFoundException

   The resource cannot be found.

   HTTP Status Code: 404

ThrottlingException

   There is a throttling error.

   HTTP Status Code: 429

ValidationException

   There is a validation error.

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

ListTrustStoreCertificates

Retrieves a list of trust store certificates.

Request Syntax

```
GET /trustStores/trustStoreArn+/certificates?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^\S+$

trustStoreArn

The ARN of the trust store

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "certificateList": [
      {
         "issuer": "string",
         "notValidAfter": number,
         "notValidBefore": number,
         "subject": "string",
         "thumbprint": "string"
      }
   ],
   "nextToken": "string",
   "trustStoreArn": "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.

certificateList

> The certificate list.

> Type: Array of CertificateSummary objects

nextToken

> The pagination token used to retrieve the next page of results for this operation.>

> Type: String

> Length Constraints: Minimum length of 1. Maximum length of 2048.

> Pattern: ^\S+$

trustStoreArn

> The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

ListTrustStores

Retrieves a list of trust stores.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^\S+$

Request Body

The request does not have a request body.

Response Syntax

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

{
    "nextToken": "string",
    "trustStores": [
        {
            "trustStoreArn": "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 pagination token used to retrieve the next page of results for this operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^\S+$

trustStores

The trust stores.

Type: Array of TrustStoreSummary objects

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

ListUserAccessLoggingSettings

Retrieves a list of user access logging settings.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^\S+$

Request Body

The request does not have a request body.

Response Syntax

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

{
   "nextToken": "string",
   "userAccessLoggingSettings": [
      {
         "kinesisStreamArn": "string",
         "userAccessLoggingSettingsArn": "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 pagination token used to retrieve the next page of results for this operation.

   Type: String

   Length Constraints: Minimum length of 1. Maximum length of 2048.

   Pattern: ^\S+$

userAccessLoggingSettings

   The user access logging settings.

   Type: Array of UserAccessLoggingSettingsSummary objects

Errors

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

AccessDeniedException

   Access is denied.

   HTTP Status Code: 403

InternalServerException

   There is an internal server error.

   HTTP Status Code: 500

ThrottlingException

   There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

ListUserSettings

Retrieves a list of user settings.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^\S+$

Request Body

The request does not have a request body.

Response Syntax

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

{
   "nextToken": "string",
   "userSettings": [
      {
         "cookieSynchronizationConfiguration": {
```

```
                "allowlist": [
                    {
                        "domain": "string",
                        "name": "string",
                        "path": "string"
                    }
                ],
                "blocklist": [
                    {
                        "domain": "string",
                        "name": "string",
                        "path": "string"
                    }
                ]
            },
            "copyAllowed": "string",
            "deepLinkAllowed": "string",
            "disconnectTimeoutInMinutes": number,
            "downloadAllowed": "string",
            "idleDisconnectTimeoutInMinutes": number,
            "pasteAllowed": "string",
            "printAllowed": "string",
            "uploadAllowed": "string",
            "userSettingsArn": "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 pagination token used to retrieve the next page of results for this operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^\S+$

userSettings

The user settings.

Type: Array of UserSettingsSummary objects

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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
- AWS SDK for .NET
- AWS SDK for C++

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

TagResource

Adds or overwrites one or more tags for the specified resource.

Request Syntax

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

{
    "clientToken": "string",
    "tags": [
        {
            "Key": "string",
            "Value": "string"
        }
    ]
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request,

if the original request completes successfully, subsequent retries with the same client token returns the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

tags

The tags of the resource.

Type: Array of Tag objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

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 Errors.

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

TooManyTagsException

There are too many tags.

HTTP Status Code: 400

ValidationException

There is a validation error.

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

UntagResource

Removes one or more tags from the specified resource.

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.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

tagKeys

The list of tag keys to remove from the resource.

Array Members: Minimum number of 0 items. Maximum number of 200 items.

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

Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

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 Errors](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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](#)

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

UpdateBrowserSettings

Updates browser settings.

Request Syntax

```
PATCH /browserSettings/browserSettingsArn+ HTTP/1.1
Content-type: application/json

{
   "browserPolicy": "string",
   "clientToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

browserSettingsArn

The ARN of the browser settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request accepts the following data in JSON format.

browserPolicy

A JSON string containing Chrome Enterprise policies that will be applied to all streaming sessions.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 131072.

Pattern: \{[\S\s]*\}\s*

Required: No

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Response Syntax

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

{
   "browserSettings": {
      "additionalEncryptionContext": {
         "string" : "string"
      },
      "associatedPortalArns": [ "string" ],
      "browserPolicy": "string",
      "browserSettingsArn": "string",
      "customerManagedKey": "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.

browserSettings

The browser settings.

Type: BrowserSettings object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

UpdateIdentityProvider

Updates the identity provider.

Request Syntax

```
PATCH /identityProviders/identityProviderArn+ HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "identityProviderDetails": {
      "string" : "string"
   },
   "identityProviderName": "string",
   "identityProviderType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

identityProviderArn

The ARN of the identity provider.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36}){2,}$

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request,

if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

identityProviderDetails

The details of the identity provider. The following list describes the provider detail keys for each identity provider type.

- For Google and Login with Amazon:
  - `client_id`
  - `client_secret`
  - `authorize_scopes`
- For Facebook:
  - `client_id`
  - `client_secret`
  - `authorize_scopes`
  - `api_version`
- For Sign in with Apple:
  - `client_id`
  - `team_id`
  - `key_id`
  - `private_key`
  - `authorize_scopes`
- For OIDC providers:
  - `client_id`
  - `client_secret`
  - `attributes_request_method`
  - `oidc_issuer`

- `authorize_scopes`
- `authorize_url` *if not available from discovery URL specified by* `oidc_issuer` *key*
- `token_url` *if not available from discovery URL specified by* `oidc_issuer` *key*
- `attributes_url` *if not available from discovery URL specified by* `oidc_issuer` *key*
- `jwks_uri` *if not available from discovery URL specified by* `oidc_issuer` *key*
- For SAML providers:
  - `MetadataFile` OR `MetadataURL`
  - `IDPSignout` (boolean) *optional*
  - `IDPInit` (boolean) *optional*
  - `RequestSigningAlgorithm` (string) *optional* - Only accepts `rsa-sha256`
  - `EncryptedResponses` (boolean) *optional*

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `^[\s\S]*$`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `^[\s\S]*$`

Required: No

identityProviderName

The name of the identity provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `^[^_][\p{L}\p{M}\p{S}\p{N}\p{P}][^_]+$`

Required: No

identityProviderType

The type of the identity provider.

Type: String

Valid Values: SAML | Facebook | Google | LoginWithAmazon | SignInWithApple |
OIDC

Required: No

Response Syntax

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

{
   "identityProvider": {
      "identityProviderArn": "string",
      "identityProviderDetails": {
         "string" : "string"
      },
      "identityProviderName": "string",
      "identityProviderType": "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.

identityProvider

The identity provider.

Type: IdentityProvider object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

UpdateIpAccessSettings

Updates IP access settings.

Request Syntax

```
PATCH /ipAccessSettings/ipAccessSettingsArn+ HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "displayName": "string",
   "ipRules": [
      {
         "description": "string",
         "ipRange": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

ipAccessSettingsArn

  The ARN of the IP access settings.

  Length Constraints: Minimum length of 20. Maximum length of 2048.

  Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
  {1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

  Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

description

The description of the IP access settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: ^.+$

Required: No

displayName

The display name of the IP access settings.

Type: String

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

Pattern: ^.+$

Required: No

ipRules

The updated IP rules of the IP access settings.

Type: Array of IpRule objects

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

Required: No

Response Syntax

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

{
   "ipAccessSettings": {
      "additionalEncryptionContext": {
         "string" : "string"
      },
      "associatedPortalArns": [ "string" ],
      "creationDate": number,
      "customerManagedKey": "string",
      "description": "string",
      "displayName": "string",
      "ipAccessSettingsArn": "string",
      "ipRules": [
         {
            "description": "string",
            "ipRange": "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.

ipAccessSettings

The IP access settings.

Type: IpAccessSettings object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

UpdateNetworkSettings

Updates network settings.

Request Syntax

```
PATCH /networkSettings/networkSettingsArn+ HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "securityGroupIds": [ "string" ],
   "subnetIds": [ "string" ],
   "vpcId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

networkSettingsArn

The ARN of the network settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

securityGroupIds

One or more security groups used to control access from streaming instances to your VPC.

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 128.

Pattern: ^[\w+\-]+$

Required: No

subnetIds

The subnets in which network interfaces are created to connect streaming instances to your VPC. At least two of these subnets must be in different availability zones.

Type: Array of strings

Array Members: Minimum number of 2 items. Maximum number of 3 items.

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: ^subnet-([0-9a-f]{8}|[0-9a-f]{17})$

Required: No

vpcId

The VPC that streaming instances will connect to.

Type: String

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

Pattern: `^vpc-[0-9a-z]*$`

Required: No

Response Syntax

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

{
   "networkSettings": {
      "associatedPortalArns": [ "string" ],
      "networkSettingsArn": "string",
      "securityGroupIds": [ "string" ],
      "subnetIds": [ "string" ],
      "vpcId": "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.

networkSettings

The network settings.

Type: NetworkSettings object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

UpdatePortal

Updates a web portal.

Request Syntax

```
PUT /portals/portalArn+ HTTP/1.1
Content-type: application/json

{
   "authenticationType": "string",
   "displayName": "string",
   "instanceType": "string",
   "maxConcurrentSessions": number
}
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

   The ARN of the web portal.

   Length Constraints: Minimum length of 20. Maximum length of 2048.

   Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
   {1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

   Required: Yes

Request Body

The request accepts the following data in JSON format.

authenticationType

   The type of authentication integration points used when signing into the web portal. Defaults
   to Standard.

`Standard` web portals are authenticated directly through your identity provider. You need to call `CreateIdentityProvider` to integrate your identity provider with your web portal. User and group access to your web portal is controlled through your identity provider.

`IAM Identity Center` web portals are authenticated through AWS IAM Identity Center. Identity sources (including external identity provider integration), plus user and group access to your web portal, can be configured in the IAM Identity Center.

Type: String

Valid Values: `Standard | IAM_Identity_Center`

Required: No

displayName

The name of the web portal. This is not visible to users who log into the web portal.

Type: String

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

Pattern: `^.+$`

Required: No

instanceType

The type and resources of the underlying instance.

Type: String

Valid Values: `standard.regular | standard.large | standard.xlarge`

Required: No

maxConcurrentSessions

The maximum number of concurrent sessions for the portal.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5000.

Required: No

Response Syntax

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

{
   "portal": {
      "additionalEncryptionContext": {
         "string" : "string"
      },
      "authenticationType": "string",
      "browserSettingsArn": "string",
      "browserType": "string",
      "creationDate": number,
      "customerManagedKey": "string",
      "displayName": "string",
      "instanceType": "string",
      "ipAccessSettingsArn": "string",
      "maxConcurrentSessions": number,
      "networkSettingsArn": "string",
      "portalArn": "string",
      "portalEndpoint": "string",
      "portalStatus": "string",
      "rendererType": "string",
      "statusReason": "string",
      "trustStoreArn": "string",
      "userAccessLoggingSettingsArn": "string",
      "userSettingsArn": "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.

portal

The web portal.

Type: [Portal](#) object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

HTTP Status Code: 409

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

UpdateTrustStore

Updates the trust store.

Request Syntax

```
PATCH /trustStores/trustStoreArn+ HTTP/1.1
Content-type: application/json

{
    "certificatesToAdd": [ blob ],
    "certificatesToDelete": [ "string" ],
    "clientToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

trustStoreArn

The ARN of the trust store.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

certificatesToAdd

A list of CA certificates to add to the trust store.

Type: Array of Base64-encoded binary data objects

Required: No

certificatesToDelete

A list of CA certificates to delete from a trust store.

Type: Array of strings

Length Constraints: Fixed length of 64.

Pattern: ^[A-Fa-f0-9]{64}$

Required: No

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Response Syntax

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

{
    "trustStoreArn": "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.

trustStoreArn

The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

UpdateUserAccessLoggingSettings

Updates the user access logging settings.

Request Syntax

```
PATCH /userAccessLoggingSettings/userAccessLoggingSettingsArn+ HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "kinesisStreamArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.
Idempotency ensures that an API request completes only once. With an idempotent request,
if the original request completes successfully, subsequent retries with the same client token
return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

kinesisStreamArn

The ARN of the Kinesis stream.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=/,.@-]+:kinesis:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:stream/.`
`+`

Required: No

Response Syntax

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

{
    "userAccessLoggingSettings": {
        "associatedPortalArns": [ "string" ],
        "kinesisStreamArn": "string",
        "userAccessLoggingSettingsArn": "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.

userAccessLoggingSettings

The user access logging settings.

Type: UserAccessLoggingSettings object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

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

UpdateUserSettings

Updates the user settings.

Request Syntax

```
PATCH /userSettings/userSettingsArn+ HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "cookieSynchronizationConfiguration": {
      "allowlist": [
         {
            "domain": "string",
            "name": "string",
            "path": "string"
         }
      ],
      "blocklist": [
         {
            "domain": "string",
            "name": "string",
            "path": "string"
         }
      ]
   },
   "copyAllowed": "string",
   "deepLinkAllowed": "string",
   "disconnectTimeoutInMinutes": number,
   "downloadAllowed": "string",
   "idleDisconnectTimeoutInMinutes": number,
   "pasteAllowed": "string",
   "printAllowed": "string",
   "uploadAllowed": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

userSettingsArn

The ARN of the user settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

cookieSynchronizationConfiguration

The configuration that specifies which cookies should be synchronized from the end user's local browser to the remote browser.

If the allowlist and blocklist are empty, the configuration becomes null.

Type: CookieSynchronizationConfiguration object

Required: No

copyAllowed

Specifies whether the user can copy text from the streaming session to the local device.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

deepLinkAllowed

Specifies whether the user can use deep links that open automatically when connecting to a session.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

disconnectTimeoutInMinutes

The amount of time that a streaming session remains active after users disconnect.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 600.

Required: No

downloadAllowed

Specifies whether the user can download files from the streaming session to the local device.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

idleDisconnectTimeoutInMinutes

The amount of time that users can be idle (inactive) before they are disconnected from their streaming session and the disconnect timeout interval begins.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 60.

Required: No

pasteAllowed

Specifies whether the user can paste text from the local device to the streaming session.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

printAllowed

Specifies whether the user can print to the local device.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

uploadAllowed

Specifies whether the user can upload files from the local device to the streaming session.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

Response Syntax

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

{
   "userSettings": {
      "additionalEncryptionContext": {
         "string" : "string"
      },
      "associatedPortalArns": [ "string" ],
      "cookieSynchronizationConfiguration": {
         "allowlist": [
```

```
            {
                "domain": "string",
                "name": "string",
                "path": "string"
            }
        ],
        "blocklist": [
            {
                "domain": "string",
                "name": "string",
                "path": "string"
            }
        ]
    },
    "copyAllowed": "string",
    "customerManagedKey": "string",
    "deepLinkAllowed": "string",
    "disconnectTimeoutInMinutes": number,
    "downloadAllowed": "string",
    "idleDisconnectTimeoutInMinutes": number,
    "pasteAllowed": "string",
    "printAllowed": "string",
    "uploadAllowed": "string",
    "userSettingsArn": "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.

userSettings

The user settings.

Type: UserSettings object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerException

There is an internal server error.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

HTTP Status Code: 429

ValidationException

There is a validation error.

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

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

Data Types

The Amazon WorkSpaces Web 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:

- BrowserSettings
- BrowserSettingsSummary
- Certificate
- CertificateSummary
- CookieSpecification
- CookieSynchronizationConfiguration
- IdentityProvider
- IdentityProviderSummary
- IpAccessSettings
- IpAccessSettingsSummary
- IpRule
- NetworkSettings
- NetworkSettingsSummary
- Portal
- PortalSummary
- Tag
- TrustStore
- TrustStoreSummary
- UserAccessLoggingSettings
- UserAccessLoggingSettingsSummary

- [UserSettings](#)
- [UserSettingsSummary](#)
- [ValidationExceptionField](#)

BrowserSettings

The browser settings resource that can be associated with a web portal. Once associated with a web portal, browser settings control how the browser will behave once a user starts a streaming session for the web portal.

Contents

browserSettingsArn

The ARN of the browser settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

additionalEncryptionContext

The additional encryption context of the browser settings.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `^[\s\S]*$`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `^[\s\S]*$`

Required: No

associatedPortalArns

A list of web portal ARNs that this browser settings is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

browserPolicy

A JSON string containing Chrome Enterprise policies that will be applied to all streaming sessions.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 131072.

Pattern: `\{[\S\s]*\}\s*`

Required: No

customerManagedKey

The customer managed key used to encrypt sensitive information in the browser settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:kms:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:key\/[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](#)

BrowserSettingsSummary

The summary for browser settings.

Contents

browserSettingsArn

The ARN of the browser settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

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](#)

Certificate

The certificate.

Contents

body

The body of the certificate.

Type: Base64-encoded binary data object

Required: No

issuer

The entity that issued the certificate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: ^\S+$

Required: No

notValidAfter

The certificate is not valid after this date.

Type: Timestamp

Required: No

notValidBefore

The certificate is not valid before this date.

Type: Timestamp

Required: No

subject

The entity the certificate belongs to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: ^\S+$

Required: No

thumbprint

A hexadecimal identifier for the certificate.

Type: String

Length Constraints: Fixed length of 64.

Pattern: ^[A-Fa-f0-9]{64}$

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](#)

CertificateSummary

The summary of the certificate.

Contents

issuer

The entity that issued the certificate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: ^\S+$

Required: No

notValidAfter

The certificate is not valid after this date.

Type: Timestamp

Required: No

notValidBefore

The certificate is not valid before this date.

Type: Timestamp

Required: No

subject

The entity the certificate belongs to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: ^\S+$

Required: No

thumbprint

    A hexadecimal identifier for the certificate.

    Type: String

    Length Constraints: Fixed length of 64.

    Pattern: `^[A-Fa-f0-9]{64}$`

    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](#)

CookieSpecification

Specifies a single cookie or set of cookies in an end user's browser.

Contents

domain

The domain of the cookie.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 253.

Pattern: `^(\.?)(?:[a-z0-9](?:[a-z0-9-]{0,61}[a-z0-9])?\.)*[a-z0-9][a-z0-9-]{0,61}[a-z0-9]$`

Required: Yes

name

The name of the cookie.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: No

path

The path of the cookie.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2000.

Pattern: `^/(\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](#)

CookieSynchronizationConfiguration

The configuration that specifies which cookies should be synchronized from the end user's local browser to the remote browser.

Contents

allowlist

The list of cookie specifications that are allowed to be synchronized to the remote browser.

Type: Array of CookieSpecification objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: Yes

blocklist

The list of cookie specifications that are blocked from being synchronized to the remote browser.

Type: Array of CookieSpecification objects

Array Members: Minimum number of 0 items. Maximum number of 10 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

IdentityProvider

The identity provider.

Contents

identityProviderArn

The ARN of the identity provider.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36}){2,}$`

Required: Yes

identityProviderDetails

The identity provider details. The following list describes the provider detail keys for each identity provider type.

- For Google and Login with Amazon:
  - `client_id`
  - `client_secret`
  - `authorize_scopes`
- For Facebook:
  - `client_id`
  - `client_secret`
  - `authorize_scopes`
  - `api_version`
- For Sign in with Apple:
  - `client_id`
  - `team_id`
  - `key_id`
  - `private_key`

- `authorize_scopes`
- For OIDC providers:
  - `client_id`
  - `client_secret`
  - `attributes_request_method`
  - `oidc_issuer`
  - `authorize_scopes`
  - `authorize_url` *if not available from discovery URL specified by oidc_issuer key*
  - `token_url` *if not available from discovery URL specified by oidc_issuer key*
  - `attributes_url` *if not available from discovery URL specified by oidc_issuer key*
  - `jwks_uri` *if not available from discovery URL specified by oidc_issuer key*
- For SAML providers:
  - `MetadataFile` OR `MetadataURL`
  - `IDPSignout` (boolean) *optional*
  - `IDPInit` (boolean) *optional*
  - `RequestSigningAlgorithm` (string) *optional* - Only accepts `rsa-sha256`
  - `EncryptedResponses` (boolean) *optional*

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: ^[\s\S]*$

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: ^[\s\S]*$

Required: No

identityProviderName

The identity provider name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: ^[^_][\p{L}\p{M}\p{S}\p{N}\p{P}][^_]+$

Required: No

identityProviderType

The identity provider type.

Type: String

Valid Values: SAML | Facebook | Google | LoginWithAmazon | SignInWithApple | OIDC

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](#)

IdentityProviderSummary

The summary of the identity provider.

Contents

identityProviderArn

The ARN of the identity provider.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36}){2,}$`

Required: Yes

identityProviderName

The identity provider name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `^[^_][\p{L}\p{M}\p{S}\p{N}\p{P}][^_]+$`

Required: No

identityProviderType

The identity provider type.

Type: String

Valid Values: `SAML | Facebook | Google | LoginWithAmazon | SignInWithApple | OIDC`

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](#)

IpAccessSettings

The IP access settings resource that can be associated with a web portal.

Contents

ipAccessSettingsArn

The ARN of the IP access settings resource.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

additionalEncryptionContext

The additional encryption context of the IP access settings.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `^[\s\S]*$`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `^[\s\S]*$`

Required: No

associatedPortalArns

A list of web portal ARNs that this IP access settings resource is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

creationDate

The creation date timestamp of the IP access settings.

Type: Timestamp

Required: No

customerManagedKey

The customer managed key used to encrypt sensitive information in the IP access settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:kms:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:key\/[a-zA-Z0-9-]+$`

Required: No

description

The description of the IP access settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `^.+$`

Required: No

displayName

The display name of the IP access settings.

Type: String

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

Pattern: `^.+$`

Required: No

ipRules

The IP rules of the IP access settings.

Type: Array of IpRule objects

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

IpAccessSettingsSummary

The summary of IP access settings.

Contents

ipAccessSettingsArn

The ARN of IP access settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

creationDate

The creation date timestamp of the IP access settings.

Type: Timestamp

Required: No

description

The description of the IP access settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `^.+$`

Required: No

displayName

The display name of the IP access settings.

Type: String

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

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](#)

IpRule

The IP rules of the IP access settings.

Contents

ipRange

The IP range of the IP rule.

Type: String

Pattern: `^\d{1,3}\.\d{1,3}\.\d{1,3}\.\d{1,3}(?:/([0-9]|[12][0-9]|3[0-2])|)$`

Required: Yes

description

The description of the IP rule.

Type: String

Length Constraints: Minimum length of 1. 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](#)

NetworkSettings

A network settings resource that can be associated with a web portal. Once associated with a web portal, network settings define how streaming instances will connect with your specified VPC.

Contents

networkSettingsArn

The ARN of the network settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

associatedPortalArns

A list of web portal ARNs that this network settings is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

securityGroupIds

One or more security groups used to control access from streaming instances to your VPC.

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 128.

Pattern: `^[\w+\-]+$`

Required: No

subnetIds

The subnets in which network interfaces are created to connect streaming instances to your VPC. At least two of these subnets must be in different availability zones.

Type: Array of strings

Array Members: Minimum number of 2 items. Maximum number of 3 items.

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `^subnet-([0-9a-f]{8}|[0-9a-f]{17})$`

Required: No

vpcId

The VPC that streaming instances will connect to.

Type: String

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

Pattern: `^vpc-[0-9a-z]*$`

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](#)

NetworkSettingsSummary

The summary of network settings.

Contents

networkSettingsArn

The ARN of the network settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

vpcId

The VPC ID of the network settings.

Type: String

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

Pattern: `^vpc-[0-9a-z]*$`

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

Portal

The web portal.

Contents

portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

additionalEncryptionContext

The additional encryption context of the portal.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `^[\s\S]*$`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `^[\s\S]*$`

Required: No

authenticationType

The type of authentication integration points used when signing into the web portal. Defaults to `Standard`.

`Standard` web portals are authenticated directly through your identity provider. You need to call `CreateIdentityProvider` to integrate your identity provider with your web portal. User and group access to your web portal is controlled through your identity provider.

`IAM Identity Center` web portals are authenticated through AWS IAM Identity Center. Identity sources (including external identity provider integration), plus user and group access to your web portal, can be configured in the IAM Identity Center.

Type: String

Valid Values: `Standard | IAM_Identity_Center`

Required: No

browserSettingsArn

The ARN of the browser settings that is associated with this web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

browserType

The browser that users see when using a streaming session.

Type: String

Valid Values: `Chrome`

Required: No

creationDate

The creation date of the web portal.

Type: Timestamp

Required: No

customerManagedKey

The customer managed key used to encrypt sensitive information in the portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:kms:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:key\/[a-zA-Z0-9-]+$`

Required: No

displayName

The name of the web portal.

Type: String

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

Pattern: `^.+$`

Required: No

instanceType

The type and resources of the underlying instance.

Type: String

Valid Values: `standard.regular | standard.large | standard.xlarge`

Required: No

ipAccessSettingsArn

The ARN of the IP access settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

maxConcurrentSessions

The maximum number of concurrent sessions for the portal.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5000.

Required: No

networkSettingsArn

The ARN of the network settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

portalEndpoint

The endpoint URL of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 253.

Pattern: `^[a-zA-Z0-9]?((?!-)([A-Za-z0-9-]*[A-Za-z0-9])\.)+[a-zA-Z0-9]+$`

Required: No

portalStatus

The status of the web portal.

Type: String

Valid Values: `Incomplete | Pending | Active`

Required: No

rendererType

The renderer that is used in streaming sessions.

Type: String

Valid Values: AppStream

Required: No

statusReason

A message that explains why the web portal is in its current status.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: .*

Required: No

trustStoreArn

The ARN of the trust store that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: No

userAccessLoggingSettingsArn

The ARN of the user access logging settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]
{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$

Required: No

userSettingsArn

The ARN of the user settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

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](#)

PortalSummary

The summary of the portal.

Contents

portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]`
`{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

authenticationType

The type of authentication integration points used when signing into the web portal. Defaults to `Standard`.

`Standard` web portals are authenticated directly through your identity provider. You need to call `CreateIdentityProvider` to integrate your identity provider with your web portal. User and group access to your web portal is controlled through your identity provider.

`IAM Identity Center` web portals are authenticated through AWS IAM Identity Center. Identity sources (including external identity provider integration), plus user and group access to your web portal, can be configured in the IAM Identity Center.

Type: String

Valid Values: `Standard | IAM_Identity_Center`

Required: No

browserSettingsArn

The ARN of the browser settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

browserType

The browser type of the web portal.

Type: String

Valid Values: `Chrome`

Required: No

creationDate

The creation date of the web portal.

Type: Timestamp

Required: No

displayName

The name of the web portal.

Type: String

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

Pattern: `^.+$`

Required: No

instanceType

The type and resources of the underlying instance.

Type: String

Valid Values: `standard.regular | standard.large | standard.xlarge`

Required: No

ipAccessSettingsArn

The ARN of the IP access settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

maxConcurrentSessions

The maximum number of concurrent sessions for the portal.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5000.

Required: No

networkSettingsArn

The ARN of the network settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

portalEndpoint

The endpoint URL of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 253.

Pattern: `^[a-zA-Z0-9]?((?!-)([A-Za-z0-9-]*[A-Za-z0-9])\.)+[a-zA-Z0-9]+$`

Required: No

portalStatus

The status of the web portal.

Type: String

Valid Values: `Incomplete | Pending | Active`

Required: No

rendererType

The renderer that is used in streaming sessions.

Type: String

Valid Values: `AppStream`

Required: No

trustStoreArn

The ARN of the trust that is associated with this web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

userAccessLoggingSettingsArn

The ARN of the user access logging settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

userSettingsArn

The ARN of the user settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

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](#)

Tag

The tag.

Contents

Key

The key of the tag.

Type: String

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

Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Required: Yes

Value

The value of the tag

Type: String

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

Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

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](#)

TrustStore

A trust store that can be associated with a web portal. A trust store contains certificate authority (CA) certificates. Once associated with a web portal, the browser in a streaming session will recognize certificates that have been issued using any of the CAs in the trust store. If your organization has internal websites that use certificates issued by private CAs, you should add the private CA certificate to the trust store.

Contents

trustStoreArn

The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

associatedPortalArns

A list of web portal ARNs that this trust store is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

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](#)

TrustStoreSummary

The summary of the trust store.

Contents

trustStoreArn

The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

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](#)

UserAccessLoggingSettings

A user access logging settings resource that can be associated with a web portal.

Contents

userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

associatedPortalArns

A list of web portal ARNs that this user access logging settings is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

kinesisStreamArn

The ARN of the Kinesis stream.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=/,.@-]+:kinesis:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:stream/.+`

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](#)

UserAccessLoggingSettingsSummary

The summary of user access logging settings.

Contents

userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

kinesisStreamArn

The ARN of the Kinesis stream.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=/,.@-]+:kinesis:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:stream/.+`

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](#)

UserSettings

A user settings resource that can be associated with a web portal. Once associated with a web portal, user settings control how users can transfer data between a streaming session and the their local devices.

Contents

userSettingsArn

The ARN of the user settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

additionalEncryptionContext

The additional encryption context of the user settings.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `^[\s\S]*$`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `^[\s\S]*$`

Required: No

associatedPortalArns

A list of web portal ARNs that this user settings is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]`
`{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: No

cookieSynchronizationConfiguration

The configuration that specifies which cookies should be synchronized from the end user's local browser to the remote browser.

Type: CookieSynchronizationConfiguration object

Required: No

copyAllowed

Specifies whether the user can copy text from the streaming session to the local device.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

customerManagedKey

The customer managed key used to encrypt sensitive information in the user settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:kms:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:key\/[a-`
`zA-Z0-9-]+$`

Required: No

deepLinkAllowed

Specifies whether the user can use deep links that open automatically when connecting to a session.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

disconnectTimeoutInMinutes

The amount of time that a streaming session remains active after users disconnect.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 600.

Required: No

downloadAllowed

Specifies whether the user can download files from the streaming session to the local device.

Type: String

Valid Values: `Disabled` | `Enabled`

Required: No

idleDisconnectTimeoutInMinutes

The amount of time that users can be idle (inactive) before they are disconnected from their streaming session and the disconnect timeout interval begins.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 60.

Required: No

pasteAllowed

Specifies whether the user can paste text from the local device to the streaming session.

Type: String

Valid Values: `Disabled` | `Enabled`

Required: No

printAllowed

Specifies whether the user can print to the local device.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

uploadAllowed

Specifies whether the user can upload files from the local device to the streaming session.

Type: String

Valid Values: `Disabled | Enabled`

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](#)

UserSettingsSummary

The summary of user settings.

Contents

userSettingsArn

The ARN of the user settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-]+:[a-zA-Z0-9\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-]{36})+$`

Required: Yes

cookieSynchronizationConfiguration

The configuration that specifies which cookies should be synchronized from the end user's local browser to the remote browser.

Type: CookieSynchronizationConfiguration object

Required: No

copyAllowed

Specifies whether the user can copy text from the streaming session to the local device.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

deepLinkAllowed

Specifies whether the user can use deep links that open automatically when connecting to a session.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

disconnectTimeoutInMinutes

The amount of time that a streaming session remains active after users disconnect.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 600.

Required: No

downloadAllowed

Specifies whether the user can download files from the streaming session to the local device.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

idleDisconnectTimeoutInMinutes

The amount of time that users can be idle (inactive) before they are disconnected from their streaming session and the disconnect timeout interval begins.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 60.

Required: No

pasteAllowed

Specifies whether the user can paste text from the local device to the streaming session.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

printAllowed

Specifies whether the user can print to the local device.

Type: String

Valid Values: `Disabled | Enabled`

Required: No

uploadAllowed

Specifies whether the user can upload files from the local device to the streaming session.

Type: String

Valid Values: `Disabled | Enabled`

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](#)

ValidationExceptionField

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

Contents

message

The message describing why the field failed validation.

Type: String

Required: Yes

name

The name of the field that failed validation.

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*.

Action

　　The action to be performed.

　　Type: string

　　Required: Yes

Version

　　The API version that the request is written for, expressed in the format YYYY-MM-DD.

　　Type: string

　　Required: Yes

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