



API Reference

Amazon WorkSpaces Secure Browser



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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 April 7, 2026.

Actions

The following actions are supported:

- [AssociateBrowserSettings](#)
- [AssociateDataProtectionSettings](#)
- [AssociateIpAccessSettings](#)
- [AssociateNetworkSettings](#)
- [AssociateSessionLogger](#)
- [AssociateTrustStore](#)
- [AssociateUserAccessLoggingSettings](#)
- [AssociateUserSettings](#)
- [CreateBrowserSettings](#)
- [CreateDataProtectionSettings](#)
- [CreateIdentityProvider](#)
- [CreateIpAccessSettings](#)
- [CreateNetworkSettings](#)
- [CreatePortal](#)
- [CreateSessionLogger](#)
- [CreateTrustStore](#)
- [CreateUserAccessLoggingSettings](#)
- [CreateUserSettings](#)
- [DeleteBrowserSettings](#)
- [DeleteDataProtectionSettings](#)
- [DeleteIdentityProvider](#)
- [DeleteIpAccessSettings](#)
- [DeleteNetworkSettings](#)
- [DeletePortal](#)
- [DeleteSessionLogger](#)
- [DeleteTrustStore](#)
- [DeleteUserAccessLoggingSettings](#)

- [DeleteUserSettings](#)
- [DisassociateBrowserSettings](#)
- [DisassociateDataProtectionSettings](#)
- [DisassociateIpAccessSettings](#)
- [DisassociateNetworkSettings](#)
- [DisassociateSessionLogger](#)
- [DisassociateTrustStore](#)
- [DisassociateUserAccessLoggingSettings](#)
- [DisassociateUserSettings](#)
- [ExpireSession](#)
- [GetBrowserSettings](#)
- [GetDataProtectionSettings](#)
- [GetIdentityProvider](#)
- [GetIpAccessSettings](#)
- [GetNetworkSettings](#)
- [GetPortal](#)
- [GetPortalServiceProviderMetadata](#)
- [GetSession](#)
- [GetSessionLogger](#)
- [GetTrustStore](#)
- [GetTrustStoreCertificate](#)
- [GetUserAccessLoggingSettings](#)
- [GetUserSettings](#)
- [ListBrowserSettings](#)
- [ListDataProtectionSettings](#)
- [ListIdentityProviders](#)
- [ListIpAccessSettings](#)
- [ListNetworkSettings](#)
- [ListPortals](#)
- [ListSessionLoggers](#)

- [ListSessions](#)
- [ListTagsForResource](#)
- [ListTrustStoreCertificates](#)
- [ListTrustStores](#)
- [ListUserAccessLoggingSettings](#)
- [ListUserSettings](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateBrowserSettings](#)
- [UpdateDataProtectionSettings](#)
- [UpdateIdentityProvider](#)
- [UpdateIpAccessSettings](#)
- [UpdateNetworkSettings](#)
- [UpdatePortal](#)
- [UpdateSessionLogger](#)
- [UpdateTrustStore](#)
- [UpdateUserAccessLoggingSettings](#)
- [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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

AssociateDataProtectionSettings

Associates a data protection settings resource with a web portal.

Request Syntax

```
PUT /portals/portalArn/dataProtectionSettings?  
dataProtectionSettingsArn=dataProtectionSettingsArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

dataProtectionSettingsArn

The ARN of the data protection 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

{
  "dataProtectionSettingsArn": "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.

dataProtectionSettingsArn

The ARN of the data protection 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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

AssociateSessionLogger

Associates a session logger with a portal.

Request Syntax

```
PUT /portals/portalArn/sessionLogger?sessionLoggerArn=sessionLoggerArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the portal to associate to the session logger ARN.

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

sessionLoggerArn

The ARN of the session logger to associate to the portal ARN.

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",
  "sessionLoggerArn": "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 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})+`

sessionLoggerArn

The ARN of the session logger.

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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"
    }
  ],
  "webContentFilteringPolicy": {
    "allowedUrls": [ "string" ],
    "blockedCategories": [ "string" ],
    "blockedUrls": [ "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: 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 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

webContentFilteringPolicy

The policy that specifies which URLs end users are allowed to access or which URLs or domain categories they are restricted from accessing for enhanced security.

Type: [WebContentFilteringPolicy](#) object

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

CreateDataProtectionSettings

Creates a data protection settings resource that can be associated with a web portal.

Request Syntax

```
POST /dataProtectionSettings HTTP/1.1
```

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

```
{
  "additionalEncryptionContext": {
    "string" : "string"
  },
  "clientToken": "string",
  "customerManagedKey": "string",
  "description": "string",
  "displayName": "string",
  "inlineRedactionConfiguration": {
    "globalConfidenceLevel": number,
    "globalEnforcedUrls": [ "string" ],
    "globalExemptUrls": [ "string" ],
    "inlineRedactionPatterns": [
      {
        "builtInPatternId": "string",
        "confidenceLevel": number,
        "customPattern": {
          "keywordRegex": "string",
          "patternDescription": "string",
          "patternName": "string",
          "patternRegex": "string"
        },
        "enforcedUrls": [ "string" ],
        "exemptUrls": [ "string" ],
        "redactionPlaceholder": {
          "redactionPlaceholderText": "string",
          "redactionPlaceholderType": "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 data protection 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 data protection 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 data protection settings.

Type: String

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

Pattern: `[_\-\d\w]+`

Required: No

displayName

The display name of the data protection settings.

Type: String

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

Pattern: `[_\-\d\w]+`

Required: No

inlineRedactionConfiguration

The inline redaction configuration of the data protection settings that will be applied to all sessions.

Type: [InlineRedactionConfiguration](#) object

Required: No

tags

The tags to add to the data protection 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

{
  "dataProtectionSettingsArn": "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.

[dataProtectionSettingsArn](#)

The ARN of the data protection 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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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*

- `jwtks_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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 5 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

vpclId

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-zA-Z0-9\-_]{36})+

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

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,
  "portalCustomDomain": "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](#)

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

portalCustomDomain

The custom domain of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

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

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-z0-9](?:[a-z0-9-]{0,61}[a-z0-9])?\.)+[a-z0-9][a-z0-9-]{0,61}[a-z0-9]`

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

CreateSessionLogger

Creates a session logger.

Request Syntax

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

```
{
  "additionalEncryptionContext": {
    "string" : "string"
  },
  "clientToken": "string",
  "customerManagedKey": "string",
  "displayName": "string",
  "eventFilter": { ... },
  "logConfiguration": {
    "s3": {
      "bucket": "string",
      "bucketOwner": "string",
      "folderStructure": "string",
      "keyPrefix": "string",
      "logFileFormat": "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

The additional encryption context of the session logger.

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 session logger.

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 human-readable display name for the session logger resource.

Type: String

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

Pattern: [_\-\d\w]+

Required: No

eventFilter

The filter that specifies the events to monitor.

Type: [EventFilter](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

logConfiguration

The configuration that specifies where logs are delivered.

Type: [LogConfiguration](#) object

Required: Yes

tags

The tags to add to the session logger.

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

{
  "sessionLoggerArn": "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.

sessionLoggerArn

The ARN of the session logger.

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

Examples

Sample request for all events

The following is a sample requests to capture all events.

```
{
  "eventFilter": {
    "all": {}
  },
  "logConfiguration": {
    "s3": {
      "bucket": "my-bucket",
      "keyPrefix": "my-prefix",
      "logFileFormat": "Json",
      "folderStructure": "Flat"
    }
  },
  "displayName": "my-session-logger"
}
```

Sample request for a few events

The following is a sample requests to capture a few events.

```
{
  "eventFilter": {
    "include": ["UrlLoad", "SessionStart", "ContentPasteToWebsite"]
  },
}
```

```
"logConfiguration": {
  "s3": {
    "bucket": "my-bucket",
    "keyPrefix": "my-prefix",
    "logFileFormat": "Json",
    "folderStructure": "Flat"
  }
},
"displayName": "my-session-logger"
}
```

Sample request to use a bucket in a different account

The following is a sample request to send events to a bucket owned by a different account.

```
{
  "eventFilter": {
    "all": {}
  },
  "logConfiguration": {
    "s3": {
      "bucket": "bucket-in-account-000000000000",
      "bucketOwner": "000000000000",
      "keyPrefix": "my-prefix",
      "logFileFormat": "Json",
      "folderStructure": "Flat"
    }
  },
  "displayName": "my-session-logger"
}
```

Sample Response

The following is a sample response.

```
{
  "sessionLoggerArn": "arn:aws:workspaces-web:us-
east-1:123456789012:sessionLogger/my-session-logger-id"
```

```
}
```

See Also

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

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

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

Length Constraints: Minimum length of 1. Maximum length of 32768.

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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"
  },
  "brandingConfigurationInput": {
    "colorTheme": "string",
    "favicon": { ... },
    "localizedStrings": {
      "string" : {
        "browserTabTitle": "string",
        "contactButtonText": "string",
        "contactLink": "string",
        "loadingText": "string",
        "loginButtonText": "string",
        "loginDescription": "string",
        "loginTitle": "string",
        "welcomeText": "string"
      }
    },
    "logo": { ... },
    "termsOfService": "string",
    "wallpaper": { ... }
  },
  "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"
    }
  ],
  "toolbarConfiguration": {
    "hiddenToolbarItems": [ "string" ],
    "maxDisplayResolution": "string",
    "toolbarType": "string",
    "visualMode": "string"
  },
  "uploadAllowed": "string",
  "webAuthnAllowed": "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

brandingConfigurationInput

The branding configuration input that customizes the appearance of the web portal for end users. This includes a custom logo, favicon, localized strings, color theme, and optionally a wallpaper and terms of service.

Type: [BrandingConfigurationCreateInput](#) object

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

[toolbarConfiguration](#)

The configuration of the toolbar. This allows administrators to select the toolbar type and visual mode, set maximum display resolution for sessions, and choose which items are visible to end users during their sessions. If administrators do not modify these settings, end users retain control over their toolbar preferences.

Type: [ToolbarConfiguration](#) object

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

[webAuthnAllowed](#)

Specifies whether the user can use WebAuthn redirection for passwordless login to websites within the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

- [AWS SDK for Ruby V3](#)

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-zA-Z0-9\-_]{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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

DeleteDataProtectionSettings

Deletes data protection settings.

Request Syntax

```
DELETE /dataProtectionSettings/dataProtectionSettingsArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

dataProtectionSettingsArn

The ARN of the data protection 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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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-zA-Z0-9\-_]{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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

DeletelpAccessSettings

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

DeleteSessionLogger

Deletes a session logger resource.

Request Syntax

```
DELETE /sessionLoggers/sessionLoggerArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

sessionLoggerArn

The ARN of the session logger.

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-zA-Z0-9\-\-]{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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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-zA-Z0-9\-\-]{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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

DisassociateDataProtectionSettings

Disassociates data protection settings from a web portal.

Request Syntax

```
DELETE /portals/portalArn/dataProtectionSettings 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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

DisassociateSessionLogger

Disassociates a session logger from a portal.

Request Syntax

```
DELETE /portals/portalArn/sessionLogger HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalArn

The ARN of the portal to disassociate from the a session logger.

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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-zA-Z0-9\-_]{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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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-zA-Z0-9\-\-]{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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

ExpireSession

Expires an active secure browser session.

Request Syntax

```
DELETE /portals/portalId/sessions/sessionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalId

The ID of the web portal for the session.

Length Constraints: Fixed length of 36.

Pattern: [a-zA-Z0-9\ -]+

Required: Yes

sessionId

The ID of the session to expire.

Length Constraints: Fixed length of 36.

Pattern: [a-zA-Z0-9\ -]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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",
    "webContentFilteringPolicy": {
      "allowedUrls": [ "string" ],
      "blockedCategories": [ "string" ],
      "blockedUrls": [ "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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

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

GetDataProtectionSettings

Gets the data protection settings.

Request Syntax

```
GET /dataProtectionSettings/dataProtectionSettingsArn+ HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

dataProtectionSettingsArn

The ARN of the data protection 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

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

```

    "description": "string",
    "displayName": "string",
    "inlineRedactionConfiguration": {
      "globalConfidenceLevel": number,
      "globalEnforcedUrls": [ "string" ],
      "globalExemptUrls": [ "string" ],
      "inlineRedactionPatterns": [
        {
          "builtInPatternId": "string",
          "confidenceLevel": number,
          "customPattern": {
            "keywordRegex": "string",
            "patternDescription": "string",
            "patternName": "string",
            "patternRegex": "string"
          },
          "enforcedUrls": [ "string" ],
          "exemptUrls": [ "string" ],
          "redactionPlaceHolder": {
            "redactionPlaceHolderText": "string",
            "redactionPlaceHolderType": "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.

dataProtectionSettings

The data protection settings.

Type: [DataProtectionSettings](#) object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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-zA-Z0-9\-\-]{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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

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",
"dataProtectionSettingsArn": "string",
"displayName": "string",
"instanceType": "string",
"ipAccessSettingsArn": "string",
"maxConcurrentSessions": number,
"networkSettingsArn": "string",
"portalArn": "string",
"portalCustomDomain": "string",
"portalEndpoint": "string",
"portalStatus": "string",
"rendererType": "string",
"sessionLoggerArn": "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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

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

GetSession

Gets information for a secure browser session.

Request Syntax

```
GET /portals/portalId/sessions/sessionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

portalId

The ID of the web portal for the session.

Length Constraints: Fixed length of 36.

Pattern: [a-zA-Z0-9\ -]+

Required: Yes

sessionId

The ID of the session.

Length Constraints: Fixed length of 36.

Pattern: [a-zA-Z0-9\ -]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "session": {
    "clientIpAddresses": [ "string" ],
    "endTime": number,
    "portalArn": "string",
    "sessionId": "string",
    "startTime": number,
    "status": "string",
    "username": "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.

session

The sessions in a list.

Type: [Session](#) object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

GetSessionLogger

Gets details about a specific session logger resource.

Request Syntax

```
GET /sessionLoggers/sessionLoggerArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

sessionLoggerArn

The ARN of the session logger.

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-zA-Z0-9\ -]{36})+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

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

```
"displayName": "string",
"eventFilter": { ... },
"logConfiguration": {
  "s3": {
    "bucket": "string",
    "bucketOwner": "string",
    "folderStructure": "string",
    "keyPrefix": "string",
    "logFileFormat": "string"
  }
},
"sessionLoggerArn": "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.

sessionLogger

The session logger details.

Type: [SessionLogger](#) object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

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" ],
    "brandingConfiguration": {
      "colorTheme": "string",
      "favicon": {
```

```
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "string"
  },
  "localizedStrings": {
    "string" : {
      "browserTabTitle": "string",
      "contactButtonText": "string",
      "contactLink": "string",
      "loadingText": "string",
      "loginButtonText": "string",
      "loginDescription": "string",
      "loginTitle": "string",
      "welcomeText": "string"
    }
  },
  "logo": {
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "string"
  },
  "termsOfService": "string",
  "wallpaper": {
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "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",
"toolbarConfiguration": {
  "hiddenToolbarItems": [ "string" ],
  "maxDisplayResolution": "string",
  "toolbarType": "string",
  "visualMode": "string"
},
"uploadAllowed": "string",
"userSettingsArn": "string",
"webAuthnAllowed": "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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

ListDataProtectionSettings

Retrieves a list of data protection settings.

Request Syntax

```
GET /dataProtectionSettings?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

{
  "dataProtectionSettings": [
    {
      "creationDate": number,
      "dataProtectionSettingsArn": "string",
      "description": "string",
```

```
    "displayName": "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.

dataProtectionSettings

The data protection settings.

Type: Array of [DataProtectionSettingsSummary](#) 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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

ListPortals

Retrieves a list of 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,
"dataProtectionSettingsArn": "string",
"displayName": "string",
"instanceType": "string",
"ipAccessSettingsArn": "string",
"maxConcurrentSessions": number,
"networkSettingsArn": "string",
"portalArn": "string",
"portalCustomDomain": "string",
"portalEndpoint": "string",
"portalStatus": "string",
"rendererType": "string",
"sessionLoggerArn": "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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

ListSessionLoggers

Lists all available session logger resources.

Request Syntax

```
GET /sessionLoggers?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",
  "sessionLoggers": [
    {
      "creationDate": number,
      "displayName": "string",
```

```
"logConfiguration": {
  "s3": {
    "bucket": "string",
    "bucketOwner": "string",
    "folderStructure": "string",
    "keyPrefix": "string",
    "logFileFormat": "string"
  },
  "sessionLoggerArn": "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+

sessionLoggers

The list of session loggers, including summaries of their details.

Type: Array of [SessionLoggerSummary](#) objects

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

ListSessions

Lists information for multiple secure browser sessions from a specific portal.

Request Syntax

```
GET /portals/portalId/sessions?  
maxResults=maxResults&nextToken=nextToken&sessionId=sessionId&sortBy=sortBy&status=status&user=user  
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+

portalId

The ID of the web portal for the sessions.

Length Constraints: Fixed length of 36.

Pattern: [a-zA-Z0-9\-\-]+

Required: Yes

sessionId

The ID of the session.

Length Constraints: Fixed length of 36.

Pattern: [a-zA-Z0-9\-\-]+

sortBy

The method in which the returned sessions should be sorted.

Valid Values: StartTimeAscending | StartTimeDescending

status

The status of the session.

Valid Values: Active | Terminated

username

The username of the session.

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

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "sessions": [
    {
      "endTime": number,
      "portalArn": "string",
      "sessionId": "string",
      "startTime": number,
      "status": "string",
      "username": "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+

sessions

The sessions in a list.

Type: Array of [SessionSummary](#) objects

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

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": [
    {
      "brandingConfiguration": {
        "colorTheme": "string",
        "favicon": {
```

```
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "string"
  },
  "localizedStrings": {
    "string" : {
      "browserTabTitle": "string",
      "contactButtonText": "string",
      "contactLink": "string",
      "loadingText": "string",
      "loginButtonText": "string",
      "loginDescription": "string",
      "loginTitle": "string",
      "welcomeText": "string"
    }
  },
  "logo": {
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "string"
  },
  "termsOfService": "string",
  "wallpaper": {
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "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",
"toolbarConfiguration": {
  "hiddenToolbarItems": [ "string" ],
  "maxDisplayResolution": "string",
  "toolbarType": "string",
  "visualMode": "string"
},
"uploadAllowed": "string",
"userSettingsArn": "string",
"webAuthnAllowed": "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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

TagResource

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

TooManyTagsException

There are too many tags.

resourceName

Name of the resource affected.

HTTP Status Code: 400

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

UpdateBrowserSettings

Updates browser settings.

Request Syntax

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

{
  "browserPolicy": "string",
  "clientToken": "string",
  "webContentFilteringPolicy": {
    "allowedUrls": [ "string" ],
    "blockedCategories": [ "string" ],
    "blockedUrls": [ "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

webContentFilteringPolicy

The policy that specifies which URLs end users are allowed to access or which URLs or domain categories they are restricted from accessing for enhanced security.

Type: [WebContentFilteringPolicy](#) object

Required: No

Response Syntax

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

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

```
"browserSettingsArn": "string",
"customerManagedKey": "string",
"webContentFilteringPolicy": {
  "allowedUrls": [ "string" ],
  "blockedCategories": [ "string" ],
  "blockedUrls": [ "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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

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

UpdateDataProtectionSettings

Updates data protection settings.

Request Syntax

```
PATCH /dataProtectionSettings/dataProtectionSettingsArn+ HTTP/1.1
```

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

```
{
  "clientToken": "string",
  "description": "string",
  "displayName": "string",
  "inlineRedactionConfiguration": {
    "globalConfidenceLevel": number,
    "globalEnforcedUrls": [ "string" ],
    "globalExemptUrls": [ "string" ],
    "inlineRedactionPatterns": [
      {
        "builtInPatternId": "string",
        "confidenceLevel": number,
        "customPattern": {
          "keywordRegex": "string",
          "patternDescription": "string",
          "patternName": "string",
          "patternRegex": "string"
        },
        "enforcedUrls": [ "string" ],
        "exemptUrls": [ "string" ],
        "redactionPlaceholder": {
          "redactionPlaceholderText": "string",
          "redactionPlaceholderType": "string"
        }
      }
    ]
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

dataProtectionSettingsArn

The ARN of the data protection 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 data protection settings.

Type: String

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

Pattern: `[_\-\d\w]+`

Required: No

displayName

The display name of the data protection settings.

Type: String

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

Pattern: [_\-\d\w]+

Required: No

inlineRedactionConfiguration

The inline redaction configuration of the data protection settings that will be applied to all sessions.

Type: [InlineRedactionConfiguration](#) object

Required: No

Response Syntax

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

{
  "dataProtectionSettings": {
    "additionalEncryptionContext": {
      "string" : "string"
    },
    "associatedPortalArns": [ "string" ],
    "creationDate": number,
    "customerManagedKey": "string",
    "dataProtectionSettingsArn": "string",
    "description": "string",
    "displayName": "string",
    "inlineRedactionConfiguration": {
      "globalConfidenceLevel": number,
      "globalEnforcedUrls": [ "string" ],
      "globalExemptUrls": [ "string" ],
      "inlineRedactionPatterns": [
```

```
{
  "builtInPatternId": "string",
  "confidenceLevel": number,
  "customPattern": {
    "keywordRegex": "string",
    "patternDescription": "string",
    "patternName": "string",
    "patternRegex": "string"
  },
  "enforcedUrls": [ "string" ],
  "exemptUrls": [ "string" ],
  "redactionPlaceholder": {
    "redactionPlaceholderText": "string",
    "redactionPlaceholderType": "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.

[dataProtectionSettings](#)

The data protection settings.

Type: [DataProtectionSettings](#) object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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*
- `jwtks_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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 5 items.

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

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

Required: No

vpId

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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,
  "portalCustomDomain": "string"
}
```

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

portalCustomDomain

The custom domain of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

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

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",
    "dataProtectionSettingsArn": "string",
    "displayName": "string",
    "instanceType": "string",
    "ipAccessSettingsArn": "string",
    "maxConcurrentSessions": number,
    "networkSettingsArn": "string",
    "portalArn": "string",
    "portalCustomDomain": "string",
    "portalEndpoint": "string",
    "portalStatus": "string",
    "rendererType": "string",
    "sessionLoggerArn": "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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

ConflictException

There is a conflict.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

HTTP Status Code: 409

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

UpdateSessionLogger

Updates the details of a session logger.

Request Syntax

```
POST /sessionLoggers/sessionLoggerArn HTTP/1.1
Content-type: application/json
```

```
{
  "displayName": "string",
  "eventFilter": { ... },
  "logConfiguration": {
    "s3": {
      "bucket": "string",
      "bucketOwner": "string",
      "folderStructure": "string",
      "keyPrefix": "string",
      "logFileFormat": "string"
    }
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

[sessionLoggerArn](#)

The ARN of the session logger to update.

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.

displayName

The updated display name.

Type: String

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

Pattern: [_\-\d\w]+

Required: No

eventFilter

The updated eventFilter.

Type: [EventFilter](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

logConfiguration

The updated logConfiguration.

Type: [LogConfiguration](#) object

Required: No

Response Syntax

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

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

```
"eventFilter": { ... },
"logConfiguration": {
  "s3": {
    "bucket": "string",
    "bucketOwner": "string",
    "folderStructure": "string",
    "keyPrefix": "string",
    "logFileFormat": "string"
  }
},
"sessionLoggerArn": "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.

sessionLogger

The updated details of the session logger.

Type: [SessionLogger](#) object

Errors

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

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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

Length Constraints: Minimum length of 1. Maximum length of 32768.

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-Za-z0-9]{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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ServiceQuotaExceededException

The service quota has been exceeded.

quotaCode

The originating quota.

resourceId

Identifier of the resource affected.

resourceType

Type of the resource affected.

serviceCode

The originating service.

HTTP Status Code: 402

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerError

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

UpdateUserSettings

Updates the user settings.

Request Syntax

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

```
{
  "brandingConfigurationInput": {
    "colorTheme": "string",
    "favicon": { ... },
    "localizedStrings": {
      "string": {
        "browserTabTitle": "string",
        "contactButtonText": "string",
        "contactLink": "string",
        "loadingText": "string",
        "loginButtonText": "string",
        "loginDescription": "string",
        "loginTitle": "string",
        "welcomeText": "string"
      }
    },
    "logo": { ... },
    "termsOfService": "string",
    "wallpaper": { ... }
  },
  "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",
"toolbarConfiguration": {
  "hiddenToolbarItems": [ "string" ],
  "maxDisplayResolution": "string",
  "toolbarType": "string",
  "visualMode": "string"
},
"uploadAllowed": "string",
"webAuthnAllowed": "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.

brandingConfigurationInput

The branding configuration that customizes the appearance of the web portal for end users. When updating user settings without an existing branding configuration, all fields (logo,

favicon, localized strings, and color theme) are required except for wallpaper and terms of service. When updating user settings with an existing branding configuration, all fields are optional.

Type: [BrandingConfigurationUpdateInput](#) object

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

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

toolbarConfiguration

The configuration of the toolbar. This allows administrators to select the toolbar type and visual mode, set maximum display resolution for sessions, and choose which items are visible to end users during their sessions. If administrators do not modify these settings, end users retain control over their toolbar preferences.

Type: [ToolbarConfiguration](#) object

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

webAuthnAllowed

Specifies whether the user can use WebAuthn redirection for passwordless login to websites within 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" ],
    "brandingConfiguration": {
      "colorTheme": "string",
      "favicon": {
        "fileExtension": "string",
        "lastUploadTimestamp": number,
        "mimeType": "string"
      },
      "localizedStrings": {
        "string" : {
          "browserTabTitle": "string",
          "contactButtonText": "string",
          "contactLink": "string",
          "loadingText": "string",
          "loginButtonText": "string",
          "loginDescription": "string",
          "loginTitle": "string",
          "welcomeText": "string"
        }
      },
      "logo": {
        "fileExtension": "string",
        "lastUploadTimestamp": number,
        "mimeType": "string"
      },
      "termsOfService": "string",
      "wallpaper": {
        "fileExtension": "string",
        "lastUploadTimestamp": number,
        "mimeType": "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",
  "toolbarConfiguration": {
    "hiddenToolbarItems": [ "string" ],
    "maxDisplayResolution": "string",
    "toolbarType": "string",
    "visualMode": "string"
  },
  "uploadAllowed": "string",
  "userSettingsArn": "string",
  "webAuthnAllowed": "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 Error Types](#).

AccessDeniedException

Access is denied.

HTTP Status Code: 403

InternalServerErrorException

There is an internal server error.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

ResourceNotFoundException

The resource cannot be found.

resourceId

Hypothetical identifier of the resource affected.

resourceType

Hypothetical type of the resource affected.

HTTP Status Code: 404

ThrottlingException

There is a throttling error.

quotaCode

The originating quota.

retryAfterSeconds

Advice to clients on when the call can be safely retried.

serviceCode

The originating service.

HTTP Status Code: 429

ValidationException

There is a validation error.

fieldList

The field that caused the error.

reason

Reason the request failed validation

HTTP Status Code: 400

See Also

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

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

Data Types

The 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:

- [BrandingConfiguration](#)
- [BrandingConfigurationCreateInput](#)
- [BrandingConfigurationUpdateInput](#)
- [BrowserSettings](#)
- [BrowserSettingsSummary](#)
- [Certificate](#)
- [CertificateSummary](#)
- [CookieSpecification](#)
- [CookieSynchronizationConfiguration](#)
- [CustomPattern](#)
- [DataProtectionSettings](#)
- [DataProtectionSettingsSummary](#)
- [EventFilter](#)
- [IconImageInput](#)
- [IdentityProvider](#)
- [IdentityProviderSummary](#)
- [ImageMetadata](#)
- [InlineRedactionConfiguration](#)
- [InlineRedactionPattern](#)
- [IpAccessSettings](#)

- [IpAccessSettingsSummary](#)
- [IpRule](#)
- [LocalizedBrandingStrings](#)
- [LogConfiguration](#)
- [NetworkSettings](#)
- [NetworkSettingsSummary](#)
- [Portal](#)
- [PortalSummary](#)
- [RedactionPlaceHolder](#)
- [S3LogConfiguration](#)
- [Session](#)
- [SessionLogger](#)
- [SessionLoggerSummary](#)
- [SessionSummary](#)
- [Tag](#)
- [ToolbarConfiguration](#)
- [TrustStore](#)
- [TrustStoreSummary](#)
- [UserAccessLoggingSettings](#)
- [UserAccessLoggingSettingsSummary](#)
- [UserSettings](#)
- [UserSettingsSummary](#)
- [ValidationExceptionField](#)
- [WallpaperImageInput](#)
- [WebContentFilteringPolicy](#)

BrandingConfiguration

The branding configuration output including custom images metadata, localized strings, color theme, and terms of service.

Contents

colorTheme

The color theme for components on the web portal.

Type: String

Valid Values: Light | Dark

Required: Yes

favicon

Metadata for the favicon image file, including the MIME type, file extension, and upload timestamp.

Type: [ImageMetadata](#) object

Required: Yes

localizedStrings

A map of localized text strings for different languages, allowing the portal to display content in the user's preferred language.

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

Valid Keys: de-DE | en-US | es-ES | fr-FR | id-ID | it-IT | ja-JP | ko-KR | pt-BR | zh-CN | zh-TW

Required: Yes

logo

Metadata for the logo image file, including the MIME type, file extension, and upload timestamp.

Type: [ImageMetadata](#) object

Required: Yes

termsOfService

The terms of service text in Markdown format that users must accept before accessing the portal.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 153600.

Required: No

wallpaper

Metadata for the wallpaper image file, including the MIME type, file extension, and upload timestamp.

Type: [ImageMetadata](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

BrandingConfigurationCreateInput

The input configuration for creating branding settings.

Contents

colorTheme

The color theme for components on the web portal. Choose `Light` if you upload a dark wallpaper, or `Dark` for a light wallpaper.

Type: String

Valid Values: `Light` | `Dark`

Required: Yes

favicon

The favicon image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 100 KB in JPEG, PNG, or ICO format.

Type: [IconImageInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

localizedStrings

A map of localized text strings for different supported languages. Each locale must provide the required fields `browserTabTitle` and `welcomeText`.

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

Valid Keys: `de-DE` | `en-US` | `es-ES` | `fr-FR` | `id-ID` | `it-IT` | `ja-JP` | `ko-KR` | `pt-BR` | `zh-CN` | `zh-TW`

Required: Yes

logo

The logo image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 100 KB in JPEG, PNG, or ICO format.

Type: [IconImageInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

termsOfService

The terms of service text in Markdown format. Users will be presented with the terms of service after successfully signing in.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 153600.

Required: No

wallpaper

The wallpaper image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 5 MB in JPEG or PNG format. If not provided, a default wallpaper will be used as the background image.

Type: [WallpaperImageInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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](#)

BrandingConfigurationUpdateInput

The input configuration for updating branding settings. All fields are optional when updating existing branding.

Contents

colorTheme

The color theme for components on the web portal. Choose `Light` if you upload a dark wallpaper, or `Dark` for a light wallpaper.

Type: String

Valid Values: `Light` | `Dark`

Required: No

favicon

The favicon image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 100 KB in JPEG, PNG, or ICO format.

Type: [IconImageInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

localizedStrings

A map of localized text strings for different supported languages. Each locale must provide the required fields `browserTabTitle` and `welcomeText`.

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

Valid Keys: `de-DE` | `en-US` | `es-ES` | `fr-FR` | `id-ID` | `it-IT` | `ja-JP` | `ko-KR` | `pt-BR` | `zh-CN` | `zh-TW`

Required: No

logo

The logo image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 100 KB in JPEG, PNG, or ICO format.

Type: [IconImageInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

termsOfService

The terms of service text in Markdown format. To remove existing terms of service, provide an empty string.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 153600.

Required: No

wallpaper

The wallpaper image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 5 MB in JPEG or PNG format.

Type: [WallpaperImageInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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](#)

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]{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

webContentFilteringPolicy

The policy that specifies which URLs end users are allowed to access or which URLs or domain categories they are restricted from accessing for enhanced security.

Type: [WebContentFilteringPolicy](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

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

Length Constraints: Minimum length of 1. Maximum length of 32768.

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](#)

CustomPattern

The pattern configuration for redacting custom data types in session.

Contents

patternName

The pattern name for the custom pattern.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `[_\-\d\w]+`

Required: Yes

patternRegex

The pattern regex for the customer pattern. The format must follow JavaScript regex format. The pattern must be enclosed between slashes, and can have flags behind the second slash. For example: `"/ab+c/gi"`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 300.

Pattern: `\(((?:[^\n]))+)\)/([gimsuyvd]{0,8})`

Required: Yes

keywordRegex

The keyword regex for the customer pattern. After there is a match to the pattern regex, the keyword regex is used to search within the proximity of the match. If there is a keyword match, then the match is confirmed. If no keyword regex is provided, the pattern regex match will automatically be confirmed. The format must follow JavaScript regex format. The pattern must be enclosed between slashes, and can have flags behind the second slash. For example, `"/ab+c/gi"`

Type: String

Length Constraints: Minimum length of 0. Maximum length of 300.

Pattern: `\((?:[^\n])+)\)/([gimsuyvd]{0,8})`

Required: No

patternDescription

The pattern description for the customer pattern.

Type: String

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

Pattern: `[_\-\d\w]+`

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](#)

DataProtectionSettings

The data protection settings resource that can be associated with a web portal.

Contents

dataProtectionSettingsArn

The ARN of the data protection 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 data protection 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 data protection 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 data protection settings.

Type: Timestamp

Required: No

customerManagedKey

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

Type: String

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

Pattern: `[_\-\d\w]+`

Required: No

displayName

The display name of the data protection settings.

Type: String

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

Pattern: `[_\-\d\w]+`

Required: No

inlineRedactionConfiguration

The inline redaction configuration for the data protection settings.

Type: [InlineRedactionConfiguration](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DataProtectionSettingsSummary

The summary of the data protection settings.

Contents

dataProtectionSettingsArn

The ARN of the data protection 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 data protection settings.

Type: Timestamp

Required: No

description

The description of the data protection settings.

Type: String

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

Pattern: `[_\-\d\w]+`

Required: No

displayName

The display name of the data protection settings.

Type: String

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

Pattern: [_\-\d\w]+

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](#)

EventFilter

The filter that specifies the events to monitor.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

all

The filter that monitors all of the available events, including any new events emitted in the future.

Type: Structure

Required: No

include

The filter that monitors only the listed set of events. New events are not auto-monitored.

Type: Array of strings

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

Valid Values: `WebsiteInteract` | `FileDownloadFromSecureBrowserToRemoteDisk` | `FileTransferFromRemoteToLocalDisk` | `FileTransferFromLocalToRemoteDisk` | `FileUploadFromRemoteDiskToSecureBrowser` | `ContentPasteToWebsite` | `ContentTransferFromLocalToRemoteClipboard` | `ContentCopyFromWebsite` | `UrlLoad` | `TabOpen` | `TabClose` | `PrintJobSubmit` | `SessionConnect` | `SessionStart` | `SessionDisconnect` | `SessionEnd` | `UrlBlockByContentFilter`

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](#)

IconImageInput

The input for an icon image (logo or favicon). Provide either a binary image file or an S3 URI pointing to the image file. Maximum 100 KB in JPEG, PNG, or ICO format.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

blob

The image provided as a binary image file.

Type: Base64-encoded binary data object

Length Constraints: Minimum length of 0. Maximum length of 102400.

Required: No

s3Uri

The S3 URI pointing to the image file. The URI must use the format `s3://bucket-name/key-name`. You must have read access to the S3 object.

Type: String

Pattern: `s3://[a-z0-9][a-z0-9\.\-]{1,61}[a-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](#)

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*
 - `jwt_keys_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](#)

ImageMetadata

Metadata information about an uploaded image file.

Contents

fileExtension

The file extension of the image.

Type: String

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

Pattern: `[\s\S]*`

Required: Yes

lastUploadTimestamp

The timestamp when the image was last uploaded.

Type: Timestamp

Required: Yes

mimeType

The MIME type of the image.

Type: String

Valid Values: `image/png` | `image/jpeg` | `image/x-icon`

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](#)

InlineRedactionConfiguration

The configuration for in-session inline redaction.

Contents

inlineRedactionPatterns

The inline redaction patterns to be enabled for the inline redaction configuration.

Type: Array of [InlineRedactionPattern](#) objects

Array Members: Minimum number of 0 items. Maximum number of 150 items.

Required: Yes

globalConfidenceLevel

The global confidence level for the inline redaction configuration. This indicates the certainty of data type matches in the redaction process. Confidence level 3 means high confidence, and requires a formatted text pattern match in order for content to be redacted. Confidence level 2 means medium confidence, and redaction considers both formatted and unformatted text, and adds keyword associate to the logic. Confidence level 1 means low confidence, and redaction is enforced for both formatted pattern + unformatted pattern without keyword. This is applied to patterns that do not have a pattern-level confidence level. Defaults to confidence level 2.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 3.

Required: No

globalEnforcedUrls

The global enforced URL configuration for the inline redaction configuration. This is applied to patterns that do not have a pattern-level enforced URL list.

Type: Array of strings

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

Pattern: `((([a-zA-Z][a-zA-Z0-9+.-]*)|\\|/|*|\\w%._\\-\\+~#=e|+)?(\\/[^e\\s]*|*|\\w%._\\-\\+~#=e|+)?(*|\\w%._\\-\\+~#=e|+)?|*|\\w%._\\-\\+~#=e|+)`

```
(?::(\d{1,5}))?(\/[^\s]*)?(?:\?([\^*\s]+(?:\*?)))?|((([a-zA-Z][a-zA-Z0-9+.-]*):(\/\/)?\*))
```

Required: No

globalExemptUrls

The global exempt URL configuration for the inline redaction configuration. This is applied to patterns that do not have a pattern-level exempt URL list.

Type: Array of strings

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

```
Pattern: ((([a-zA-Z][a-zA-Z0-9+.-]*):(\/\/)(\*|[\w%._\-\+~#=@]+)?(\/[^\s]*)?(?:\?([\^*\s]+(?:\*?)))?)|(\*|[\w%._\-\+~#=@]+)\.([\w%._\-\+~#=@]+)(?::(\d{1,5}))?(\/[^\s]*)?(?:\?([\^*\s]+(?:\*?)))?)|((([a-zA-Z][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](#)

InlineRedactionPattern

The set of patterns that determine the data types redacted in session.

Contents

redactionPlaceHolder

The redaction placeholder that will replace the redacted text in session for the inline redaction pattern.

Type: [RedactionPlaceHolder](#) object

Required: Yes

builtInPatternId

The built-in pattern from the list of preconfigured patterns. Either a customPattern or builtInPatternId is required.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[_\-\d\w]+`

Required: No

confidenceLevel

The confidence level for inline redaction pattern. This indicates the certainty of data type matches in the redaction process. Confidence level 3 means high confidence, and requires a formatted text pattern match in order for content to be redacted. Confidence level 2 means medium confidence, and redaction considers both formatted and unformatted text, and adds keyword associate to the logic. Confidence level 1 means low confidence, and redaction is enforced for both formatted pattern + unformatted pattern without keyword. This overrides the global confidence level.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 3.

Required: No

customPattern

>The configuration for a custom pattern. Either a customPattern or builtInPatternId is required.

Type: [CustomPattern](#) object

Required: No

enforcedUrls

The enforced URL configuration for the inline redaction pattern. This will override the global enforced URL configuration.

Type: Array of strings

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

Pattern: ((([a-zA-Z][a-zA-Z0-9+.-]*):\\\\(*|[\w%._\-\+\~#=@]+)?(\\/[^\s]*)?(?:\?(\^[*\s]+(?:\?*\?)))?)|(*|[\w%._\-\+\~#=@]+\.[\w%._\-\+\~#=@]+(?::(\d{1,5}))?(\\/[^\s]*)?(?:\?(\^[*\s]+(?:\?*\?)))?)|((([a-zA-Z][a-zA-Z0-9+.-]*):(\\\\\\)?*))

Required: No

exemptUrls

The exempt URL configuration for the inline redaction pattern. This will override the global exempt URL configuration for the inline redaction pattern.

Type: Array of strings

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

Pattern: ((([a-zA-Z][a-zA-Z0-9+.-]*):\\\\(*|[\w%._\-\+\~#=@]+)?(\\/[^\s]*)?(?:\?(\^[*\s]+(?:\?*\?)))?)|(*|[\w%._\-\+\~#=@]+\.[\w%._\-\+\~#=@]+(?::(\d{1,5}))?(\\/[^\s]*)?(?:\?(\^[*\s]+(?:\?*\?)))?)|((([a-zA-Z][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](#)

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](#)

LocalizedBrandingStrings

Localized text strings for a specific language that customize the web portal.

Contents

browserTabTitle

The text displayed in the browser tab title.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 25.

Pattern: [`^<>&'`~\\`]*

Required: Yes

welcomeText

The welcome text displayed on the sign-in page.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 150.

Pattern: [`^<>&'`~\\`]*

Required: Yes

contactButtonText

The text displayed on the contact button. This field is optional and defaults to "Contact us".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 30.

Pattern: [`^<>&'`~\\`]*

Required: No

contactLink

A contact link URL. The URL must start with `https://` or `mailto:.` If not provided, the contact button will be hidden from the web portal screen.

Type: String

Pattern: (https://|mailto:).*

Required: No

loadingText

The text displayed during session loading. This field is optional and defaults to "Loading your session".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 300.

Pattern: [^<>&'`~\\]*

Required: No

loginButtonText

The text displayed on the login button. This field is optional and defaults to "Sign In".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 30.

Pattern: [^<>&'`~\\]*

Required: No

loginDescription

The description text for the login section. This field is optional and defaults to "Sign in to your session".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 250.

Pattern: [^<>&'`~\\]*

Required: No

loginTitle

The title text for the login section. This field is optional and defaults to "Sign In".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

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](#)

LogConfiguration

The configuration of the log.

Contents

s3

The configuration for delivering the logs to S3.

Type: [S3LogConfiguration](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

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 5 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

vpclId

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

dataProtectionSettingsArn

The ARN of the data protection 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

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

portalCustomDomain

The custom domain of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

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

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-z0-9](?:[a-z0-9-]{0,61}[a-z0-9])?\.)+[a-z0-9][a-z0-9-]{0,61}[a-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

sessionLoggerArn

The ARN of the session logger that is associated with the 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

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

dataProtectionSettingsArn

The ARN of the data protection 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

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

portalCustomDomain

The custom domain of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

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

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-z0-9](?:[a-z0-9-]{0,61}[a-z0-9])?\.)+[a-z0-9][a-z0-9-]{0,61}[a-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

sessionLoggerArn

The ARN of the session logger that is associated with the 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

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](#)

RedactionPlaceholder

The redaction placeholder that will replace the redacted text in session.

Contents

redactionPlaceholderType

The redaction placeholder type that will replace the redacted text in session.

Type: String

Valid Values: CustomText

Required: Yes

redactionPlaceholderText

The redaction placeholder text that will replace the redacted text in session for the custom text redaction placeholder type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: [`*_-\d\w`]+

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](#)

S3LogConfiguration

The S3 log configuration.

Contents

bucket

The S3 bucket name where logs are delivered.

Type: String

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

Pattern: `[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9]`

Required: Yes

folderStructure

The folder structure that defines the organizational structure for log files in S3.

Type: String

Valid Values: Flat | NestedByDate

Required: Yes

logFileFormat

The format of the LogFile that is written to S3.

Type: String

Valid Values: JSONLines | Json

Required: Yes

bucketOwner

The expected bucket owner of the target S3 bucket. The caller must have permissions to write to the target bucket.

Type: String

Pattern: [0-9]{12}

Required: No

keyPrefix

The S3 path prefix that determines where log files are stored.

Type: String

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

Pattern: [\\d\\w\\-_\\/!() . * ']+

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](#)

Session

Information about a secure browser session.

Contents

clientIpAddresses

The IP address of the client.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 45 items.

Length Constraints: Minimum length of 1. Maximum length of 15.

Pattern: ((([0-9]|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5])\.){3}([0-9]|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5]))\$^(([\0-9a-fA-F]{1,4}:){7,7}[\0-9a-fA-F]{1,4}|([\0-9a-fA-F]{1,4}:){1,7}:|([\0-9a-fA-F]{1,4}:){1,6}:[\0-9a-fA-F]{1,4}|([\0-9a-fA-F]{1,4}:){1,5}(:[\0-9a-fA-F]{1,4}){1,2}|([\0-9a-fA-F]{1,4}:){1,4}(:[\0-9a-fA-F]{1,4}){1,3}|([\0-9a-fA-F]{1,4}:){1,3}(:[\0-9a-fA-F]{1,4}){1,4}|([\0-9a-fA-F]{1,4}:){1,2}(:[\0-9a-fA-F]{1,4}){1,5}|[\0-9a-fA-F]{1,4}:((:[\0-9a-fA-F]{1,4}){1,6})|:(:([\0-9a-fA-F]{1,4}){1,7}|:)|fe80:(:[\0-9a-fA-F]{0,4}){0,4}%[\0-9a-zA-Z]{1,}|:(:ffff(:[\0-9a-fA-F]{0,1}){0,1}){0,1}((25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9])\.){3,3}(25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9]|([\0-9a-fA-F]{1,4}:){1,4}:((25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9])\.){3,3}(25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9]))

Required: No

endTime

The end time of the session.

Type: Timestamp

Required: No

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-zA-Z0-9\-_]{36})+`

Required: No

sessionId

The ID of the session.

Type: String

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

Pattern: `[\s\S]*`

Required: No

startTime

The start time of the session.

Type: Timestamp

Required: No

status

The status of the session.

Type: String

Valid Values: Active | Terminated

Required: No

username

The username of the session.

Type: String

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

Pattern: `[\s\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](#)

SessionLogger

The session logger resource.

Contents

sessionLoggerArn

The ARN of the session logger 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 session logger.

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

The associated portal ARN.

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 date the session logger resource was created.

Type: Timestamp

Required: No

customerManagedKey

The custom managed key of the session logger.

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 human-readable display name.

Type: String

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

Pattern: `[_\-\d\w]+`

Required: No

eventFilter

The filter that specifies which events to monitor.

Type: [EventFilter](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

logConfiguration

The configuration that specifies where logs are forwarded.

Type: [LogConfiguration](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SessionLoggerSummary

The summary of the session logger resource.

Contents

sessionLoggerArn

The ARN of the session logger 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

creationDate

The date the session logger resource was created.

Type: Timestamp

Required: No

displayName

The human-readable display name.

Type: String

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

Pattern: `[_\-\d\w]+`

Required: No

logConfiguration

The configuration that specifies where the logs are forwarded.

Type: [LogConfiguration](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SessionSummary

Summary information about a secure browser session.

Contents

endTime

The end time of the session.

Type: Timestamp

Required: No

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: No

sessionId

The ID of the session.

Type: String

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

Pattern: `[\s\S]*`

Required: No

startTime

The start time of the session.

Type: Timestamp

Required: No

status

The status of the session.

Type: String

Valid Values: Active | Terminated

Required: No

username

The username of the session.

Type: String

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

Pattern: `[\s\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](#)

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](#)

ToolbarConfiguration

The configuration of the toolbar. This allows administrators to select the toolbar type and visual mode, set maximum display resolution for sessions, and choose which items are visible to end users during their sessions. If administrators do not modify these settings, end users retain control over their toolbar preferences.

Contents

hiddenToolbarItems

The list of toolbar items to be hidden.

Type: Array of strings

Valid Values: `Windows` | `DualMonitor` | `FullScreen` | `Webcam` | `Microphone`

Required: No

maxDisplayResolution

The maximum display resolution that is allowed for the session.

Type: String

Valid Values: `size4096X2160` | `size3840X2160` | `size3440X1440` | `size2560X1440`
| `size1920X1080` | `size1280X720` | `size1024X768` | `size800X600`

Required: No

toolbarType

The type of toolbar displayed during the session.

Type: String

Valid Values: `Floating` | `Docked`

Required: No

visualMode

The visual mode of the toolbar.

Type: String

Valid Values: Dark | Light

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](#)

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]{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]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

brandingConfiguration

The branding configuration output that customizes the appearance of the web portal for end users.

Type: [BrandingConfiguration](#) object

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

toolbarConfiguration

The configuration of the toolbar. This allows administrators to select the toolbar type and visual mode, set maximum display resolution for sessions, and choose which items are visible to end users during their sessions. If administrators do not modify these settings, end users retain control over their toolbar preferences.

Type: [ToolbarConfiguration](#) object

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

webAuthnAllowed

Specifies whether the user can use WebAuthn redirection for passwordless login to websites within 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

brandingConfiguration

The branding configuration output that customizes the appearance of the web portal for end users.

Type: [BrandingConfiguration](#) object

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

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

toolbarConfiguration

The configuration of the toolbar. This allows administrators to select the toolbar type and visual mode, set maximum display resolution for sessions, and choose which items are visible to end users during their sessions. If administrators do not modify these settings, end users retain control over their toolbar preferences.

Type: [ToolbarConfiguration](#) object

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

webAuthnAllowed

Specifies whether the user can use WebAuthn redirection for passwordless login to websites within 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](#)

WallpaperImageInput

The input for a wallpaper image. Provide the image as either a binary image file or an S3 URI. Maximum 5 MB in JPEG or PNG format.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

blob

The image provided as a binary image file.

Type: Base64-encoded binary data object

Length Constraints: Minimum length of 0. Maximum length of 5242880.

Required: No

s3Uri

The S3 URI pointing to the image file. The URI must use the format `s3://bucket-name/key-name`. You must have read access to the S3 object.

Type: String

Pattern: `s3://[a-z0-9][a-z0-9\.\-]{1,61}[a-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](#)

WebContentFilteringPolicy

The policy that specifies which URLs end users are allowed to access or which URLs or domain categories they are restricted from accessing for enhanced security.

Contents

allowedUrls

URLs and domains that are always accessible to end users.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Pattern: `((([a-zA-Z][a-zA-Z0-9+.-]*)\:\/\/(*|[\w%._\-\+\~#=e]+)?(\\/[^\s]*)?(?:\?([\^*\s]+(?:\?*))?)|(*|[\w%._\-\+\~#=e]+\.[\w%._\-\+\~#=e]+)(?::(\d{1,5}))?\\/[^\s]*)?(?:\?([\^*\s]+(?:\?*))?)|((([a-zA-Z][a-zA-Z0-9+.-]*)\:\/\/)?*))`

Required: No

blockedCategories

Categories of websites that are blocked on the end user's browsers.

Type: Array of strings

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

Valid Values: Cults | Gambling | Nudity | Pornography | SexEducation | Tasteless | Violence | DownloadSites | ImageSharing | PeerToPeer | StreamingMediaAndDownloads | GenerativeAI | CriminalActivity | Hacking | HateAndIntolerance | IllegalDrug | IllegalSoftware | SchoolCheating | SelfHarm | Weapons | Chat | Games | InstantMessaging | ProfessionalNetwork | SocialNetworking | WebBasedEmail | ParkedDomains

Required: No

blockedUrls

URLs and domains that end users cannot access.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Pattern: ((([a-zA-Z][a-zA-Z0-9+.-]*):\\\\(*|[\w%._\-\+~#=e]+)?(\\[^@\\s]*)?(?:\\?([^\s]+(?:*?)))?)|(*|[\w%._\-\+~#=e]+\.[\w%._\-\+~#=e]+)(?::(\d{1,5}))?(\\[^@\\s]*)?(?:\\?([^\s]+(?:*?)))?)|((([a-zA-Z][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](#)

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key/YYYYMMDD/region/service/aws4_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400