



API Reference

# Amazon WorkSpaces Secure Browser



**API Version 2020-07-08**

Copyright © 2024 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

# Amazon WorkSpaces Secure Browser: API Reference

Copyright © 2024 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

Amazon's trademarks and trade dress may not be used in connection with any product or service that is not Amazon's, in any manner that is likely to cause confusion among customers, or in any manner that disparages or discredits Amazon. All other trademarks not owned by Amazon are the property of their respective owners, who may or may not be affiliated with, connected to, or sponsored by Amazon.

# Table of Contents

<b>Welcome .....</b>	<b>1</b>
<b>Actions .....</b>	<b>2</b>
AssociateBrowserSettings .....	5
Request Syntax .....	5
URI Request Parameters .....	5
Request Body .....	5
Response Syntax .....	5
Response Elements .....	6
Errors .....	6
See Also .....	7
AssociateIpaAccessSettings .....	9
Request Syntax .....	9
URI Request Parameters .....	9
Request Body .....	9
Response Syntax .....	9
Response Elements .....	10
Errors .....	10
See Also .....	11
AssociateNetworkSettings .....	13
Request Syntax .....	13
URI Request Parameters .....	13
Request Body .....	13
Response Syntax .....	13
Response Elements .....	14
Errors .....	14
See Also .....	15
AssociateTrustStore .....	17
Request Syntax .....	17
URI Request Parameters .....	17
Request Body .....	17
Response Syntax .....	17
Response Elements .....	18
Errors .....	18
See Also .....	19

AssociateUserAccessLoggingSettings .....	21
Request Syntax .....	21
URI Request Parameters .....	21
Request Body .....	21
Response Syntax .....	21
Response Elements .....	22
Errors .....	22
See Also .....	23
AssociateUserSettings .....	25
Request Syntax .....	25
URI Request Parameters .....	25
Request Body .....	25
Response Syntax .....	25
Response Elements .....	26
Errors .....	26
See Also .....	27
CreateBrowserSettings .....	29
Request Syntax .....	29
URI Request Parameters .....	29
Request Body .....	29
Response Syntax .....	31
Response Elements .....	31
Errors .....	31
See Also .....	32
CreteIdentityProvider .....	34
Request Syntax .....	34
URI Request Parameters .....	34
Request Body .....	34
Response Syntax .....	37
Response Elements .....	37
Errors .....	38
See Also .....	39
CreteIpAccessSettings .....	40
Request Syntax .....	40
URI Request Parameters .....	40
Request Body .....	40

Response Syntax .....	42
Response Elements .....	43
Errors .....	43
See Also .....	44
CreateNetworkSettings .....	45
Request Syntax .....	45
URI Request Parameters .....	45
Request Body .....	45
Response Syntax .....	47
Response Elements .....	47
Errors .....	47
See Also .....	48
CreatePortal .....	50
Request Syntax .....	50
URI Request Parameters .....	50
Request Body .....	50
Response Syntax .....	53
Response Elements .....	53
Errors .....	53
See Also .....	54
CreateTrustStore .....	56
Request Syntax .....	56
URI Request Parameters .....	56
Request Body .....	56
Response Syntax .....	57
Response Elements .....	57
Errors .....	58
See Also .....	59
CreateUserAccessLoggingSettings .....	60
Request Syntax .....	60
URI Request Parameters .....	60
Request Body .....	60
Response Syntax .....	61
Response Elements .....	61
Errors .....	62
See Also .....	63

CreateUserSettings .....	64
Request Syntax .....	64
URI Request Parameters .....	65
Request Body .....	65
Response Syntax .....	68
Response Elements .....	68
Errors .....	69
See Also .....	70
DeleteBrowserSettings .....	71
Request Syntax .....	71
URI Request Parameters .....	71
Request Body .....	71
Response Syntax .....	71
Response Elements .....	71
Errors .....	71
See Also .....	72
DeleteIdentityProvider .....	74
Request Syntax .....	74
URI Request Parameters .....	74
Request Body .....	74
Response Syntax .....	74
Response Elements .....	74
Errors .....	74
See Also .....	75
DeleteIpAccessSettings .....	77
Request Syntax .....	77
URI Request Parameters .....	77
Request Body .....	77
Response Syntax .....	77
Response Elements .....	77
Errors .....	77
See Also .....	78
DeleteNetworkSettings .....	80
Request Syntax .....	80
URI Request Parameters .....	80
Request Body .....	80

Response Syntax .....	80
Response Elements .....	80
Errors .....	80
See Also .....	81
DeletePortal .....	83
Request Syntax .....	83
URI Request Parameters .....	83
Request Body .....	83
Response Syntax .....	83
Response Elements .....	83
Errors .....	83
See Also .....	84
DeleteTrustStore .....	86
Request Syntax .....	86
URI Request Parameters .....	86
Request Body .....	86
Response Syntax .....	86
Response Elements .....	86
Errors .....	86
See Also .....	87
DeleteUserAccessLoggingSettings .....	89
Request Syntax .....	89
URI Request Parameters .....	89
Request Body .....	89
Response Syntax .....	89
Response Elements .....	89
Errors .....	89
See Also .....	90
DeleteUserSettings .....	92
Request Syntax .....	92
URI Request Parameters .....	92
Request Body .....	92
Response Syntax .....	92
Response Elements .....	92
Errors .....	92
See Also .....	93

DisassociateBrowserSettings .....	95
Request Syntax .....	95
URI Request Parameters .....	95
Request Body .....	95
Response Syntax .....	95
Response Elements .....	95
Errors .....	95
See Also .....	96
DisassociateIpaAccessSettings .....	98
Request Syntax .....	98
URI Request Parameters .....	98
Request Body .....	98
Response Syntax .....	98
Response Elements .....	98
Errors .....	98
See Also .....	99
DisassociateNetworkSettings .....	101
Request Syntax .....	101
URI Request Parameters .....	101
Request Body .....	101
Response Syntax .....	101
Response Elements .....	101
Errors .....	101
See Also .....	102
DisassociateTrustStore .....	104
Request Syntax .....	104
URI Request Parameters .....	104
Request Body .....	104
Response Syntax .....	104
Response Elements .....	104
Errors .....	104
See Also .....	105
DisassociateUserAccessLoggingSettings .....	107
Request Syntax .....	107
URI Request Parameters .....	107
Request Body .....	107



---

Response Syntax .....	107
Response Elements .....	107
Errors .....	107
See Also .....	108
<b>DisassociateUserSettings .....</b>	<b>110</b>
Request Syntax .....	110
URI Request Parameters .....	110
Request Body .....	110
Response Syntax .....	110
Response Elements .....	110
Errors .....	110
See Also .....	111
<b>GetBrowserSettings .....</b>	<b>113</b>
Request Syntax .....	113
URI Request Parameters .....	113
Request Body .....	113
Response Syntax .....	113
Response Elements .....	114
Errors .....	114
See Also .....	115
<b>GetIdentityProvider .....</b>	<b>116</b>
Request Syntax .....	116
URI Request Parameters .....	116
Request Body .....	116
Response Syntax .....	116
Response Elements .....	117
Errors .....	117
See Also .....	118
<b>GetIpAccessSettings .....</b>	<b>119</b>
Request Syntax .....	119
URI Request Parameters .....	119
Request Body .....	119
Response Syntax .....	119
Response Elements .....	120
Errors .....	120
See Also .....	121

GetNetworkSettings .....	122
Request Syntax .....	122
URI Request Parameters .....	122
Request Body .....	122
Response Syntax .....	122
Response Elements .....	123
Errors .....	123
See Also .....	124
GetPortal .....	125
Request Syntax .....	125
URI Request Parameters .....	125
Request Body .....	125
Response Syntax .....	125
Response Elements .....	126
Errors .....	126
See Also .....	127
GetPortalServiceProviderMetadata .....	128
Request Syntax .....	128
URI Request Parameters .....	128
Request Body .....	128
Response Syntax .....	128
Response Elements .....	128
Errors .....	129
See Also .....	130
GetTrustStore .....	131
Request Syntax .....	131
URI Request Parameters .....	131
Request Body .....	131
Response Syntax .....	131
Response Elements .....	132
Errors .....	132
See Also .....	133
GetTrustStoreCertificate .....	134
Request Syntax .....	134
URI Request Parameters .....	134
Request Body .....	134

Response Syntax .....	134
Response Elements .....	135
Errors .....	135
See Also .....	136
<b>GetUserAccessLoggingSettings .....</b>	<b>137</b>
Request Syntax .....	137
URI Request Parameters .....	137
Request Body .....	137
Response Syntax .....	137
Response Elements .....	138
Errors .....	138
See Also .....	139
<b>GetUserSettings .....</b>	<b>140</b>
Request Syntax .....	140
URI Request Parameters .....	140
Request Body .....	140
Response Syntax .....	140
Response Elements .....	141
Errors .....	141
See Also .....	142
<b>ListBrowserSettings .....</b>	<b>144</b>
Request Syntax .....	144
URI Request Parameters .....	144
Request Body .....	144
Response Syntax .....	144
Response Elements .....	145
Errors .....	145
See Also .....	146
<b>ListIdentityProviders .....</b>	<b>147</b>
Request Syntax .....	147
URI Request Parameters .....	147
Request Body .....	147
Response Syntax .....	148
Response Elements .....	148
Errors .....	148
See Also .....	149

ListIpAccessSettings .....	150
Request Syntax .....	150
URI Request Parameters .....	150
Request Body .....	150
Response Syntax .....	150
Response Elements .....	151
Errors .....	151
See Also .....	152
ListNetworkSettings .....	153
Request Syntax .....	153
URI Request Parameters .....	153
Request Body .....	153
Response Syntax .....	153
Response Elements .....	154
Errors .....	154
See Also .....	155
ListPortals .....	156
Request Syntax .....	156
URI Request Parameters .....	156
Request Body .....	156
Response Syntax .....	156
Response Elements .....	157
Errors .....	157
See Also .....	158
ListTagsForResource .....	159
Request Syntax .....	159
URI Request Parameters .....	159
Request Body .....	159
Response Syntax .....	159
Response Elements .....	160
Errors .....	160
See Also .....	161
ListTrustStoreCertificates .....	162
Request Syntax .....	162
URI Request Parameters .....	162
Request Body .....	162

Response Syntax .....	163
Response Elements .....	163
Errors .....	164
See Also .....	164
ListTrustStores .....	166
Request Syntax .....	166
URI Request Parameters .....	166
Request Body .....	166
Response Syntax .....	166
Response Elements .....	167
Errors .....	167
See Also .....	168
ListUserAccessLoggingSettings .....	169
Request Syntax .....	169
URI Request Parameters .....	169
Request Body .....	169
Response Syntax .....	169
Response Elements .....	170
Errors .....	170
See Also .....	171
ListUserSettings .....	172
Request Syntax .....	172
URI Request Parameters .....	172
Request Body .....	172
Response Syntax .....	172
Response Elements .....	173
Errors .....	174
See Also .....	174
TagResource .....	176
Request Syntax .....	176
URI Request Parameters .....	176
Request Body .....	176
Response Syntax .....	177
Response Elements .....	177
Errors .....	177
See Also .....	178

UntagResource .....	179
Request Syntax .....	179
URI Request Parameters .....	179
Request Body .....	179
Response Syntax .....	179
Response Elements .....	180
Errors .....	180
See Also .....	180
UpdateBrowserSettings .....	182
Request Syntax .....	182
URI Request Parameters .....	182
Request Body .....	182
Response Syntax .....	183
Response Elements .....	183
Errors .....	184
See Also .....	184
UpdateIdentityProvider .....	186
Request Syntax .....	186
URI Request Parameters .....	186
Request Body .....	186
Response Syntax .....	189
Response Elements .....	189
Errors .....	189
See Also .....	190
UpdateIpAccessSettings .....	191
Request Syntax .....	191
URI Request Parameters .....	191
Request Body .....	191
Response Syntax .....	193
Response Elements .....	193
Errors .....	193
See Also .....	194
UpdateNetworkSettings .....	196
Request Syntax .....	196
URI Request Parameters .....	196
Request Body .....	196

Response Syntax .....	198
Response Elements .....	198
Errors .....	198
See Also .....	199
UpdatePortal .....	200
Request Syntax .....	200
URI Request Parameters .....	200
Request Body .....	200
Response Syntax .....	202
Response Elements .....	202
Errors .....	203
See Also .....	204
UpdateTrustStore .....	205
Request Syntax .....	205
URI Request Parameters .....	205
Request Body .....	205
Response Syntax .....	206
Response Elements .....	206
Errors .....	207
See Also .....	208
UpdateUserAccessLoggingSettings .....	209
Request Syntax .....	209
URI Request Parameters .....	209
Request Body .....	209
Response Syntax .....	210
Response Elements .....	210
Errors .....	211
See Also .....	211
UpdateUserSettings .....	213
Request Syntax .....	213
URI Request Parameters .....	213
Request Body .....	214
Response Syntax .....	216
Response Elements .....	217
Errors .....	217
See Also .....	218

<b>Data Types</b> .....	<b>220</b>
BrowserSettings .....	222
Contents .....	222
See Also .....	223
BrowserSettingsSummary .....	224
Contents .....	224
See Also .....	224
Certificate .....	225
Contents .....	225
See Also .....	226
CertificateSummary .....	227
Contents .....	227
See Also .....	228
CookieSpecification .....	229
Contents .....	229
See Also .....	229
CookieSynchronizationConfiguration .....	231
Contents .....	231
See Also .....	231
IdentityProvider .....	232
Contents .....	232
See Also .....	234
IdentityProviderSummary .....	235
Contents .....	235
See Also .....	236
IpAccessSettings .....	237
Contents .....	237
See Also .....	239
IpAccessSettingsSummary .....	240
Contents .....	240
See Also .....	241
IpRule .....	242
Contents .....	242
See Also .....	242
NetworkSettings .....	243
Contents .....	243



See Also .....	244
NetworkSettingsSummary .....	245
Contents .....	245
See Also .....	245
Portal .....	246
Contents .....	246
See Also .....	251
PortalSummary .....	252
Contents .....	252
See Also .....	256
Tag .....	257
Contents .....	257
See Also .....	257
TrustStore .....	258
Contents .....	258
See Also .....	258
TrustStoreSummary .....	260
Contents .....	260
See Also .....	260
UserAccessLoggingSettings .....	261
Contents .....	261
See Also .....	262
UserAccessLoggingSettingsSummary .....	263
Contents .....	263
See Also .....	263
UserSettings .....	264
Contents .....	264
See Also .....	267
UserSettingsSummary .....	268
Contents .....	268
See Also .....	270
ValidationExceptionField .....	271
Contents .....	271
See Also .....	271
<b>Common Parameters .....</b>	<b>272</b>
<b>Common Errors .....</b>	<b>275</b>

# Welcome

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

This document was last published on July 2, 2024.

# Actions

The following actions are supported:

- [AssociateBrowserSettings](#)
- [AssociateIpAccessSettings](#)
- [AssociateNetworkSettings](#)
- [AssociateTrustStore](#)
- [AssociateUserAccessLoggingSettings](#)
- [AssociateUserSettings](#)
- [CreateBrowserSettings](#)
- [CreateIdentityProvider](#)
- [CreateIpAccessSettings](#)
- [CreateNetworkSettings](#)
- [CreatePortal](#)
- [CreateTrustStore](#)
- [CreateUserAccessLoggingSettings](#)
- [CreateUserSettings](#)
- [DeleteBrowserSettings](#)
- [DeleteIdentityProvider](#)
- [DeleteIpAccessSettings](#)
- [DeleteNetworkSettings](#)
- [DeletePortal](#)
- [DeleteTrustStore](#)
- [DeleteUserAccessLoggingSettings](#)
- [DeleteUserSettings](#)
- [DisassociateBrowserSettings](#)
- [DisassociateIpAccessSettings](#)
- [DisassociateNetworkSettings](#)
- [DisassociateTrustStore](#)
- [DisassociateUserAccessLoggingSettings](#)

- [DisassociateUserSettings](#)
- [GetBrowserSettings](#)
- [GetIdentityProvider](#)
- [GetIpAccessSettings](#)
- [GetNetworkSettings](#)
- [GetPortal](#)
- [GetPortalServiceProviderMetadata](#)
- [GetTrustStore](#)
- [GetTrustStoreCertificate](#)
- [GetUserAccessLoggingSettings](#)
- [GetUserSettings](#)
- [ListBrowserSettings](#)
- [ListIdentityProviders](#)
- [ListIpAccessSettings](#)
- [ListNetworkSettings](#)
- [ListPortals](#)
- [ListTagsForResource](#)
- [ListTrustStoreCertificates](#)
- [ListTrustStores](#)
- [ListUserAccessLoggingSettings](#)
- [ListUserSettings](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateBrowserSettings](#)
- [UpdateIdentityProvider](#)
- [UpdateIpAccessSettings](#)
- [UpdateNetworkSettings](#)
- [UpdatePortal](#)
- [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 Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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



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

# AssociateIpAccessSettings

Associates an IP access settings resource with a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [ipAccessSettingsArn](#)

The ARN of the IP access settings.

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

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

Required: Yes

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "ipAccessSettingsArn": "string",
  "portalArn": "string"
}
```

## Response Elements

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

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

### [ipAccessSettingsArn](#)

The ARN of the IP access settings resource.

Type: String

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

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

### [portalArn](#)

The ARN of the web portal.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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

# AssociateNetworkSettings

Associates a network settings resource with a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### networkSettingsArn

The ARN of the network settings.

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

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

Required: Yes

### portalArn

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "networkSettingsArn": "string",
  "portalArn": "string"
}
```

## Response Elements

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

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

### networkSettingsArn

The ARN of the network settings.

Type: String

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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



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

# AssociateTrustStore

Associates a trust store with a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

### trustStoreArn

The ARN of the trust store.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "portalArn": "string",
  "trustStoreArn": "string"
}
```

## Response Elements

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

### trustStoreArn

The ARN of the trust store.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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

# AssociateUserAccessLoggingSettings

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

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

### userAccessLoggingSettingsArn

The ARN of the user access logging settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "portalArn": "string",
  "userAccessLoggingSettingsArn": "string"
}
```

## Response Elements

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

### userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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



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

# AssociateUserSettings

Associates a user settings resource with a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

### userSettingsArn

The ARN of the user settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "portalArn": "string",
  "userSettingsArn": "string"
}
```

## Response Elements

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

### userSettingsArn

The ARN of the user settings.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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

# CreateBrowserSettings

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

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### additionalEncryptionContext

Additional encryption context of the browser settings.

Type: String to string map

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

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

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

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

Required: No

### browserPolicy

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

Type: String

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

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

Required: Yes

### clientToken

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

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

Type: String

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

Required: No

### customerManagedKey

The custom managed key of the browser settings.

Type: String

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

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

Required: No

## [tags](#)

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

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

{
  "browserSettingsArn": "string"
}
```

## Response Elements

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

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

### [browserSettingsArn](#)

The ARN of the browser settings.

Type: String

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

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

## Errors

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



## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

The service quota has been exceeded.

HTTP Status Code: 402

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

# 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 Errors](#).

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### ConflictException

There is a conflict.

HTTP Status Code: 409

### InternalServerErrorException

There is an internal server error.

HTTP Status Code: 500

### ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

### ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

### ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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



# CreateIpAccessSettings

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

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### additionalEncryptionContext

Additional encryption context of the IP access settings.

Type: String to string map

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

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

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

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

Required: No

### clientToken

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

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

Type: String

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

Required: No

### customerManagedKey

The custom managed key of the IP access settings.

Type: String

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

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

Required: No

### description

The description of the IP access settings.

Type: String

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

Pattern: `^\.+`

Required: No

### displayName

The display name of the IP access settings.

Type: String

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

Pattern: `^\.+`

Required: No

### ipRules

The IP rules of the IP access settings.

Type: Array of [IpRule](#) objects

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

Required: Yes

### tags

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

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

{
  "ipAccessSettingsArn": "string"
```

```
}
```

## Response Elements

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

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

### ipAccessSettingsArn

The ARN of the IP access settings resource.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

The service quota has been exceeded.

HTTP Status Code: 402

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

# CreateNetworkSettings

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

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### clientToken

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

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

Type: String

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

Required: No

### securityGroupIds

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

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

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

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

Required: Yes

### subnetIds

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

Type: Array of strings

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

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

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

Required: Yes

### tags

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

Type: Array of [Tag](#) objects

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

Required: No

## 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-fA-F0-9\-\-]{36})+$`

## Errors

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



## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

## **ServiceQuotaExceededException**

The service quota has been exceeded.

HTTP Status Code: 402

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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

# CreatePortal

Creates a web portal.

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### additionalEncryptionContext

The additional encryption context of the portal.

Type: String to string map

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

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

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

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

Required: No

### authenticationType

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

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

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

Type: String

Valid Values: `Standard` | `IAM_Identity_Center`

Required: No

### clientToken

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

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

Type: String

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

Required: No

### customerManagedKey

The customer managed key of the web portal.

Type: String

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

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

Required: No

### displayName

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

Type: String

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

Pattern: `^\|.\|`

Required: No

### instanceType

The type and resources of the underlying instance.

Type: String

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

Required: No

### maxConcurrentSessions

The maximum number of concurrent sessions for the portal.

Type: Integer

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

Required: No

### tags

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

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

{
  "portalArn": "string",
  "portalEndpoint": "string"
}
```

## Response Elements

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

### portalEndpoint

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

Type: String

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

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

The service quota has been exceeded.

HTTP Status Code: 402

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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



# CreateTrustStore

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

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### certificateList

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

Type: Array of Base64-encoded binary data objects

Required: Yes

## clientToken

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

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

Type: String

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

Required: No

## tags

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

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

{
  "trustStoreArn": "string"
}
```

## Response Elements

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

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

### trustStoreArn

The ARN of the trust store.

Type: String

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

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

## Errors

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

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### ConflictException

There is a conflict.

HTTP Status Code: 409

### InternalServerErrorException

There is an internal server error.

HTTP Status Code: 500

### ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

### ThrottlingException

There is a throttling error.

HTTP Status Code: 429

### ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# CreateUserAccessLoggingSettings

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

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### clientToken

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

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

Type: String

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

Required: No

## kinesisStreamArn

The ARN of the Kinesis stream.

Type: String

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

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

Required: Yes

## tags

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

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

{
  "userAccessLoggingSettingsArn": "string"
}
```

## Response Elements

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

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

## userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Type: String

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

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

## Errors

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

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### ConflictException

There is a conflict.

HTTP Status Code: 409

### InternalServerErrorException

There is an internal server error.

HTTP Status Code: 500

### ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

### ThrottlingException

There is a throttling error.

HTTP Status Code: 429

### ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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



# CreateUserSettings

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

## Request Syntax

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

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### additionalEncryptionContext

The additional encryption context of the user settings.

Type: String to string map

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

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

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

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

Required: No

### clientToken

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

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

Type: String

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

Required: No

### cookieSynchronizationConfiguration

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

Type: [CookieSynchronizationConfiguration](#) object

Required: No

### copyAllowed

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

Type: String

Valid Values: Disabled | Enabled

Required: Yes

### customerManagedKey

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

Type: String

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

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

Required: No

### deepLinkAllowed

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

Type: String

Valid Values: Disabled | Enabled

Required: No

### **disconnectTimeoutInMinutes**

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

Type: Integer

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

Required: No

### **downloadAllowed**

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

Type: String

Valid Values: Disabled | Enabled

Required: Yes

### **idleDisconnectTimeoutInMinutes**

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

Type: Integer

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

Required: No

### **pasteAllowed**

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

Type: String

Valid Values: Disabled | Enabled

Required: Yes

### **printAllowed**

Specifies whether the user can print to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: Yes

### tags

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

Type: Array of [Tag](#) objects

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

Required: No

### uploadAllowed

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

Type: String

Valid Values: Disabled | Enabled

Required: Yes

## Response Syntax

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

{
  "userSettingsArn": "string"
}
```

## Response Elements

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

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

### userSettingsArn

The ARN of the user settings.

Type: String

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

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

## Errors

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

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### ConflictException

There is a conflict.

HTTP Status Code: 409

### InternalServerError

There is an internal server error.

HTTP Status Code: 500

### ServiceQuotaExceededException

The service quota has been exceeded.

HTTP Status Code: 402

### ThrottlingException

There is a throttling error.

HTTP Status Code: 429

### ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# DeleteBrowserSettings

Deletes browser settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### browserSettingsArn

The ARN of the browser settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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



## AccessDeniedException

Access is denied.

HTTP Status Code: 403

## ConflictException

There is a conflict.

HTTP Status Code: 409

## InternalServerError

There is an internal server error.

HTTP Status Code: 500

## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

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

# DeleteIdentityProvider

Deletes the identity provider.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### identityProviderArn

The ARN of the identity provider.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## AccessDeniedException

Access is denied.

HTTP Status Code: 403

## ConflictException

There is a conflict.

HTTP Status Code: 409

## InternalServerErrorException

There is an internal server error.

HTTP Status Code: 500

## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

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

# 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 Errors](#).

## AccessDeniedException

Access is denied.

HTTP Status Code: 403

## ConflictException

There is a conflict.

HTTP Status Code: 409

## InternalServerError

There is an internal server error.

HTTP Status Code: 500

## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

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



# DeleteNetworkSettings

Deletes network settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### networkSettingsArn

The ARN of the network settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## AccessDeniedException

Access is denied.

HTTP Status Code: 403

## ConflictException

There is a conflict.

HTTP Status Code: 409

## InternalServerError

There is an internal server error.

HTTP Status Code: 500

## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

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

# DeletePortal

Deletes a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## AccessDeniedException

Access is denied.

HTTP Status Code: 403

## ConflictException

There is a conflict.

HTTP Status Code: 409

## InternalServerError

There is an internal server error.

HTTP Status Code: 500

## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

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

# DeleteTrustStore

Deletes the trust store.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### trustStoreArn

The ARN of the trust store.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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



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

# DeleteUserAccessLoggingSettings

Deletes user access logging settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [userAccessLoggingSettingsArn](#)

The ARN of the user access logging settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## AccessDeniedException

Access is denied.

HTTP Status Code: 403

## ConflictException

There is a conflict.

HTTP Status Code: 409

## InternalServerError

There is an internal server error.

HTTP Status Code: 500

## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

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

# DeleteUserSettings

Deletes user settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### userSettingsArn

The ARN of the user settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## AccessDeniedException

Access is denied.

HTTP Status Code: 403

## ConflictException

There is a conflict.

HTTP Status Code: 409

## InternalServerError

There is an internal server error.

HTTP Status Code: 500

## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

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

# DisassociateBrowserSettings

Disassociates browser settings from a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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



## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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

# DisassociateIpAccessSettings

Disassociates IP access settings from a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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

# DisassociateNetworkSettings

Disassociates network settings from a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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



# DisassociateTrustStore

Disassociates a trust store from a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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

# DisassociateUserAccessLoggingSettings

Disassociates user access logging settings from a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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

# DisassociateUserSettings

Disassociates user settings from a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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



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

# GetBrowserSettings

Gets browser settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [browserSettingsArn](#)

The ARN of the browser settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

```
    "customerManagedKey": "string"  
  }  
}
```

## Response Elements

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

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

### browserSettings

The browser settings.

Type: [BrowserSettings](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# GetIdentityProvider

Gets the identity provider.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### identityProviderArn

The ARN of the identity provider.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

```
    "identityProviderType": "string"  
  }  
}
```

## Response Elements

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

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

### identityProvider

The identity provider.

Type: [IdentityProvider](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# GetIpAccessSettings

Gets the IP access settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [ipAccessSettingsArn](#)

The ARN of the IP access settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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



```
"description": "string",
"displayname": "string",
"ipAccessSettingsArn": "string",
"ipRules": [
  {
    "description": "string",
    "ipRange": "string"
  }
]
```

## Response Elements

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

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

### [ipAccessSettings](#)

The IP access settings.

Type: [IpAccessSettings](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

# GetNetworkSettings

Gets the network settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### networkSettingsArn

The ARN of the network settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

```
}
```

## Response Elements

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

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

### networkSettings

The network settings.

Type: [NetworkSettings](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

## HTTP Status Code: 400

### See Also

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

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

# GetPortal

Gets the web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

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

## Response Elements

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

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

### [portal](#)

The web portal.

Type: [Portal](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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



# GetPortalServiceProviderMetadata

Gets the service provider metadata.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "portalArn": "string",
  "serviceProviderSamlMetadata": "string"
}
```

## Response Elements

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

### serviceProviderSamlMetadata

The service provider SAML metadata.

Type: String

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

Pattern: `^\.++$`

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# GetTrustStore

Gets the trust store.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### trustStoreArn

The ARN of the trust store.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "trustStore": {
    "associatedPortalArns": [ "string" ],
    "trustStoreArn": "string"
  }
}
```

## Response Elements

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

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

### trustStore

The trust store.

Type: [TrustStore](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# GetTrustStoreCertificate

Gets the trust store certificate.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### thumbprint

The thumbprint of the trust store certificate.

Length Constraints: Fixed length of 64.

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

Required: Yes

### trustStoreArn

The ARN of the trust store certificate.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

## Response Elements

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

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

### certificate

The certificate of the trust store certificate.

Type: [Certificate](#) object

### trustStoreArn

The ARN of the trust store certificate.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.



HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

# GetUserAccessLoggingSettings

Gets user access logging settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [userAccessLoggingSettingsArn](#)

The ARN of the user access logging settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "userAccessLoggingSettings": {
    "associatedPortalArns": [ "string" ],
    "kinesisStreamArn": "string",
    "userAccessLoggingSettingsArn": "string"
  }
}
```

## Response Elements

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

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

### [userAccessLoggingSettings](#)

The user access logging settings.

Type: [UserAccessLoggingSettings](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# GetUserSettings

Gets user settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### userSettingsArn

The ARN of the user settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

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

## Response Elements

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

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

### userSettings

The user settings.

Type: [UserSettings](#) object

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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



# ListBrowserSettings

Retrieves a list of browser settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

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

Valid Range: Minimum value of 1.

### nextToken

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

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

Pattern: `^\S+$`

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "browserSettings": [
    {
      "browserSettingsArn": "string"
    }
  ],
}
```

```
"nextToken": "string"  
}
```

## Response Elements

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

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

### browserSettings

The browser settings.

Type: Array of [BrowserSettingsSummary](#) objects

### nextToken

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

Type: String

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

Pattern:  $^\backslash S + \$$

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# 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:  $^{\backslash}S+{\$}$

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "identityProviders": [
    {
      "identityProviderArn": "string",
      "identityProviderName": "string",
      "identityProviderType": "string"
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### [identityProviders](#)

The identity providers.

Type: Array of [IdentityProviderSummary](#) objects

### [nextToken](#)

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

Type: String

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

Pattern: `^\S+$`

## Errors

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

## AccessDeniedException

Access is denied.

HTTP Status Code: 403

## InternalServerError

There is an internal server error.

HTTP Status Code: 500

## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# ListIpAccessSettings

Retrieves a list of IP access settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

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

Valid Range: Minimum value of 1.

### nextToken

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

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

Pattern:  $^\backslash S + \$$

## 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:  $^\backslash S + \$$

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500



## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# ListNetworkSettings

Retrieves a list of network settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

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

Valid Range: Minimum value of 1.

### nextToken

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

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

Pattern: `^\S+$`

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "networkSettings": [
    {
      "networkSettingsArn": "string",
      "vpcId": "string"
    }
  ]
}
```

```
],  
  "nextToken": "string"  
}
```

## Response Elements

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

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

### networkSettings

The network settings.

Type: Array of [NetworkSettingsSummary](#) objects

### nextToken

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

Type: String

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

Pattern: `^\S+$`

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# ListPortals

Retrieves a list 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,
"displayName": "string",
"instanceType": "string",
"ipAccessSettingsArn": "string",
"maxConcurrentSessions": number,
"networkSettingsArn": "string",
"portalArn": "string",
"portalEndpoint": "string",
"portalStatus": "string",
"rendererType": "string",
"trustStoreArn": "string",
"userAccessLoggingSettingsArn": "string",
"userSettingsArn": "string"
}
]
}
```

## Response Elements

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

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

### nextToken

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

Type: String

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

Pattern:  $^\backslash S + \$$

### portals

The portals in the list.

Type: Array of [PortalSummary](#) objects

## Errors

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

## AccessDeniedException

Access is denied.

HTTP Status Code: 403

## InternalServerError

There is an internal server error.

HTTP Status Code: 500

## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# ListTagsForResource

Retrieves a list of tags for a resource.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The ARN of the resource.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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



## Response Elements

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

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

### tags

The tags of the resource.

Type: Array of [Tag](#) objects

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

## HTTP Status Code: 400

### See Also

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

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

# ListTrustStoreCertificates

Retrieves a list of trust store certificates.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [maxResults](#)

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

Valid Range: Minimum value of 1.

### [nextToken](#)

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

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

Pattern:  $^\backslash S + \$$

### [trustStoreArn](#)

The ARN of the trust store

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

Pattern:  $^arn:[\backslash w += \backslash , . @ - ] + : [ a - z A - Z 0 - 9 \backslash - ] + : [ a - z A - Z 0 - 9 \backslash - ] * : [ a - z A - Z 0 - 9 ] \{ 1 , 1 2 \} : [ a - z A - Z ] + ( \backslash [ a - f A - F 0 - 9 \backslash - ] \{ 3 6 \} ) + \$$

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:  $^{\backslash}S+{\$}$

### trustStoreArn

The ARN of the trust store.

Type: String

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

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

## Errors

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

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### InternalServerError

There is an internal server error.

HTTP Status Code: 500

### ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

### ThrottlingException

There is a throttling error.

HTTP Status Code: 429

### ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# ListTrustStores

Retrieves a list of trust stores.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

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

Valid Range: Minimum value of 1.

### nextToken

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

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

Pattern: `^\S+$`

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "trustStores": [
    {
      "trustStoreArn": "string"
    }
  ]
}
```

```
]
}
```

## Response Elements

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

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

### [nextToken](#)

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

Type: String

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

Pattern: `^\S+$`

### [trustStores](#)

The trust stores.

Type: Array of [TrustStoreSummary](#) objects

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

### **ThrottlingException**

There is a throttling error.



HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# ListUserAccessLoggingSettings

Retrieves a list of user access logging settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

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

Valid Range: Minimum value of 1.

### nextToken

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

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

Pattern:  $^\backslash S + \$$

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "userAccessLoggingSettings": [
    {
      "kinesisStreamArn": "string",
      "userAccessLoggingSettingsArn": "string"
    }
  ]
}
```

```
    }  
  ]  
}
```

## Response Elements

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

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

### nextToken

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

Type: String

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

Pattern: `^\S+$`

### userAccessLoggingSettings

The user access logging settings.

Type: Array of [UserAccessLoggingSettingsSummary](#) objects

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# ListUserSettings

Retrieves a list of user settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [maxResults](#)

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

Valid Range: Minimum value of 1.

### [nextToken](#)

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

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

Pattern: `^\S+$`

## Request Body

The request does not have a request body.

## Response Syntax

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

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

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

## Response Elements

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

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

### nextToken

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

Type: String

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

Pattern:  $^\backslash S+^\$$

## [userSettings](#)

The user settings.

Type: Array of [UserSettingsSummary](#) objects

## Errors

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

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### InternalServerError

There is an internal server error.

HTTP Status Code: 500

### ThrottlingException

There is a throttling error.

HTTP Status Code: 429

### ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

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



# TagResource

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

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### [resourceArn](#)

The ARN of the resource.

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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### [clientToken](#)

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

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

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

Type: String

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

Required: No

### tags

The tags of the resource.

Type: Array of [Tag](#) objects

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

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **TooManyTagsException**

There are too many tags.

HTTP Status Code: 400

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

# UntagResource

Removes one or more tags from the specified resource.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The ARN of the resource.

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

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

Required: Yes

### tagKeys

The list of tag keys to remove from the resource.

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

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### InternalServerError

There is an internal server error.

HTTP Status Code: 500

### ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

### ThrottlingException

There is a throttling error.

HTTP Status Code: 429

### ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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

# UpdateBrowserSettings

Updates browser settings.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### browserSettingsArn

The ARN of the browser settings.

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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### browserPolicy

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

Type: String

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

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

Required: No

### clientToken

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

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

Type: String

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

Required: No

## Response Syntax

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

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

## Response Elements

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

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



## **browserSettings**

The browser settings.

Type: [BrowserSettings](#) object

## **Errors**

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

# UpdateIdentityProvider

Updates the identity provider.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### identityProviderArn

The ARN of the identity provider.

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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### clientToken

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

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

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

Type: String

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

Required: No

### identityProviderDetails

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

- For Google and Login with Amazon:

- `client_id`
- `client_secret`
- `authorize_scopes`

- For Facebook:

- `client_id`
- `client_secret`
- `authorize_scopes`
- `api_version`

- For Sign in with Apple:

- `client_id`
- `team_id`
- `key_id`
- `private_key`
- `authorize_scopes`

- For OIDC providers:

- `client_id`
- `client_secret`
- `attributes_request_method`
- `oidc_issuer`

- `authorize_scopes`
- `authorize_url` *if not available from discovery URL specified by `oidc_issuer` key*
- `token_url` *if not available from discovery URL specified by `oidc_issuer` key*
- `attributes_url` *if not available from discovery URL specified by `oidc_issuer` key*
- `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 Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

# UpdateIpAccessSettings

Updates IP access settings.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### ipAccessSettingsArn

The ARN of the IP access settings.

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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.



## clientToken

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

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

Type: String

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

Required: No

## description

The description of the IP access settings.

Type: String

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

Pattern: ^.+\$

Required: No

## displayName

The display name of the IP access settings.

Type: String

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

Pattern: ^.+\$

Required: No

## ipRules

The updated IP rules of the IP access settings.

Type: Array of [IpRule](#) objects

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

Required: No

## Response Syntax

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

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

## Response Elements

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

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

### [ipAccessSettings](#)

The IP access settings.

Type: [IpAccessSettings](#) object

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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

# UpdateNetworkSettings

Updates network settings.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### networkSettingsArn

The ARN of the network settings.

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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### clientToken

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

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

Type: String

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

Required: No

### securityGroupIds

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

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

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

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

Required: No

### subnetIds

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

Type: Array of strings

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

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

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

Required: No

### 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 Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## InternalServerErrorException

There is an internal server error.

HTTP Status Code: 500

## ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 404

## ThrottlingException

There is a throttling error.

HTTP Status Code: 429

## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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



# UpdatePortal

Updates a web portal.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### authenticationType

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

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

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

Type: String

Valid Values: `Standard` | `IAM_Identity_Center`

Required: No

### displayName

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

Type: String

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

Pattern: `^[.]+$`

Required: No

### instanceType

The type and resources of the underlying instance.

Type: String

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

Required: No

### maxConcurrentSessions

The maximum number of concurrent sessions for the portal.

Type: Integer

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

Required: No

## Response Syntax

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

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

## Response Elements

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

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

### portal

The web portal.

Type: [Portal](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The service quota has been exceeded.

HTTP Status Code: 402

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# UpdateTrustStore

Updates the trust store.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### trustStoreArn

The ARN of the trust store.

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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### certificatesToAdd

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

Type: Array of Base64-encoded binary data objects

Required: No

## certificatesToDelete

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

Type: Array of strings

Length Constraints: Fixed length of 64.

Pattern: `^[A-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 Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The service quota has been exceeded.

HTTP Status Code: 402

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429



## ValidationException

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

# UpdateUserAccessLoggingSettings

Updates the user access logging settings.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### userAccessLoggingSettingsArn

The ARN of the user access logging settings.

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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### clientToken

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

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

Type: String

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

Required: No

### [kinesisStreamArn](#)

The ARN of the Kinesis stream.

Type: String

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

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

Required: No

## Response Syntax

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

{
  "userAccessLoggingSettings": {
    "associatedPortalArns": [ "string" ],
    "kinesisStreamArn": "string",
    "userAccessLoggingSettingsArn": "string"
  }
}
```

## Response Elements

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

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

### [userAccessLoggingSettings](#)

The user access logging settings.

Type: [UserAccessLoggingSettings](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

HTTP Status Code: 400

## See Also

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

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

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

# UpdateUserSettings

Updates the user settings.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

## userSettingsArn

The ARN of the user settings.

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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### clientToken

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

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

Type: String

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

Required: No

### cookieSynchronizationConfiguration

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

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

Type: [CookieSynchronizationConfiguration](#) object

Required: No

### copyAllowed

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

Type: String

Valid Values: Disabled | Enabled

Required: No

### deepLinkAllowed

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

Type: String

Valid Values: Disabled | Enabled

Required: No

### disconnectTimeoutInMinutes

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

Type: Integer

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

Required: No

### downloadAllowed

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

Type: String

Valid Values: Disabled | Enabled

Required: No

### idleDisconnectTimeoutInMinutes

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

Type: Integer

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



Required: No

### pasteAllowed

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

Type: String

Valid Values: Disabled | Enabled

Required: No

### printAllowed

Specifies whether the user can print to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### uploadAllowed

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

Type: String

Valid Values: Disabled | Enabled

Required: No

## Response Syntax

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

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

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

## Response Elements

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

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

### userSettings

The user settings.

Type: [UserSettings](#) object

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **InternalServerError**

There is an internal server error.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

HTTP Status Code: 400

## **See Also**

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

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

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

# Data Types

The Amazon WorkSpaces Web API contains several data types that various actions use. This section describes each data type in detail.

## Note

The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

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

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

# BrowserSettings

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

## Contents

### **browserSettingsArn**

The ARN of the browser settings.

Type: String

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

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

Required: Yes

### **additionalEncryptionContext**

The additional encryption context of the browser settings.

Type: String to string map

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

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

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

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

Required: No

### **associatedPortalArns**

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

Type: Array of strings

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

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

Required: No

### **browserPolicy**

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

Type: String

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

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

Required: No

### **customerManagedKey**

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

Type: String

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

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

Required: No

## **See Also**

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

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



# BrowserSettingsSummary

The summary for browser settings.

## Contents

### browserSettingsArn

The ARN of the browser settings.

Type: String

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

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

Required: Yes

## See Also

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

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

# Certificate

The certificate.

## Contents

### **body**

The body of the certificate.

Type: Base64-encoded binary data object

Required: No

### **issuer**

The entity that issued the certificate.

Type: String

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

Pattern: `^\S+$`

Required: No

### **notValidAfter**

The certificate is not valid after this date.

Type: Timestamp

Required: No

### **notValidBefore**

The certificate is not valid before this date.

Type: Timestamp

Required: No

### **subject**

The entity the certificate belongs to.

Type: String

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

Pattern: `^\S+$`

Required: No

### **thumbprint**

A hexadecimal identifier for the certificate.

Type: String

Length Constraints: Fixed length of 64.

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

Required: No

## **See Also**

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

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

# CertificateSummary

The summary of the certificate.

## Contents

### issuer

The entity that issued the certificate.

Type: String

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

Pattern: `^\S+$`

Required: No

### notValidAfter

The certificate is not valid after this date.

Type: Timestamp

Required: No

### notValidBefore

The certificate is not valid before this date.

Type: Timestamp

Required: No

### subject

The entity the certificate belongs to.

Type: String

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

Pattern: `^\S+$`

Required: No

## thumbprint

A hexadecimal identifier for the certificate.

Type: String

Length Constraints: Fixed length of 64.

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

Required: No

## See Also

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

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

# CookieSpecification

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

## Contents

### domain

The domain of the cookie.

Type: String

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

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

Required: Yes

### name

The name of the cookie.

Type: String

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

Required: No

### path

The path of the cookie.

Type: String

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

Pattern: `^/(\\S)*$`

Required: No

## See Also

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

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

# CookieSynchronizationConfiguration

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

## Contents

### allowlist

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

Type: Array of [CookieSpecification](#) objects

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

Required: Yes

### blocklist

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

Type: Array of [CookieSpecification](#) objects

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

Required: No

## See Also

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

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



# IdentityProvider

The identity provider.

## Contents

### identityProviderArn

The ARN of the identity provider.

Type: String

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

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

Required: Yes

### identityProviderDetails

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

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

- `authorize_scopes`
- For OIDC providers:
  - `client_id`
  - `client_secret`
  - `attributes_request_method`
  - `oidc_issuer`
  - `authorize_scopes`
  - `authorize_url` *if not available from discovery URL specified by `oidc_issuer` key*
  - `token_url` *if not available from discovery URL specified by `oidc_issuer` key*
  - `attributes_url` *if not available from discovery URL specified by `oidc_issuer` key*
  - `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](#)

# IpAccessSettings

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

## Contents

### ipAccessSettingsArn

The ARN of the IP access settings resource.

Type: String

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

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

Required: Yes

### additionalEncryptionContext

The additional encryption context of the IP access settings.

Type: String to string map

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

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

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

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

Required: No

### associatedPortalArns

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

Type: Array of strings

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

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

Required: No

### **creationDate**

The creation date timestamp of the IP access settings.

Type: Timestamp

Required: No

### **customerManagedKey**

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

Type: String

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

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

Required: No

### **description**

The description of the IP access settings.

Type: String

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

Pattern: `^ .+$`

Required: No

### **displayName**

The display name of the IP access settings.

Type: String

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

Pattern: `^ .+$`

Required: No

## ipRules

The IP rules of the IP access settings.

Type: Array of [IpRule](#) objects

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

Required: No

## See Also

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

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



# IpAccessSettingsSummary

The summary of IP access settings.

## Contents

### ipAccessSettingsArn

The ARN of IP access settings.

Type: String

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

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

Required: Yes

### creationDate

The creation date timestamp of the IP access settings.

Type: Timestamp

Required: No

### description

The description of the IP access settings.

Type: String

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

Pattern: `^.+`

Required: No

### displayName

The display name of the IP access settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^.+`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# IpRule

The IP rules of the IP access settings.

## Contents

### ipRange

The IP range of the IP rule.

Type: String

Pattern: `^\d{1,3}\.\d{1,3}\.\d{1,3}\.\d{1,3}(?:/([0-9]|[12][0-9]|3[0-2]))?$`

Required: Yes

### description

The description of the IP rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `^.+`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# NetworkSettings

A network settings resource that can be associated with a web portal. Once associated with a web portal, network settings define how streaming instances will connect with your specified VPC.

## Contents

### **networkSettingsArn**

The ARN of the network settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-\-]{36})+$`

Required: Yes

### **associatedPortalArns**

A list of web portal ARNs that this network settings is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-\-]{36})+$`

Required: No

### **securityGroupIds**

One or more security groups used to control access from streaming instances to your VPC.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[\\w+\\-]+$`

Required: No

### **subnetIds**

The subnets in which network interfaces are created to connect streaming instances to your VPC. At least two of these subnets must be in different availability zones.

Type: Array of strings

Array Members: Minimum number of 2 items. Maximum number of 3 items.

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `^subnet-([0-9a-f]{8}|[0-9a-f]{17})$`

Required: No

### **vpcId**

The VPC that streaming instances will connect to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^vpc-[0-9a-z]*$`

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# NetworkSettingsSummary

The summary of network settings.

## Contents

### networkSettingsArn

The ARN of the network settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|,.\@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\_]{36})+$`

Required: Yes

### vpId

The VPC ID of the network settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^vpc-[0-9a-z]*$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Portal

The web portal.

## Contents

### portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+$`

Required: Yes

### additionalEncryptionContext

The additional encryption context of the portal.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `^[\\s\\S]*$`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `^[\\s\\S]*$`

Required: No

### authenticationType

The type of authentication integration points used when signing into the web portal. Defaults to Standard.

Standard web portals are authenticated directly through your identity provider. You need to call `CreateIdentityProvider` to integrate your identity provider with your web portal. User and group access to your web portal is controlled through your identity provider.

IAM Identity Center web portals are authenticated through AWS IAM Identity Center. Identity sources (including external identity provider integration), plus user and group access to your web portal, can be configured in the IAM Identity Center.

Type: String

Valid Values: Standard | IAM\_Identity\_Center

Required: No

### **browserSettingsArn**

The ARN of the browser settings that is associated with this web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\./,.-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-\-]{36})+$`

Required: No

### **browserType**

The browser that users see when using a streaming session.

Type: String

Valid Values: Chrome

Required: No

### **creationDate**

The creation date of the web portal.

Type: Timestamp

Required: No

### **customerManagedKey**

The customer managed key used to encrypt sensitive information in the portal.

Type: String



Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/, .@-]+:kms:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:key\[a-zA-Z0-9-\-]+\$`

Required: No

### **displayName**

The name of the web portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^\.+ \$`

Required: No

### **instanceType**

The type and resources of the underlying instance.

Type: String

Valid Values: `standard.regular | standard.large | standard.xlarge`

Required: No

### **ipAccessSettingsArn**

The ARN of the IP access settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\\[a-fA-F0-9\-\-]{36})+\$`

Required: No

### **maxConcurrentSessions**

The maximum number of concurrent sessions for the portal.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5000.

Required: No

### **networkSettingsArn**

The ARN of the network settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+$`

Required: No

### **portalEndpoint**

The endpoint URL of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 253.

Pattern: `^[a-zA-Z0-9]?((?!-)([A-Za-z0-9-]*[A-Za-z0-9])\.)+[a-zA-Z0-9]+$`

Required: No

### **portalStatus**

The status of the web portal.

Type: String

Valid Values: Incomplete | Pending | Active

Required: No

### **rendererType**

The renderer that is used in streaming sessions.

Type: String

Valid Values: AppStream

Required: No

### **statusReason**

A message that explains why the web portal is in its current status.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: .\*

Required: No

### **trustStoreArn**

The ARN of the trust store that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\\[a-fA-F0-9\-\-]{36})+$`

Required: No

### **userAccessLoggingSettingsArn**

The ARN of the user access logging settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\\[a-fA-F0-9\-\-]{36})+$`

Required: No

### **userSettingsArn**

The ARN of the user settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PortalSummary

The summary of the portal.

## Contents

### portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-\-]{36})+$`

Required: Yes

### authenticationType

The type of authentication integration points used when signing into the web portal. Defaults to Standard.

Standard web portals are authenticated directly through your identity provider. You need to call `CreateIdentityProvider` to integrate your identity provider with your web portal. User and group access to your web portal is controlled through your identity provider.

IAM Identity Center web portals are authenticated through AWS IAM Identity Center. Identity sources (including external identity provider integration), plus user and group access to your web portal, can be configured in the IAM Identity Center.

Type: String

Valid Values: `Standard` | `IAM_Identity_Center`

Required: No

### browserSettingsArn

The ARN of the browser settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-zA-Z0-9\-\-]{36})+$`

Required: No

### **browserType**

The browser type of the web portal.

Type: String

Valid Values: Chrome

Required: No

### **creationDate**

The creation date of the web portal.

Type: Timestamp

Required: No

### **displayName**

The name of the web portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^.+`

Required: No

### **instanceType**

The type and resources of the underlying instance.

Type: String

Valid Values: `standard.regular` | `standard.large` | `standard.xlarge`

Required: No

## **ipAccessSettingsArn**

The ARN of the IP access settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+$`

Required: No

## **maxConcurrentSessions**

The maximum number of concurrent sessions for the portal.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5000.

Required: No

## **networkSettingsArn**

The ARN of the network settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+$`

Required: No

## **portalEndpoint**

The endpoint URL of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 253.

Pattern: `^[a-zA-Z0-9]?((?!-)([A-Za-z0-9-]*[A-Za-z0-9])\.)+[a-zA-Z0-9]+$`

Required: No

### **portalStatus**

The status of the web portal.

Type: String

Valid Values: Incomplete | Pending | Active

Required: No

### **rendererType**

The renderer that is used in streaming sessions.

Type: String

Valid Values: AppStream

Required: No

### **trustStoreArn**

The ARN of the trust that is associated with this web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+$`

Required: No

### **userAccessLoggingSettingsArn**

The ARN of the user access logging settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+$`



Required: No

## **userSettingsArn**

The ARN of the user settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\ ]+:[a-zA-Z0-9\-\ ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\ ]{36})+$`

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Tag

The tag.

## Contents

### Key

The key of the tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern:  $^([\p{L}\p{Z}\p{N}_\cdot :/=+\-@]^*)\$$

Required: Yes

### Value

The value of the tag

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern:  $^([\p{L}\p{Z}\p{N}_\cdot :/=+\-@]^*)\$$

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# TrustStore

A trust store that can be associated with a web portal. A trust store contains certificate authority (CA) certificates. Once associated with a web portal, the browser in a streaming session will recognize certificates that have been issued using any of the CAs in the trust store. If your organization has internal websites that use certificates issued by private CAs, you should add the private CA certificate to the trust store.

## Contents

### trustStoreArn

The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\\[a-fA-F0-9\-\-]{36})+$`

Required: Yes

### associatedPortalArns

A list of web portal ARNs that this trust store is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\\[a-fA-F0-9\-\-]{36})+$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# TrustStoreSummary

The summary of the trust store.

## Contents

### trustStoreArn

The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+$`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# UserAccessLoggingSettings

A user access logging settings resource that can be associated with a web portal.

## Contents

### **userAccessLoggingSettingsArn**

The ARN of the user access logging settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-\-]{36})+$`

Required: Yes

### **associatedPortalArns**

A list of web portal ARNs that this user access logging settings is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\-\-]{36})+$`

Required: No

### **kinesisStreamArn**

The ARN of the Kinesis stream.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=/,.@-]+:kinesis:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:stream/.`  
+

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# UserAccessLoggingSettingsSummary

The summary of user access logging settings.

## Contents

### userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+$`

Required: Yes

### kinesisStreamArn

The ARN of the Kinesis stream.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=/, .@-]+:kinesis:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:stream/.+`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# UserSettings

A user settings resource that can be associated with a web portal. Once associated with a web portal, user settings control how users can transfer data between a streaming session and 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

### **cookieSynchronizationConfiguration**

The configuration that specifies which cookies should be synchronized from the end user's local browser to the remote browser.

Type: [CookieSynchronizationConfiguration](#) object

Required: No

### **copyAllowed**

Specifies whether the user can copy text from the streaming session to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **customerManagedKey**

The customer managed key used to encrypt sensitive information in the user settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\/, .@-]+:kms:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:key\|[a-zA-Z0-9\-\-]+$`

Required: No

### **deepLinkAllowed**

Specifies whether the user can use deep links that open automatically when connecting to a session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **disconnectTimeoutInMinutes**

The amount of time that a streaming session remains active after users disconnect.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 600.

Required: No

### **downloadAllowed**

Specifies whether the user can download files from the streaming session to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **idleDisconnectTimeoutInMinutes**

The amount of time that users can be idle (inactive) before they are disconnected from their streaming session and the disconnect timeout interval begins.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 60.

Required: No

### **pasteAllowed**

Specifies whether the user can paste text from the local device to the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **printAllowed**

Specifies whether the user can print to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **uploadAllowed**

Specifies whether the user can upload files from the local device to the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# UserSettingsSummary

The summary of user settings.

## Contents

### userSettingsArn

The ARN of the user settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+$`

Required: Yes

### cookieSynchronizationConfiguration

The configuration that specifies which cookies should be synchronized from the end user's local browser to the remote browser.

Type: [CookieSynchronizationConfiguration](#) object

Required: No

### copyAllowed

Specifies whether the user can copy text from the streaming session to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### deepLinkAllowed

Specifies whether the user can use deep links that open automatically when connecting to a session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **disconnectTimeoutInMinutes**

The amount of time that a streaming session remains active after users disconnect.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 600.

Required: No

### **downloadAllowed**

Specifies whether the user can download files from the streaming session to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **idleDisconnectTimeoutInMinutes**

The amount of time that users can be idle (inactive) before they are disconnected from their streaming session and the disconnect timeout interval begins.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 60.

Required: No

### **pasteAllowed**

Specifies whether the user can paste text from the local device to the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **printAllowed**

Specifies whether the user can print to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **uploadAllowed**

Specifies whether the user can upload files from the local device to the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ValidationExceptionField

Information about a field passed inside a request that resulted in an exception.

## Contents

### message

The message describing why the field failed validation.

Type: String

Required: Yes

### name

The name of the field that failed validation.

Type: String

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

## Action

The action to be performed.

Type: string

Required: Yes

## Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

## X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: *access\_key/YYYYMMDD/region/service/aws4\_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

### **X-Amz-Date**

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

### **X-Amz-Security-Token**

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

### **X-Amz-Signature**

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

### **X-Amz-SignedHeaders**

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

# Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## **ExpiredTokenException**

The security token included in the request is expired

HTTP Status Code: 403

## **IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 403

## **InternalFailure**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

## **MalformedHttpRequestException**

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

## **NotAuthorized**

You do not have permission to perform this action.

HTTP Status Code: 401

## **OptInRequired**

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

### **RequestAbortedException**

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

### **RequestEntityTooLargeException**

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

### **RequestExpired**

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

### **RequestTimeoutException**

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

### **ServiceUnavailable**

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **UnrecognizedClientException**

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

**UnknownOperationException**

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

**ValidationError**

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400