



API Reference

# Amazon WorkSpaces Secure Browser



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# Amazon WorkSpaces Secure Browser: API Reference

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# 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 .....	8
AssociateDataProtectionSettings .....	9
Request Syntax .....	9
URI Request Parameters .....	9
Request Body .....	9
Response Syntax .....	9
Response Elements .....	10
Errors .....	10
See Also .....	12
AssociateIpaAccessSettings .....	13
Request Syntax .....	13
URI Request Parameters .....	13
Request Body .....	13
Response Syntax .....	13
Response Elements .....	14
Errors .....	14
See Also .....	16
AssociateNetworkSettings .....	17
Request Syntax .....	17
URI Request Parameters .....	17
Request Body .....	17
Response Syntax .....	17
Response Elements .....	18
Errors .....	18
See Also .....	20

AssociateSessionLogger .....	21
Request Syntax .....	21
URI Request Parameters .....	21
Request Body .....	21
Response Syntax .....	21
Response Elements .....	22
Errors .....	22
See Also .....	24
AssociateTrustStore .....	25
Request Syntax .....	25
URI Request Parameters .....	25
Request Body .....	25
Response Syntax .....	25
Response Elements .....	26
Errors .....	26
See Also .....	28
AssociateUserAccessLoggingSettings .....	29
Request Syntax .....	29
URI Request Parameters .....	29
Request Body .....	29
Response Syntax .....	29
Response Elements .....	30
Errors .....	30
See Also .....	32
AssociateUserSettings .....	33
Request Syntax .....	33
URI Request Parameters .....	33
Request Body .....	33
Response Syntax .....	33
Response Elements .....	34
Errors .....	34
See Also .....	36
CreateBrowserSettings .....	37
Request Syntax .....	37
URI Request Parameters .....	37
Request Body .....	37

Response Syntax .....	39
Response Elements .....	39
Errors .....	40
See Also .....	42
CreateDataProtectionSettings .....	43
Request Syntax .....	43
URI Request Parameters .....	44
Request Body .....	44
Response Syntax .....	46
Response Elements .....	46
Errors .....	46
See Also .....	49
CreteIdentityProvider .....	50
Request Syntax .....	50
URI Request Parameters .....	50
Request Body .....	50
Response Syntax .....	53
Response Elements .....	53
Errors .....	54
See Also .....	56
CreteIpAccessSettings .....	57
Request Syntax .....	57
URI Request Parameters .....	57
Request Body .....	57
Response Syntax .....	59
Response Elements .....	60
Errors .....	60
See Also .....	62
CreateNetworkSettings .....	63
Request Syntax .....	63
URI Request Parameters .....	63
Request Body .....	63
Response Syntax .....	65
Response Elements .....	65
Errors .....	65
See Also .....	67

CreatePortal .....	69
Request Syntax .....	69
URI Request Parameters .....	69
Request Body .....	69
Response Syntax .....	72
Response Elements .....	72
Errors .....	73
See Also .....	75
CreateSessionLogger .....	76
Request Syntax .....	76
URI Request Parameters .....	76
Request Body .....	76
Response Syntax .....	78
Response Elements .....	79
Errors .....	79
Examples .....	81
See Also .....	83
CreateTrustStore .....	84
Request Syntax .....	84
URI Request Parameters .....	84
Request Body .....	84
Response Syntax .....	85
Response Elements .....	85
Errors .....	86
See Also .....	88
CreateUserAccessLoggingSettings .....	89
Request Syntax .....	89
URI Request Parameters .....	89
Request Body .....	89
Response Syntax .....	90
Response Elements .....	90
Errors .....	91
See Also .....	93
CreateUserSettings .....	94
Request Syntax .....	94
URI Request Parameters .....	95

Request Body .....	95
Response Syntax .....	99
Response Elements .....	100
Errors .....	100
See Also .....	102
DeleteBrowserSettings .....	104
Request Syntax .....	104
URI Request Parameters .....	104
Request Body .....	104
Response Syntax .....	104
Response Elements .....	104
Errors .....	104
See Also .....	106
DeleteDataProtectionSettings .....	107
Request Syntax .....	107
URI Request Parameters .....	107
Request Body .....	107
Response Syntax .....	107
Response Elements .....	107
Errors .....	107
See Also .....	109
DeleteIdentityProvider .....	110
Request Syntax .....	110
URI Request Parameters .....	110
Request Body .....	110
Response Syntax .....	110
Response Elements .....	110
Errors .....	110
See Also .....	112
DeleteIpAccessSettings .....	113
Request Syntax .....	113
URI Request Parameters .....	113
Request Body .....	113
Response Syntax .....	113
Response Elements .....	113
Errors .....	113

See Also .....	115
DeleteNetworkSettings .....	116
Request Syntax .....	116
URI Request Parameters .....	116
Request Body .....	116
Response Syntax .....	116
Response Elements .....	116
Errors .....	116
See Also .....	118
DeletePortal .....	119
Request Syntax .....	119
URI Request Parameters .....	119
Request Body .....	119
Response Syntax .....	119
Response Elements .....	119
Errors .....	119
See Also .....	121
DeleteSessionLogger .....	122
Request Syntax .....	122
URI Request Parameters .....	122
Request Body .....	122
Response Syntax .....	122
Response Elements .....	122
Errors .....	122
See Also .....	124
DeleteTrustStore .....	125
Request Syntax .....	125
URI Request Parameters .....	125
Request Body .....	125
Response Syntax .....	125
Response Elements .....	125
Errors .....	125
See Also .....	127
DeleteUserAccessLoggingSettings .....	128
Request Syntax .....	128
URI Request Parameters .....	128

---

Request Body .....	128
Response Syntax .....	128
Response Elements .....	128
Errors .....	128
See Also .....	130
DeleteUserSettings .....	131
Request Syntax .....	131
URI Request Parameters .....	131
Request Body .....	131
Response Syntax .....	131
Response Elements .....	131
Errors .....	131
See Also .....	133
DisassociateBrowserSettings .....	134
Request Syntax .....	134
URI Request Parameters .....	134
Request Body .....	134
Response Syntax .....	134
Response Elements .....	134
Errors .....	134
See Also .....	136
DisassociateDataProtectionSettings .....	137
Request Syntax .....	137
URI Request Parameters .....	137
Request Body .....	137
Response Syntax .....	137
Response Elements .....	137
Errors .....	137
See Also .....	139
DisassociateIpaAccessSettings .....	140
Request Syntax .....	140
URI Request Parameters .....	140
Request Body .....	140
Response Syntax .....	140
Response Elements .....	140
Errors .....	140

See Also .....	142
DisassociateNetworkSettings .....	143
Request Syntax .....	143
URI Request Parameters .....	143
Request Body .....	143
Response Syntax .....	143
Response Elements .....	143
Errors .....	143
See Also .....	145
DisassociateSessionLogger .....	146
Request Syntax .....	146
URI Request Parameters .....	146
Request Body .....	146
Response Syntax .....	146
Response Elements .....	146
Errors .....	146
See Also .....	148
DisassociateTrustStore .....	149
Request Syntax .....	149
URI Request Parameters .....	149
Request Body .....	149
Response Syntax .....	149
Response Elements .....	149
Errors .....	149
See Also .....	151
DisassociateUserAccessLoggingSettings .....	152
Request Syntax .....	152
URI Request Parameters .....	152
Request Body .....	152
Response Syntax .....	152
Response Elements .....	152
Errors .....	152
See Also .....	154
DisassociateUserSettings .....	155
Request Syntax .....	155
URI Request Parameters .....	155

---

Request Body .....	155
Response Syntax .....	155
Response Elements .....	155
Errors .....	155
See Also .....	157
ExpireSession .....	158
Request Syntax .....	158
URI Request Parameters .....	158
Request Body .....	158
Response Syntax .....	158
Response Elements .....	159
Errors .....	159
See Also .....	160
GetBrowserSettings .....	161
Request Syntax .....	161
URI Request Parameters .....	161
Request Body .....	161
Response Syntax .....	161
Response Elements .....	162
Errors .....	162
See Also .....	163
GetDataProtectionSettings .....	165
Request Syntax .....	165
URI Request Parameters .....	165
Request Body .....	165
Response Syntax .....	165
Response Elements .....	166
Errors .....	166
See Also .....	168
GetIdentityProvider .....	169
Request Syntax .....	169
URI Request Parameters .....	169
Request Body .....	169
Response Syntax .....	169
Response Elements .....	170
Errors .....	170

See Also .....	171
GetIpAccessSettings .....	173
Request Syntax .....	173
URI Request Parameters .....	173
Request Body .....	173
Response Syntax .....	173
Response Elements .....	174
Errors .....	174
See Also .....	176
GetNetworkSettings .....	177
Request Syntax .....	177
URI Request Parameters .....	177
Request Body .....	177
Response Syntax .....	177
Response Elements .....	178
Errors .....	178
See Also .....	179
GetPortal .....	181
Request Syntax .....	181
URI Request Parameters .....	181
Request Body .....	181
Response Syntax .....	181
Response Elements .....	182
Errors .....	182
See Also .....	184
GetPortalServiceProviderMetadata .....	185
Request Syntax .....	185
URI Request Parameters .....	185
Request Body .....	185
Response Syntax .....	185
Response Elements .....	185
Errors .....	186
See Also .....	187
GetSession .....	189
Request Syntax .....	189
URI Request Parameters .....	189

Request Body .....	189
Response Syntax .....	189
Response Elements .....	190
Errors .....	190
See Also .....	192
GetSessionLogger .....	193
Request Syntax .....	193
URI Request Parameters .....	193
Request Body .....	193
Response Syntax .....	193
Response Elements .....	194
Errors .....	194
See Also .....	196
GetTrustStore .....	197
Request Syntax .....	197
URI Request Parameters .....	197
Request Body .....	197
Response Syntax .....	197
Response Elements .....	198
Errors .....	198
See Also .....	199
GetTrustStoreCertificate .....	201
Request Syntax .....	201
URI Request Parameters .....	201
Request Body .....	201
Response Syntax .....	201
Response Elements .....	202
Errors .....	202
See Also .....	204
GetUserAccessLoggingSettings .....	205
Request Syntax .....	205
URI Request Parameters .....	205
Request Body .....	205
Response Syntax .....	205
Response Elements .....	206
Errors .....	206

---

See Also .....	207
GetUserSettings .....	209
Request Syntax .....	209
URI Request Parameters .....	209
Request Body .....	209
Response Syntax .....	209
Response Elements .....	211
Errors .....	211
See Also .....	213
ListBrowserSettings .....	214
Request Syntax .....	214
URI Request Parameters .....	214
Request Body .....	214
Response Syntax .....	214
Response Elements .....	215
Errors .....	215
See Also .....	216
ListDataProtectionSettings .....	218
Request Syntax .....	218
URI Request Parameters .....	218
Request Body .....	218
Response Syntax .....	218
Response Elements .....	219
Errors .....	219
See Also .....	220
ListIdentityProviders .....	222
Request Syntax .....	222
URI Request Parameters .....	222
Request Body .....	222
Response Syntax .....	223
Response Elements .....	223
Errors .....	223
See Also .....	225
ListIpAccessSettings .....	226
Request Syntax .....	226
URI Request Parameters .....	226

Request Body .....	226
Response Syntax .....	226
Response Elements .....	227
Errors .....	227
See Also .....	228
ListNetworkSettings .....	230
Request Syntax .....	230
URI Request Parameters .....	230
Request Body .....	230
Response Syntax .....	230
Response Elements .....	231
Errors .....	231
See Also .....	232
ListPortals .....	234
Request Syntax .....	234
URI Request Parameters .....	234
Request Body .....	234
Response Syntax .....	234
Response Elements .....	235
Errors .....	236
See Also .....	237
ListSessionLoggers .....	238
Request Syntax .....	238
URI Request Parameters .....	238
Request Body .....	238
Response Syntax .....	238
Response Elements .....	239
Errors .....	239
See Also .....	240
ListSessions .....	242
Request Syntax .....	242
URI Request Parameters .....	242
Request Body .....	243
Response Syntax .....	243
Response Elements .....	244
Errors .....	244

See Also .....	245
ListTagsForResource .....	247
Request Syntax .....	247
URI Request Parameters .....	247
Request Body .....	247
Response Syntax .....	247
Response Elements .....	248
Errors .....	248
See Also .....	249
ListTrustStoreCertificates .....	251
Request Syntax .....	251
URI Request Parameters .....	251
Request Body .....	251
Response Syntax .....	252
Response Elements .....	252
Errors .....	253
See Also .....	254
ListTrustStores .....	255
Request Syntax .....	255
URI Request Parameters .....	255
Request Body .....	255
Response Syntax .....	255
Response Elements .....	256
Errors .....	256
See Also .....	257
ListUserAccessLoggingSettings .....	259
Request Syntax .....	259
URI Request Parameters .....	259
Request Body .....	259
Response Syntax .....	259
Response Elements .....	260
Errors .....	260
See Also .....	261
ListUserSettings .....	263
Request Syntax .....	263
URI Request Parameters .....	263

---

Request Body .....	263
Response Syntax .....	263
Response Elements .....	265
Errors .....	266
See Also .....	267
TagResource .....	268
Request Syntax .....	268
URI Request Parameters .....	268
Request Body .....	268
Response Syntax .....	269
Response Elements .....	269
Errors .....	269
See Also .....	271
UntagResource .....	272
Request Syntax .....	272
URI Request Parameters .....	272
Request Body .....	272
Response Syntax .....	272
Response Elements .....	273
Errors .....	273
See Also .....	274
UpdateBrowserSettings .....	275
Request Syntax .....	275
URI Request Parameters .....	275
Request Body .....	275
Response Syntax .....	276
Response Elements .....	277
Errors .....	277
See Also .....	278
UpdateDataProtectionSettings .....	280
Request Syntax .....	280
URI Request Parameters .....	280
Request Body .....	281
Response Syntax .....	282
Response Elements .....	283
Errors .....	283

See Also .....	285
UpdateIdentityProvider .....	286
Request Syntax .....	286
URI Request Parameters .....	286
Request Body .....	286
Response Syntax .....	289
Response Elements .....	289
Errors .....	289
See Also .....	291
UpdateIpAccessSettings .....	292
Request Syntax .....	292
URI Request Parameters .....	292
Request Body .....	292
Response Syntax .....	294
Response Elements .....	294
Errors .....	294
See Also .....	296
UpdateNetworkSettings .....	297
Request Syntax .....	297
URI Request Parameters .....	297
Request Body .....	297
Response Syntax .....	299
Response Elements .....	299
Errors .....	299
See Also .....	301
UpdatePortal .....	302
Request Syntax .....	302
URI Request Parameters .....	302
Request Body .....	302
Response Syntax .....	304
Response Elements .....	305
Errors .....	305
See Also .....	307
UpdateSessionLogger .....	308
Request Syntax .....	308
URI Request Parameters .....	308

Request Body .....	308
Response Syntax .....	309
Response Elements .....	310
Errors .....	310
See Also .....	312
UpdateTrustStore .....	313
Request Syntax .....	313
URI Request Parameters .....	313
Request Body .....	313
Response Syntax .....	314
Response Elements .....	314
Errors .....	315
See Also .....	317
UpdateUserAccessLoggingSettings .....	318
Request Syntax .....	318
URI Request Parameters .....	318
Request Body .....	318
Response Syntax .....	319
Response Elements .....	319
Errors .....	320
See Also .....	321
UpdateUserSettings .....	322
Request Syntax .....	322
URI Request Parameters .....	323
Request Body .....	323
Response Syntax .....	327
Response Elements .....	328
Errors .....	329
See Also .....	330
<b>Data Types .....</b>	<b>331</b>
BrandingConfiguration .....	333
Contents .....	333
See Also .....	334
BrandingConfigurationCreateInput .....	335
Contents .....	335
See Also .....	336

BrandingConfigurationUpdateInput .....	337
Contents .....	337
See Also .....	338
BrowserSettings .....	339
Contents .....	339
See Also .....	340
BrowserSettingsSummary .....	342
Contents .....	342
See Also .....	342
Certificate .....	343
Contents .....	343
See Also .....	344
CertificateSummary .....	345
Contents .....	345
See Also .....	346
CookieSpecification .....	347
Contents .....	347
See Also .....	347
CookieSynchronizationConfiguration .....	349
Contents .....	349
See Also .....	349
CustomPattern .....	350
Contents .....	350
See Also .....	351
DataProtectionSettings .....	352
Contents .....	352
See Also .....	354
DataProtectionSettingsSummary .....	355
Contents .....	355
See Also .....	356
EventFilter .....	357
Contents .....	357
See Also .....	358
IconImageInput .....	359
Contents .....	359
See Also .....	359

IdentityProvider .....	361
Contents .....	361
See Also .....	363
IdentityProviderSummary .....	364
Contents .....	364
See Also .....	365
ImageMetadata .....	366
Contents .....	366
See Also .....	366
InlineRedactionConfiguration .....	368
Contents .....	368
See Also .....	369
InlineRedactionPattern .....	370
Contents .....	370
See Also .....	371
IpAccessSettings .....	373
Contents .....	373
See Also .....	375
IpAccessSettingsSummary .....	376
Contents .....	376
See Also .....	377
IpRule .....	378
Contents .....	378
See Also .....	378
LocalizedBrandingStrings .....	379
Contents .....	379
See Also .....	381
LogConfiguration .....	382
Contents .....	382
See Also .....	382
NetworkSettings .....	383
Contents .....	383
See Also .....	384
NetworkSettingsSummary .....	385
Contents .....	385
See Also .....	385

Portal .....	386
Contents .....	386
See Also .....	392
PortalSummary .....	393
Contents .....	393
See Also .....	398
RedactionPlaceholder .....	399
Contents .....	399
See Also .....	399
S3LogConfiguration .....	400
Contents .....	400
See Also .....	401
Session .....	402
Contents .....	402
See Also .....	404
SessionLogger .....	405
Contents .....	405
See Also .....	407
SessionLoggerSummary .....	408
Contents .....	408
See Also .....	409
SessionSummary .....	410
Contents .....	410
See Also .....	411
Tag .....	412
Contents .....	412
See Also .....	412
ToolbarConfiguration .....	413
Contents .....	413
See Also .....	414
TrustStore .....	415
Contents .....	415
See Also .....	415
TrustStoreSummary .....	417
Contents .....	417
See Also .....	417

---

UserAccessLoggingSettings .....	418
Contents .....	418
See Also .....	419
UserAccessLoggingSettingsSummary .....	420
Contents .....	420
See Also .....	420
UserSettings .....	421
Contents .....	421
See Also .....	425
UserSettingsSummary .....	426
Contents .....	426
See Also .....	429
ValidationExceptionField .....	430
Contents .....	430
See Also .....	430
WallpaperImageInput .....	431
Contents .....	431
See Also .....	431
WebContentFilteringPolicy .....	433
Contents .....	433
See Also .....	434
<b>Common Parameters .....</b>	<b>435</b>
<b>Common Errors .....</b>	<b>438</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 February 20, 2026.

# Actions

The following actions are supported:

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

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

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

# AssociateBrowserSettings

Associates a browser settings resource with a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### browserSettingsArn

The ARN of the browser settings.

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

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

Required: Yes

### portalArn

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

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

## Response Elements

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

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

### [browserSettingsArn](#)

The ARN of the browser settings.

Type: String

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

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

### [portalArn](#)

The ARN of the web portal.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# AssociateDataProtectionSettings

Associates a data protection settings resource with a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### dataProtectionSettingsArn

The ARN of the data protection settings.

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

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

Required: Yes

### portalArn

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

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

## Response Elements

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

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

### dataProtectionSettingsArn

The ARN of the data protection settings resource.

Type: String

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# AssociateIpAccessSettings

Associates an IP access settings resource with a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [ipAccessSettingsArn](#)

The ARN of the IP access settings.

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

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

Required: Yes

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

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

## Response Elements

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

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

### [ipAccessSettingsArn](#)

The ARN of the IP access settings resource.

Type: String

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

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

### [portalArn](#)

The ARN of the web portal.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# AssociateNetworkSettings

Associates a network settings resource with a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### networkSettingsArn

The ARN of the network settings.

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

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

Required: Yes

### portalArn

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

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

## Response Elements

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

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

### networkSettingsArn

The ARN of the network settings.

Type: String

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# AssociateSessionLogger

Associates a session logger with a portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

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

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

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

Required: Yes

### sessionLoggerArn

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

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

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

## Response Elements

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

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

### portalArn

The ARN of the portal.

Type: String

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

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

### sessionLoggerArn

The ARN of the session logger.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# AssociateTrustStore

Associates a trust store with a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

### trustStoreArn

The ARN of the trust store.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

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

## Response Elements

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

### trustStoreArn

The ARN of the trust store.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# AssociateUserAccessLoggingSettings

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

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

### userAccessLoggingSettingsArn

The ARN of the user access logging settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

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

## Response Elements

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

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

### [portalArn](#)

The ARN of the web portal.

Type: String

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

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

### [userAccessLoggingSettingsArn](#)

The ARN of the user access logging settings.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# AssociateUserSettings

Associates a user settings resource with a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

### userSettingsArn

The ARN of the user settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

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

## Response Elements

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

### userSettingsArn

The ARN of the user settings.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# CreateBrowserSettings

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

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### additionalEncryptionContext

Additional encryption context of the browser settings.

Type: String to string map

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

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

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

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

Required: No

### browserPolicy

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

Type: String

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

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

Required: No

### clientToken

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

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

Type: String

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

Required: No

### customerManagedKey

The custom managed key of the browser settings.

Type: String

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

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

Required: No

### tags

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

Type: Array of [Tag](#) objects

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

Required: No

### webContentFilteringPolicy

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

Type: [WebContentFilteringPolicy](#) object

Required: No

## Response Syntax

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

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

## Response Elements

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

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

## browserSettingsArn

The ARN of the browser settings.

Type: String

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

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

## Errors

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

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### ConflictException

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### InternalServerError

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

## ResourceNotFoundException

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## ServiceQuotaExceededException

The service quota has been exceeded.

### **quotaCode**

The originating quota.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

### **serviceCode**

The originating service.

HTTP Status Code: 402

## ThrottlingException

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## ValidationException

There is a validation error.

### fieldList

The field that caused the error.

### reason

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

# CreateDataProtectionSettings

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

## Request Syntax

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

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

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

```
    "Value": "string"  
  }  
]  
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### additionalEncryptionContext

Additional encryption context of the data protection settings.

Type: String to string map

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

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

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

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

Required: No

### clientToken

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

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

Type: String

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

Required: No

## customerManagedKey

The custom managed key of the data protection settings.

Type: String

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

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

Required: No

## description

The description of the data protection settings.

Type: String

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

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

Required: No

## displayName

The display name of the data protection settings.

Type: String

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

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

Required: No

## inlineRedactionConfiguration

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

Type: [InlineRedactionConfiguration](#) object

Required: No

## tags

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

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

{
  "dataProtectionSettingsArn": "string"
}
```

## Response Elements

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

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

### [dataProtectionSettingsArn](#)

The ARN of the data protection settings resource.

Type: String

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

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

The service quota has been exceeded.

**quotaCode**

The originating quota.

**resourceId**

Identifier of the resource affected.

**resourceType**

Type of the resource affected.

**serviceCode**

The originating service.

HTTP Status Code: 402

**ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

# CreateIdentityProvider

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

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### clientToken

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

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

Type: String

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

Required: No

### identityProviderDetails

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

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

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

Type: String to string map

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

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

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

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

Required: Yes

### [identityProviderName](#)

The identity provider name.

Type: String

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

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

Required: Yes

### [identityProviderType](#)

The identity provider type.

Type: String

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

Required: Yes

## portalArn

The ARN of the web portal.

Type: String

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

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

Required: Yes

## tags

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

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

{
  "identityProviderArn": "string"
}
```

## Response Elements

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

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

### identityProviderArn

The ARN of the identity provider.

Type: String

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

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

## Errors

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

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### ConflictException

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### InternalServerError

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### ResourceNotFoundException

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

**resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

**ServiceQuotaExceededException**

The service quota has been exceeded.

**quotaCode**

The originating quota.

**resourceId**

Identifier of the resource affected.

**resourceType**

Type of the resource affected.

**serviceCode**

The originating service.

HTTP Status Code: 402

**ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# CreateIpAccessSettings

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

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### additionalEncryptionContext

Additional encryption context of the IP access settings.

Type: String to string map

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

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

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

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

Required: No

### clientToken

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

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

Type: String

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

Required: No

### customerManagedKey

The custom managed key of the IP access settings.

Type: String

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

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

Required: No

### description

The description of the IP access settings.

Type: String

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

Pattern: . +

Required: No

### displayName

The display name of the IP access settings.

Type: String

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

Pattern: . +

Required: No

### ipRules

The IP rules of the IP access settings.

Type: Array of [IpRule](#) objects

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

Required: Yes

### tags

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

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

{
```

```
"ipAccessSettingsArn": "string"  
}
```

## Response Elements

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

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

### ipAccessSettingsArn

The ARN of the IP access settings resource.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## InternalServerErrorException

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## ServiceQuotaExceededException

The service quota has been exceeded.

### **quotaCode**

The originating quota.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

### **serviceCode**

The originating service.

HTTP Status Code: 402

## ThrottlingException

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## ValidationException

There is a validation error.

### **fieldList**

The field that caused the error.

### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

# CreateNetworkSettings

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

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### clientToken

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

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

Type: String

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

Required: No

### securityGroupIds

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

Type: Array of strings

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

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

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

Required: Yes

### subnetIds

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

Type: Array of strings

Array Members: Minimum number of 2 items. Maximum number of 5 items.

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

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

Required: Yes

### tags

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

Type: Array of [Tag](#) objects

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

Required: No

## vpclId

The VPC that streaming instances will connect to.

Type: String

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

Pattern: vpc-[0-9a-z]\*

Required: Yes

## Response Syntax

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

{
  "networkSettingsArn": "string"
}
```

## Response Elements

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

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

### networkSettingsArn

The ARN of the network settings.

Type: String

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

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ServiceQuotaExceededException**

The service quota has been exceeded.

### **quotaCode**

The originating quota.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

### **serviceCode**

The originating service.

HTTP Status Code: 402

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## **See Also**

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

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

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

# CreatePortal

Creates a web portal.

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### additionalEncryptionContext

The additional encryption context of the portal.

Type: String to string map

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

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

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

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

Required: No

### authenticationType

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

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

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

Type: String

Valid Values: `Standard` | `IAM_Identity_Center`

Required: No

### clientToken

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

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

Type: String

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

Required: No

## customerManagedKey

The customer managed key of the web portal.

Type: String

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

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

Required: No

## displayName

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

Type: String

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

Pattern: `.+`

Required: No

## instanceType

The type and resources of the underlying instance.

Type: String

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

Required: No

## maxConcurrentSessions

The maximum number of concurrent sessions for the portal.

Type: Integer

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

Required: No

## portalCustomDomain

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

Type: String

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

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

Required: No

## tags

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

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

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

## Response Elements

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

### portalEndpoint

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

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The service quota has been exceeded.

#### **quotaCode**

The originating quota.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

#### **serviceCode**

The originating service.

HTTP Status Code: 402

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# CreateSessionLogger

Creates a session logger.

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

## additionalEncryptionContext

The additional encryption context of the session logger.

Type: String to string map

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

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

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

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

Required: No

## clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token returns the result from the original successful request. If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

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

Required: No

## customerManagedKey

The custom managed key of the session logger.

Type: String

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

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

Required: No

## displayName

The human-readable display name for the session logger resource.

Type: String

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

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

Required: No

### eventFilter

The filter that specifies the events to monitor.

Type: [EventFilter](#) object

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

Required: Yes

### logConfiguration

The configuration that specifies where logs are delivered.

Type: [LogConfiguration](#) object

Required: Yes

### tags

The tags to add to the session logger.

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

{
  "sessionLoggerArn": "string"
}
```

## Response Elements

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

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

### sessionLoggerArn

The ARN of the session logger.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### **InternalServerErrorException**

There is an internal server error.

**retryAfterSeconds**

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

HTTP Status Code: 500

**ServiceQuotaExceededException**

The service quota has been exceeded.

**quotaCode**

The originating quota.

**resourceId**

Identifier of the resource affected.

**resourceType**

Type of the resource affected.

**serviceCode**

The originating service.

HTTP Status Code: 402

**ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

## fieldList

The field that caused the error.

## reason

Reason the request failed validation

HTTP Status Code: 400

## Examples

### Sample request for all events

The following is a sample requests to capture all events.

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

### Sample request for a few events

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

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

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

## Sample request to use a bucket in a different account

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

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

## Sample Response

The following is a sample response.

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

```
}
```

## See Also

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

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

# CreateTrustStore

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

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### certificateList

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

Type: Array of Base64-encoded binary data objects

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

Required: Yes

## clientToken

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

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

Type: String

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

Required: No

## tags

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

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

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

## Response Elements

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

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

### trustStoreArn

The ARN of the trust store.

Type: String

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

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

## Errors

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

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### ConflictException

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### InternalServerError

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### ServiceQuotaExceededException

The service quota has been exceeded.

**quotaCode**

The originating quota.

**resourceId**

Identifier of the resource affected.

**resourceType**

Type of the resource affected.

**serviceCode**

The originating service.

HTTP Status Code: 402

**ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

# CreateUserAccessLoggingSettings

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

## Request Syntax

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

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

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### clientToken

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

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

Type: String

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

Required: No

## kinesisStreamArn

The ARN of the Kinesis stream.

Type: String

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

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

Required: Yes

## tags

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

Type: Array of [Tag](#) objects

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

Required: No

## Response Syntax

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

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

## Response Elements

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

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

## userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Type: String

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

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

## Errors

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

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### ConflictException

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### InternalServerError

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### ServiceQuotaExceededException

The service quota has been exceeded.

**quotaCode**

The originating quota.

**resourceId**

Identifier of the resource affected.

**resourceType**

Type of the resource affected.

**serviceCode**

The originating service.

HTTP Status Code: 402

**ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

# CreateUserSettings

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

## Request Syntax

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

{
  "additionalEncryptionContext": {
    "string" : "string"
  },
  "brandingConfigurationInput": {
    "colorTheme": "string",
    "favicon": { ... },
    "localizedStrings": {
      "string" : {
        "browserTabTitle": "string",
        "contactButtonText": "string",
        "contactLink": "string",
        "loadingText": "string",
        "loginButtonText": "string",
        "loginDescription": "string",
        "loginTitle": "string",
        "welcomeText": "string"
      }
    },
    "logo": { ... },
    "termsOfService": "string",
    "wallpaper": { ... }
  },
  "clientToken": "string",
  "cookieSynchronizationConfiguration": {
    "allowlist": [
      {
        "domain": "string",
        "name": "string",
        "path": "string"
      }
    ]
  }
}
```

```
    ],
    "blocklist": [
      {
        "domain": "string",
        "name": "string",
        "path": "string"
      }
    ]
  },
  "copyAllowed": "string",
  "customerManagedKey": "string",
  "deepLinkAllowed": "string",
  "disconnectTimeoutInMinutes": number,
  "downloadAllowed": "string",
  "idleDisconnectTimeoutInMinutes": number,
  "pasteAllowed": "string",
  "printAllowed": "string",
  "tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ],
  "toolbarConfiguration": {
    "hiddenToolbarItems": [ "string" ],
    "maxDisplayResolution": "string",
    "toolbarType": "string",
    "visualMode": "string"
  },
  "uploadAllowed": "string",
  "webAuthnAllowed": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

## additionalEncryptionContext

The additional encryption context of the user settings.

Type: String to string map

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

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

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

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

Required: No

## brandingConfigurationInput

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

Type: [BrandingConfigurationCreateInput](#) object

Required: No

## clientToken

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

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

Type: String

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

Required: No

## cookieSynchronizationConfiguration

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

Type: [CookieSynchronizationConfiguration](#) object

Required: No

### [copyAllowed](#)

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

Type: String

Valid Values: Disabled | Enabled

Required: Yes

### [customerManagedKey](#)

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

Type: String

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

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

Required: No

### [deepLinkAllowed](#)

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

Type: String

Valid Values: Disabled | Enabled

Required: No

### [disconnectTimeoutInMinutes](#)

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

Type: Integer

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

Required: No

### downloadAllowed

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

Type: String

Valid Values: Disabled | Enabled

Required: Yes

### idleDisconnectTimeoutInMinutes

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

Type: Integer

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

Required: No

### pasteAllowed

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

Type: String

Valid Values: Disabled | Enabled

Required: Yes

### printAllowed

Specifies whether the user can print to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: Yes

### tags

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

Type: Array of [Tag](#) objects

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

Required: No

### [toolbarConfiguration](#)

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

Type: [ToolbarConfiguration](#) object

Required: No

### [uploadAllowed](#)

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

Type: String

Valid Values: Disabled | Enabled

Required: Yes

### [webAuthnAllowed](#)

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

Type: String

Valid Values: Disabled | Enabled

Required: No

## Response Syntax

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

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

## Response Elements

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

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

### userSettingsArn

The ARN of the user settings.

Type: String

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

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

The service quota has been exceeded.

### **quotaCode**

The originating quota.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

### **serviceCode**

The originating service.

HTTP Status Code: 402

## **ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

- [AWS SDK for Ruby V3](#)

# DeleteBrowserSettings

Deletes browser settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### browserSettingsArn

The ARN of the browser settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# DeleteDataProtectionSettings

Deletes data protection settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### dataProtectionSettingsArn

The ARN of the data protection settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# 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.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# 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.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# 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.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# DeleteSessionLogger

Deletes a session logger resource.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### sessionLoggerArn

The ARN of the session logger.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# 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.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# DeleteUserAccessLoggingSettings

Deletes user access logging settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [userAccessLoggingSettingsArn](#)

The ARN of the user access logging settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# DeleteUserSettings

Deletes user settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### userSettingsArn

The ARN of the user settings.

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

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

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# DisassociateBrowserSettings

Disassociates browser settings from a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# DisassociateDataProtectionSettings

Disassociates data protection settings from a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# 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.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# DisassociateSessionLogger

Disassociates a session logger from a portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

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

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# DisassociateTrustStore

Disassociates a trust store from a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **ConflictException**

There is a conflict.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerErrorException**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# DisassociateUserAccessLoggingSettings

Disassociates user access logging settings from a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [portalArn](#)

The ARN of the web portal.

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

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

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# DisassociateUserSettings

Disassociates user settings from a web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [portalArn](#)

The ARN of the web portal.

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

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

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# ExpireSession

Expires an active secure browser session.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalId

The ID of the web portal for the session.

Length Constraints: Fixed length of 36.

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

Required: Yes

### sessionId

The ID of the session to expire.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# GetBrowserSettings

Gets browser settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [browserSettingsArn](#)

The ARN of the browser settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

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

## Response Elements

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

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

### browserSettings

The browser settings.

Type: [BrowserSettings](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

**resourceId**

Hypothetical identifier of the resource affected.

**resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

**ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

- [AWS Command Line Interface V2](#)

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

# GetDataProtectionSettings

Gets the data protection settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### dataProtectionSettingsArn

The ARN of the data protection settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

```

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

```

## Response Elements

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

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

### [dataProtectionSettings](#)

The data protection settings.

Type: [DataProtectionSettings](#) object

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# GetIdentityProvider

Gets the identity provider.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### identityProviderArn

The ARN of the identity provider.

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

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

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## **See Also**

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

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

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

# GetIpAccessSettings

Gets the IP access settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [ipAccessSettingsArn](#)

The ARN of the IP access settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

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

## Response Elements

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

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

### [ipAccessSettings](#)

The IP access settings.

Type: [IpAccessSettings](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

# GetNetworkSettings

Gets the network settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### networkSettingsArn

The ARN of the network settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

```
}
```

## Response Elements

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

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

### networkSettings

The network settings.

Type: [NetworkSettings](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## **See Also**

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

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

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

# GetPortal

Gets the web portal.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

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

## Response Elements

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

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

### [portal](#)

The web portal.

Type: [Portal](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **InternalServerErrorException**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

### **fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# GetPortalServiceProviderMetadata

Gets the service provider metadata.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

## Response Elements

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

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

### portalArn

The ARN of the web portal.

Type: String

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

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

### serviceProviderSamlMetadata

The service provider SAML metadata.

Type: String

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

Pattern: `.+`

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

**resourceId**

Hypothetical identifier of the resource affected.

**resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

**ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

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

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

- [AWS Command Line Interface V2](#)

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

# GetSession

Gets information for a secure browser session.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### portalId

The ID of the web portal for the session.

Length Constraints: Fixed length of 36.

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

Required: Yes

### sessionId

The ID of the session.

Length Constraints: Fixed length of 36.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

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

## Response Elements

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

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

### session

The sessions in a list.

Type: [Session](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

# GetSessionLogger

Gets details about a specific session logger resource.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### sessionLoggerArn

The ARN of the session logger.

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

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

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

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

## Response Elements

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

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

### sessionLogger

The session logger details.

Type: [SessionLogger](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

# GetTrustStore

Gets the trust store.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### trustStoreArn

The ARN of the trust store.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

## Response Elements

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

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

### trustStore

The trust store.

Type: [TrustStore](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## ThrottlingException

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## ValidationException

There is a validation error.

### **fieldList**

The field that caused the error.

### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

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

# GetTrustStoreCertificate

Gets the trust store certificate.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### thumbprint

The thumbprint of the trust store certificate.

Length Constraints: Fixed length of 64.

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

Required: Yes

### trustStoreArn

The ARN of the trust store certificate.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

## Response Elements

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

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

### certificate

The certificate of the trust store certificate.

Type: [Certificate](#) object

### trustStoreArn

The ARN of the trust store certificate.

Type: String

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

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

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# GetUserAccessLoggingSettings

Gets user access logging settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [userAccessLoggingSettingsArn](#)

The ARN of the user access logging settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

## Response Elements

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

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

### [userAccessLoggingSettings](#)

The user access logging settings.

Type: [UserAccessLoggingSettings](#) object

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## ThrottlingException

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## ValidationException

There is a validation error.

### **fieldList**

The field that caused the error.

### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

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

# GetUserSettings

Gets user settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### userSettingsArn

The ARN of the user settings.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "userSettings": {
    "additionalEncryptionContext": {
      "string" : "string"
    },
    "associatedPortalArns": [ "string" ],
    "brandingConfiguration": {
      "colorTheme": "string",
      "favicon": {
```

```
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "string"
  },
  "localizedStrings": {
    "string" : {
      "browserTabTitle": "string",
      "contactButtonText": "string",
      "contactLink": "string",
      "loadingText": "string",
      "loginButtonText": "string",
      "loginDescription": "string",
      "loginTitle": "string",
      "welcomeText": "string"
    }
  },
  "logo": {
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "string"
  },
  "termsOfService": "string",
  "wallpaper": {
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "string"
  }
},
"cookieSynchronizationConfiguration": {
  "allowlist": [
    {
      "domain": "string",
      "name": "string",
      "path": "string"
    }
  ],
  "blocklist": [
    {
      "domain": "string",
      "name": "string",
      "path": "string"
    }
  ]
},
```

```
"copyAllowed": "string",
"customerManagedKey": "string",
"deepLinkAllowed": "string",
"disconnectTimeoutInMinutes": number,
"downloadAllowed": "string",
"idleDisconnectTimeoutInMinutes": number,
"pasteAllowed": "string",
"printAllowed": "string",
"toolbarConfiguration": {
  "hiddenToolbarItems": [ "string" ],
  "maxDisplayResolution": "string",
  "toolbarType": "string",
  "visualMode": "string"
},
"uploadAllowed": "string",
"userSettingsArn": "string",
"webAuthnAllowed": "string"
}
```

## Response Elements

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

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

### userSettings

The user settings.

Type: [UserSettings](#) object

## Errors

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

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

## InternalServerErrorException

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## ResourceNotFoundException

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## ThrottlingException

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## ValidationException

There is a validation error.

### **fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

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

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

# ListBrowserSettings

Retrieves a list of browser settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

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

Valid Range: Minimum value of 1.

### nextToken

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

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

Pattern: `\S+`

## Request Body

The request does not have a request body.

## Response Syntax

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

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

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

## Response Elements

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

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

### browserSettings

The browser settings.

Type: Array of [BrowserSettingsSummary](#) objects

### nextToken

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

Type: String

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

Pattern: \S+

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

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

HTTP Status Code: 500

## ThrottlingException

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## ValidationException

There is a validation error.

### **fieldList**

The field that caused the error.

### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

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

# ListDataProtectionSettings

Retrieves a list of data protection settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

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

Valid Range: Minimum value of 1.

### nextToken

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

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

Pattern: `\S+`

## Request Body

The request does not have a request body.

## Response Syntax

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

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

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

## Response Elements

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

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

### dataProtectionSettings

The data protection settings.

Type: Array of [DataProtectionSettingsSummary](#) objects

### nextToken

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

Type: String

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

Pattern: \S+

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## **See Also**

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

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

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

# ListIdentityProviders

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

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [maxResults](#)

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

Valid Range: Minimum value of 1.

### [nextToken](#)

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

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

Pattern: `\S+`

### [portalArn](#)

The ARN of the web portal.

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

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

## Response Elements

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

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

### [identityProviders](#)

The identity providers.

Type: Array of [IdentityProviderSummary](#) objects

### [nextToken](#)

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

Type: String

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

Pattern: `\S+`

## Errors

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

## **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **InternalServerError**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

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

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

### **fieldList**

The field that caused the error.

### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

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

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

# ListIpAccessSettings

Retrieves a list of IP access settings.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

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

Valid Range: Minimum value of 1.

### nextToken

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

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

Pattern: `\S+`

## Request Body

The request does not have a request body.

## Response Syntax

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

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

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

## Response Elements

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

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

### ipAccessSettings

The IP access settings.

Type: Array of [IpAccessSettingsSummary](#) objects

### nextToken

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

Type: String

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

Pattern: \S+

## Errors

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

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

### **retryAfterSeconds**

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

HTTP Status Code: 500

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

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

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## **See Also**

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

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

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

# ListNetworkSettings

Retrieves a list of network settings.

## Request Syntax

```
GET /networkSettings?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

### nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S+`

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "networkSettings": [
    {
      "networkSettingsArn": "string",
      "vpcId": "string"
    }
  ]
}
```

```
  ],  
  "nextToken": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### networkSettings

The network settings.

Type: Array of [NetworkSettingsSummary](#) objects

### nextToken

The pagination token used to retrieve the next page of results for this operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S+

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListPortals

Retrieves a list of web portals.

## Request Syntax

```
GET /portals?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [maxResults](#)

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

### [nextToken](#)

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S+`

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "nextToken": "string",
  "portals": [
    {
      "authenticationType": "string",
```

```
"browserSettingsArn": "string",
"browserType": "string",
"creationDate": number,
"dataProtectionSettingsArn": "string",
"displayName": "string",
"instanceType": "string",
"ipAccessSettingsArn": "string",
"maxConcurrentSessions": number,
"networkSettingsArn": "string",
"portalArn": "string",
"portalCustomDomain": "string",
"portalEndpoint": "string",
"portalStatus": "string",
"rendererType": "string",
"sessionLoggerArn": "string",
"trustStoreArn": "string",
"userAccessLoggingSettingsArn": "string",
"userSettingsArn": "string"
}
]
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### [nextToken](#)

The pagination token used to retrieve the next page of results for this operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S+

### [portals](#)

The portals in the list.

Type: Array of [PortalSummary](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListSessionLoggers

Lists all available session logger resources.

## Request Syntax

```
GET /sessionLoggers?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

### nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S+`

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "nextToken": "string",
  "sessionLoggers": [
    {
      "creationDate": number,
      "displayName": "string",
```

```
"logConfiguration": {
  "s3": {
    "bucket": "string",
    "bucketOwner": "string",
    "folderStructure": "string",
    "keyPrefix": "string",
    "logFileFormat": "string"
  }
},
"sessionLoggerArn": "string"
}
]
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### [nextToken](#)

The pagination token used to retrieve the next page of results for this operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S+

### [sessionLoggers](#)

The list of session loggers, including summaries of their details.

Type: Array of [SessionLoggerSummary](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListSessions

Lists information for multiple secure browser sessions from a specific portal.

## Request Syntax

```
GET /portals/portalId/sessions?  
maxResults=maxResults&nextToken=nextToken&sessionId=sessionId&sortBy=sortBy&status=status&user=user  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

### nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S+

### portalId

The ID of the web portal for the sessions.

Length Constraints: Fixed length of 36.

Pattern: [a-zA-Z0-9\-\-]+

Required: Yes

### sessionId

The ID of the session.

Length Constraints: Fixed length of 36.

Pattern: [a-zA-Z0-9\-\-]+

### sortBy

The method in which the returned sessions should be sorted.

Valid Values: StartTimeAscending | StartTimeDescending

### status

The status of the session.

Valid Values: Active | Terminated

### username

The username of the session.

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]\*

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "nextToken": "string",
  "sessions": [
    {
      "endTime": number,
      "portalArn": "string",
      "sessionId": "string",
      "startTime": number,
      "status": "string",
      "username": "string"
    }
  ]
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### nextToken

The pagination token used to retrieve the next page of results for this operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S+

### sessions

The sessions in a list.

Type: Array of [SessionSummary](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

**resourceId**

Hypothetical identifier of the resource affected.

**resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

**ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

Advice to clients on when the call can be safely retried.

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListTagsForResource

Retrieves a list of tags for a resource.

## Request Syntax

```
GET /tags/resourceArn+ HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The ARN of the resource.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200  
Content-type: application/json
```

```
{  
  "tags": [  
    {  
      "Key": "string",  
      "Value": "string"  
    }  
  ]  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### tags

The tags of the resource.

Type: Array of [Tag](#) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListTrustStoreCertificates

Retrieves a list of trust store certificates.

## Request Syntax

```
GET /trustStores/trustStoreArn/certificates?maxResults=maxResults&nextToken=nextToken  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [maxResults](#)

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

### [nextToken](#)

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S+`

### [trustStoreArn](#)

The ARN of the trust store

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "certificateList": [
    {
      "issuer": "string",
      "notValidAfter": number,
      "notValidBefore": number,
      "subject": "string",
      "thumbprint": "string"
    }
  ],
  "nextToken": "string",
  "trustStoreArn": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### [certificateList](#)

The certificate list.

Type: Array of [CertificateSummary](#) objects

### [nextToken](#)

The pagination token used to retrieve the next page of results for this operation.>

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S+

### [trustStoreArn](#)

The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|,.\@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\_]{36})+`

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### InternalServerError

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### ResourceNotFoundException

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### ThrottlingException

There is a throttling error.

#### **quotaCode**

The originating quota.

**retryAfterSeconds**

Advice to clients on when the call can be safely retried.

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListTrustStores

Retrieves a list of trust stores.

## Request Syntax

```
GET /trustStores?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

### nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `\S+`

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "nextToken": "string",
  "trustStores": [
    {
      "trustStoreArn": "string"
    }
  ]
}
```

```
]
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### nextToken

The pagination token used to retrieve the next page of results for this operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S+

### trustStores

The trust stores.

Type: Array of [TrustStoreSummary](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

## ThrottlingException

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

### **serviceCode**

The originating service.

HTTP Status Code: 429

## ValidationException

There is a validation error.

### **fieldList**

The field that caused the error.

### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListUserAccessLoggingSettings

Retrieves a list of user access logging settings.

## Request Syntax

```
GET /userAccessLoggingSettings?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

### nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S+

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "nextToken": "string",
  "userAccessLoggingSettings": [
    {
      "kinesisStreamArn": "string",
      "userAccessLoggingSettingsArn": "string"
    }
  ]
}
```

```
    }  
  ]  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### nextToken

The pagination token used to retrieve the next page of results for this operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S+

### userAccessLoggingSettings

The user access logging settings.

Type: Array of [UserAccessLoggingSettingsSummary](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListUserSettings

Retrieves a list of user settings.

## Request Syntax

```
GET /userSettings?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of results to be included in the next page.

Valid Range: Minimum value of 1.

### nextToken

The pagination token used to retrieve the next page of results for this operation.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S+

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "nextToken": "string",
  "userSettings": [
    {
      "brandingConfiguration": {
        "colorTheme": "string",
        "favicon": {
```

```
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "string"
  },
  "localizedStrings": {
    "string" : {
      "browserTabTitle": "string",
      "contactButtonText": "string",
      "contactLink": "string",
      "loadingText": "string",
      "loginButtonText": "string",
      "loginDescription": "string",
      "loginTitle": "string",
      "welcomeText": "string"
    }
  },
  "logo": {
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "string"
  },
  "termsOfService": "string",
  "wallpaper": {
    "fileExtension": "string",
    "lastUploadTimestamp": number,
    "mimeType": "string"
  }
},
"cookieSynchronizationConfiguration": {
  "allowlist": [
    {
      "domain": "string",
      "name": "string",
      "path": "string"
    }
  ],
  "blocklist": [
    {
      "domain": "string",
      "name": "string",
      "path": "string"
    }
  ]
},
```

```
"copyAllowed": "string",
"deepLinkAllowed": "string",
"disconnectTimeoutInMinutes": number,
"downloadAllowed": "string",
"idleDisconnectTimeoutInMinutes": number,
"pasteAllowed": "string",
"printAllowed": "string",
"toolbarConfiguration": {
  "hiddenToolbarItems": [ "string" ],
  "maxDisplayResolution": "string",
  "toolbarType": "string",
  "visualMode": "string"
},
"uploadAllowed": "string",
"userSettingsArn": "string",
"webAuthnAllowed": "string"
}
]
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### nextToken

The pagination token used to retrieve the next page of results for this operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: \S+

### userSettings

The user settings.

Type: Array of [UserSettingsSummary](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

## HTTP Status Code: 400

### See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# TagResource

Adds or overwrites one or more tags for the specified resource.

## Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### [resourceArn](#)

The ARN of the resource.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### [clientToken](#)

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request,

if the original request completes successfully, subsequent retries with the same client token returns the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

### tags

The tags of the resource.

Type: Array of [Tag](#) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

**retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

**ResourceNotFoundException**

The resource cannot be found.

**resourceId**

Hypothetical identifier of the resource affected.

**resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

**ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

Advice to clients on when the call can be safely retried.

**serviceCode**

The originating service.

HTTP Status Code: 429

**TooManyTagsException**

There are too many tags.

**resourceName**

Name of the resource affected.

HTTP Status Code: 400

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UntagResource

Removes one or more tags from the specified resource.

## Request Syntax

```
DELETE /tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The ARN of the resource.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\_]{36})+`

Required: Yes

### tagKeys

The list of tag keys to remove from the resource.

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `([\p{L}\p{Z}\p{N}_ . : / = + \ - @ ]*)`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### InternalServerError

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### ResourceNotFoundException

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### ThrottlingException

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateBrowserSettings

Updates browser settings.

## Request Syntax

```
PATCH /browserSettings/browserSettingsArn+ HTTP/1.1
Content-type: application/json

{
  "browserPolicy": "string",
  "clientToken": "string",
  "webContentFilteringPolicy": {
    "allowedUrls": [ "string" ],
    "blockedCategories": [ "string" ],
    "blockedUrls": [ "string" ]
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### browserSettingsArn

The ARN of the browser settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|,.\@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### browserPolicy

A JSON string containing Chrome Enterprise policies that will be applied to all streaming sessions.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 131072.

Pattern: `\{[\S\s]*\}\s*`

Required: No

### clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

### webContentFilteringPolicy

The policy that specifies which URLs end users are allowed to access or which URLs or domain categories they are restricted from accessing for enhanced security.

Type: [WebContentFilteringPolicy](#) object

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "browserSettings": {
    "additionalEncryptionContext": {
      "string" : "string"
    },
    "associatedPortalArns": [ "string" ],
    "browserPolicy": "string",
```

```
"browserSettingsArn": "string",
"customerManagedKey": "string",
"webContentFilteringPolicy": {
  "allowedUrls": [ "string" ],
  "blockedCategories": [ "string" ],
  "blockedUrls": [ "string" ]
}
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### browserSettings

The browser settings.

Type: [BrowserSettings](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

**resourceId**

Hypothetical identifier of the resource affected.

**resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

**ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

Advice to clients on when the call can be safely retried.

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateDataProtectionSettings

Updates data protection settings.

## Request Syntax

```
PATCH /dataProtectionSettings/dataProtectionSettingsArn+ HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "clientToken": "string",
  "description": "string",
  "displayName": "string",
  "inlineRedactionConfiguration": {
    "globalConfidenceLevel": number,
    "globalEnforcedUrls": [ "string" ],
    "globalExemptUrls": [ "string" ],
    "inlineRedactionPatterns": [
      {
        "builtInPatternId": "string",
        "confidenceLevel": number,
        "customPattern": {
          "keywordRegex": "string",
          "patternDescription": "string",
          "patternName": "string",
          "patternRegex": "string"
        },
        "enforcedUrls": [ "string" ],
        "exemptUrls": [ "string" ],
        "redactionPlaceholder": {
          "redactionPlaceholderText": "string",
          "redactionPlaceholderType": "string"
        }
      }
    ]
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

## dataProtectionSettingsArn

The ARN of the data protection settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

### description

The description of the data protection settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[_\-\d\w]+`

Required: No

## displayName

The display name of the data protection settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [ \_\-\d\w ]+

Required: No

## inlineRedactionConfiguration

The inline redaction configuration of the data protection settings that will be applied to all sessions.

Type: [InlineRedactionConfiguration](#) object

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "dataProtectionSettings": {
    "additionalEncryptionContext": {
      "string" : "string"
    },
    "associatedPortalArns": [ "string" ],
    "creationDate": number,
    "customerManagedKey": "string",
    "dataProtectionSettingsArn": "string",
    "description": "string",
    "displayName": "string",
    "inlineRedactionConfiguration": {
      "globalConfidenceLevel": number,
      "globalEnforcedUrls": [ "string" ],
      "globalExemptUrls": [ "string" ],
      "inlineRedactionPatterns": [
```

```
{
  "builtInPatternId": "string",
  "confidenceLevel": number,
  "customPattern": {
    "keywordRegex": "string",
    "patternDescription": "string",
    "patternName": "string",
    "patternRegex": "string"
  },
  "enforcedUrls": [ "string" ],
  "exemptUrls": [ "string" ],
  "redactionPlaceholder": {
    "redactionPlaceholderText": "string",
    "redactionPlaceholderType": "string"
  }
}
]
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### [dataProtectionSettings](#)

The data protection settings.

Type: [DataProtectionSettings](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## **InternalServerErrorException**

There is an internal server error.

### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## **ThrottlingException**

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

### **serviceCode**

The originating service.

HTTP Status Code: 429

## **ValidationException**

There is a validation error.

### **fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateIdentityProvider

Updates the identity provider.

## Request Syntax

```
PATCH /identityProviders/identityProviderArn HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "identityProviderDetails": {
    "string" : "string"
  },
  "identityProviderName": "string",
  "identityProviderType": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### identityProviderArn

The ARN of the identity provider.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\ - ]{36}){2,}`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request,

if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

## identityProviderDetails

The details of the identity provider. The following list describes the provider detail keys for each identity provider type.

- For Google and Login with Amazon:

- `client_id`
- `client_secret`
- `authorize_scopes`

- For Facebook:

- `client_id`
- `client_secret`
- `authorize_scopes`
- `api_version`

- For Sign in with Apple:

- `client_id`
- `team_id`
- `key_id`
- `private_key`
- `authorize_scopes`

- For OIDC providers:

- `client_id`
- `client_secret`
- `attributes_request_method`
- `oidc_issuer`

- `authorize_scopes`
- `authorize_url` *if not available from discovery URL specified by `oidc_issuer` key*
- `token_url` *if not available from discovery URL specified by `oidc_issuer` key*
- `attributes_url` *if not available from discovery URL specified by `oidc_issuer` key*
- `jwtks_uri` *if not available from discovery URL specified by `oidc_issuer` key*
- For SAML providers:
  - `MetadataFile` OR `MetadataURL`
  - `IDPSignout` (boolean) *optional*
  - `IDPInit` (boolean) *optional*
  - `RequestSigningAlgorithm` (string) *optional* - Only accepts `rsa-sha256`
  - `EncryptedResponses` (boolean) *optional*

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `[\s\S]*`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `[\s\S]*`

Required: No

### [identityProviderName](#)

The name of the identity provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `^[_][\p{L}\p{M}\p{S}\p{N}\p{P}][^_]+`

Required: No

### [identityProviderType](#)

The type of the identity provider.

Type: String

Valid Values: SAML | Facebook | Google | LoginWithAmazon | SignInWithApple | OIDC

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "identityProvider": {
    "identityProviderArn": "string",
    "identityProviderDetails": {
      "string" : "string"
    },
    "identityProviderName": "string",
    "identityProviderType": "string"
  }
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### identityProvider

The identity provider.

Type: [IdentityProvider](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateIpAccessSettings

Updates IP access settings.

## Request Syntax

```
PATCH /ipAccessSettings/ipAccessSettingsArn HTTP/1.1  
Content-type: application/json
```

```
{  
  "clientToken": "string",  
  "description": "string",  
  "displayName": "string",  
  "ipRules": [  
    {  
      "description": "string",  
      "ipRange": "string"  
    }  
  ]  
}
```

## URI Request Parameters

The request uses the following URI parameters.

### ipAccessSettingsArn

The ARN of the IP access settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

## clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

## description

The description of the IP access settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: .+

Required: No

## displayName

The display name of the IP access settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: .+

Required: No

## ipRules

The updated IP rules of the IP access settings.

Type: Array of [IpRule](#) objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "ipAccessSettings": {
    "additionalEncryptionContext": {
      "string" : "string"
    },
    "associatedPortalArns": [ "string" ],
    "creationDate": number,
    "customerManagedKey": "string",
    "description": "string",
    "displayName": "string",
    "ipAccessSettingsArn": "string",
    "ipRules": [
      {
        "description": "string",
        "ipRange": "string"
      }
    ]
  }
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### [ipAccessSettings](#)

The IP access settings.

Type: [IpAccessSettings](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

**AccessDeniedException**

Access is denied.

HTTP Status Code: 403

**InternalServerError**

There is an internal server error.

**retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

**ResourceNotFoundException**

The resource cannot be found.

**resourceId**

Hypothetical identifier of the resource affected.

**resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

**ThrottlingException**

There is a throttling error.

**quotaCode**

The originating quota.

**retryAfterSeconds**

Advice to clients on when the call can be safely retried.

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateNetworkSettings

Updates network settings.

## Request Syntax

```
PATCH /networkSettings/networkSettingsArn HTTP/1.1  
Content-type: application/json
```

```
{  
  "clientToken": "string",  
  "securityGroupIds": [ "string" ],  
  "subnetIds": [ "string" ],  
  "vpcId": "string"  
}
```

## URI Request Parameters

The request uses the following URI parameters.

### networkSettingsArn

The ARN of the network settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

### securityGroupIds

One or more security groups used to control access from streaming instances to your VPC.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\w+\-]+`

Required: No

### subnetIds

The subnets in which network interfaces are created to connect streaming instances to your VPC. At least two of these subnets must be in different availability zones.

Type: Array of strings

Array Members: Minimum number of 2 items. Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `subnet-([0-9a-f]{8}|[0-9a-f]{17})`

Required: No

### vpId

The VPC that streaming instances will connect to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: vpc-[0-9a-z]\*

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "networkSettings": {
    "associatedPortalArns": [ "string" ],
    "networkSettingsArn": "string",
    "securityGroupIds": [ "string" ],
    "subnetIds": [ "string" ],
    "vpcId": "string"
  }
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### networkSettings

The network settings.

Type: [NetworkSettings](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

## InternalServerErrorException

There is an internal server error.

### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

## ResourceNotFoundException

The resource cannot be found.

### **resourceId**

Hypothetical identifier of the resource affected.

### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## ThrottlingException

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

### **serviceCode**

The originating service.

HTTP Status Code: 429

## ValidationException

There is a validation error.

### **fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdatePortal

Updates a web portal.

## Request Syntax

```
PUT /portals/portalArn+ HTTP/1.1
Content-type: application/json

{
  "authenticationType": "string",
  "displayName": "string",
  "instanceType": "string",
  "maxConcurrentSessions": number,
  "portalCustomDomain": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### portalArn

The ARN of the web portal.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### authenticationType

The type of authentication integration points used when signing into the web portal. Defaults to Standard.

Standard web portals are authenticated directly through your identity provider. You need to call `CreateIdentityProvider` to integrate your identity provider with your web portal. User and group access to your web portal is controlled through your identity provider.

IAM Identity Center web portals are authenticated through AWS IAM Identity Center. Identity sources (including external identity provider integration), plus user and group access to your web portal, can be configured in the IAM Identity Center.

Type: String

Valid Values: `Standard` | `IAM_Identity_Center`

Required: No

### [displayName](#)

The name of the web portal. This is not visible to users who log into the web portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `.+`

Required: No

### [instanceType](#)

The type and resources of the underlying instance.

Type: String

Valid Values: `standard.regular` | `standard.large` | `standard.xlarge`

Required: No

### [maxConcurrentSessions](#)

The maximum number of concurrent sessions for the portal.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5000.

Required: No

## portalCustomDomain

The custom domain of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

Pattern: (|[a-zA-Z0-9]?((?!-)([A-Za-z0-9-]\*[A-Za-z0-9])\.)+[a-zA-Z0-9]+)

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "portal": {
    "additionalEncryptionContext": {
      "string" : "string"
    },
    "authenticationType": "string",
    "browserSettingsArn": "string",
    "browserType": "string",
    "creationDate": number,
    "customerManagedKey": "string",
    "dataProtectionSettingsArn": "string",
    "displayName": "string",
    "instanceType": "string",
    "ipAccessSettingsArn": "string",
    "maxConcurrentSessions": number,
    "networkSettingsArn": "string",
    "portalArn": "string",
    "portalCustomDomain": "string",
    "portalEndpoint": "string",
    "portalStatus": "string",
    "rendererType": "string",
    "sessionLoggerArn": "string",
    "statusReason": "string",
    "trustStoreArn": "string",
    "userAccessLoggingSettingsArn": "string",
    "userSettingsArn": "string"
  }
}
```

```
}  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### portal

The web portal.

Type: [Portal](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **ConflictException**

There is a conflict.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

HTTP Status Code: 409

### **InternalServerError**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The service quota has been exceeded.

#### **quotaCode**

The originating quota.

#### **resourceId**

Identifier of the resource affected.

#### **resourceType**

Type of the resource affected.

#### **serviceCode**

The originating service.

HTTP Status Code: 402

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateSessionLogger

Updates the details of a session logger.

## Request Syntax

```
POST /sessionLoggers/sessionLoggerArn HTTP/1.1
Content-type: application/json
```

```
{
  "displayName": "string",
  "eventFilter": { ... },
  "logConfiguration": {
    "s3": {
      "bucket": "string",
      "bucketOwner": "string",
      "folderStructure": "string",
      "keyPrefix": "string",
      "logFileFormat": "string"
    }
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### [sessionLoggerArn](#)

The ARN of the session logger to update.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\\[a-fA-F0-9\-\-]{36})+`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

## displayName

The updated display name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [ \_\-\d\w]+

Required: No

## eventFilter

The updated eventFilter.

Type: [EventFilter](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

## logConfiguration

The updated logConfiguration.

Type: [LogConfiguration](#) object

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "sessionLogger": {
    "additionalEncryptionContext": {
      "string" : "string"
    },
    "associatedPortalArns": [ "string" ],
    "creationDate": number,
    "customerManagedKey": "string",
    "displayName": "string",
```

```
"eventFilter": { ... },
"logConfiguration": {
  "s3": {
    "bucket": "string",
    "bucketOwner": "string",
    "folderStructure": "string",
    "keyPrefix": "string",
    "logFileFormat": "string"
  }
},
"sessionLoggerArn": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### sessionLogger

The updated details of the session logger.

Type: [SessionLogger](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

#### **serviceCode**

The originating service.

HTTP Status Code: 429

### **ValidationException**

There is a validation error.

#### **fieldList**

The field that caused the error.

#### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateTrustStore

Updates the trust store.

## Request Syntax

```
PATCH /trustStores/trustStoreArn HTTP/1.1  
Content-type: application/json
```

```
{  
  "certificatesToAdd": [ blob ],  
  "certificatesToDelete": [ "string" ],  
  "clientToken": "string"  
}
```

## URI Request Parameters

The request uses the following URI parameters.

### trustStoreArn

The ARN of the trust store.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\\[a-fA-F0-9\-\_]{36})+`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### certificatesToAdd

A list of CA certificates to add to the trust store.

Type: Array of Base64-encoded binary data objects

Length Constraints: Minimum length of 1. Maximum length of 32768.

Required: No

### certificatesToDelete

A list of CA certificates to delete from a trust store.

Type: Array of strings

Length Constraints: Fixed length of 64.

Pattern: `[A-Za-z0-9]{64}`

Required: No

### clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "trustStoreArn": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

## trustStoreArn

The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

## ServiceQuotaExceededException

The service quota has been exceeded.

### **quotaCode**

The originating quota.

### **resourceId**

Identifier of the resource affected.

### **resourceType**

Type of the resource affected.

### **serviceCode**

The originating service.

HTTP Status Code: 402

## ThrottlingException

There is a throttling error.

### **quotaCode**

The originating quota.

### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

### **serviceCode**

The originating service.

HTTP Status Code: 429

## ValidationException

There is a validation error.

### **fieldList**

The field that caused the error.

### **reason**

Reason the request failed validation

HTTP Status Code: 400

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateUserAccessLoggingSettings

Updates the user access logging settings.

## Request Syntax

```
PATCH /userAccessLoggingSettings/userAccessLoggingSettingsArn+ HTTP/1.1
Content-type: application/json

{
  "clientToken": "string",
  "kinesisStreamArn": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\ - ]{36})+`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

### kinesisStreamArn

The ARN of the Kinesis stream.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:[\w+=/,.@-]+:kinesis:[a-zA-Z0-9\-\-]\*:[a-zA-Z0-9]{1,12}:stream/.+

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "userAccessLoggingSettings": {
    "associatedPortalArns": [ "string" ],
    "kinesisStreamArn": "string",
    "userAccessLoggingSettingsArn": "string"
  }
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### userAccessLoggingSettings

The user access logging settings.

Type: UserAccessLoggingSettings object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### **AccessDeniedException**

Access is denied.

HTTP Status Code: 403

### **InternalServerErrorException**

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### **ThrottlingException**

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

#### **serviceCode**

The originating service.

HTTP Status Code: 429

## ValidationException

There is a validation error.

### fieldList

The field that caused the error.

### reason

Reason the request failed validation

HTTP Status Code: 400

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateUserSettings

Updates the user settings.

## Request Syntax

```
PATCH /userSettings/userSettingsArn+ HTTP/1.1
Content-type: application/json
```

```
{
  "brandingConfigurationInput": {
    "colorTheme": "string",
    "favicon": { ... },
    "localizedStrings": {
      "string": {
        "browserTabTitle": "string",
        "contactButtonText": "string",
        "contactLink": "string",
        "loadingText": "string",
        "loginButtonText": "string",
        "loginDescription": "string",
        "loginTitle": "string",
        "welcomeText": "string"
      }
    },
    "logo": { ... },
    "termsOfService": "string",
    "wallpaper": { ... }
  },
  "clientToken": "string",
  "cookieSynchronizationConfiguration": {
    "allowlist": [
      {
        "domain": "string",
        "name": "string",
        "path": "string"
      }
    ],
    "blocklist": [
      {
        "domain": "string",
        "name": "string",
        "path": "string"
      }
    ]
  }
}
```

```

    }
  ]
},
"copyAllowed": "string",
"deepLinkAllowed": "string",
"disconnectTimeoutInMinutes": number,
"downloadAllowed": "string",
"idleDisconnectTimeoutInMinutes": number,
"pasteAllowed": "string",
"printAllowed": "string",
"toolbarConfiguration": {
  "hiddenToolbarItems": [ "string" ],
  "maxDisplayResolution": "string",
  "toolbarType": "string",
  "visualMode": "string"
},
"uploadAllowed": "string",
"webAuthnAllowed": "string"
}

```

## URI Request Parameters

The request uses the following URI parameters.

### userSettingsArn

The ARN of the user settings.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\\[a-fA-F0-9\-\-]{36})+`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### brandingConfigurationInput

The branding configuration that customizes the appearance of the web portal for end users. When updating user settings without an existing branding configuration, all fields (logo,

favicon, localized strings, and color theme) are required except for wallpaper and terms of service. When updating user settings with an existing branding configuration, all fields are optional.

Type: [BrandingConfigurationUpdateInput](#) object

Required: No

### clientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Idempotency ensures that an API request completes only once. With an idempotent request, if the original request completes successfully, subsequent retries with the same client token return the result from the original successful request.

If you do not specify a client token, one is automatically generated by the AWS SDK.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

### cookieSynchronizationConfiguration

The configuration that specifies which cookies should be synchronized from the end user's local browser to the remote browser.

If the allowlist and blocklist are empty, the configuration becomes null.

Type: [CookieSynchronizationConfiguration](#) object

Required: No

### copyAllowed

Specifies whether the user can copy text from the streaming session to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### deepLinkAllowed

Specifies whether the user can use deep links that open automatically when connecting to a session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### disconnectTimeoutInMinutes

The amount of time that a streaming session remains active after users disconnect.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 600.

Required: No

### downloadAllowed

Specifies whether the user can download files from the streaming session to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### idleDisconnectTimeoutInMinutes

The amount of time that users can be idle (inactive) before they are disconnected from their streaming session and the disconnect timeout interval begins.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 60.

Required: No

### pasteAllowed

Specifies whether the user can paste text from the local device to the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### printAllowed

Specifies whether the user can print to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### toolbarConfiguration

The configuration of the toolbar. This allows administrators to select the toolbar type and visual mode, set maximum display resolution for sessions, and choose which items are visible to end users during their sessions. If administrators do not modify these settings, end users retain control over their toolbar preferences.

Type: [ToolbarConfiguration](#) object

Required: No

### uploadAllowed

Specifies whether the user can upload files from the local device to the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### webAuthnAllowed

Specifies whether the user can use WebAuthn redirection for passwordless login to websites within the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

## Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "userSettings": {
    "additionalEncryptionContext": {
      "string" : "string"
    },
    "associatedPortalArns": [ "string" ],
    "brandingConfiguration": {
      "colorTheme": "string",
      "favicon": {
        "fileExtension": "string",
        "lastUploadTimestamp": number,
        "mimeType": "string"
      },
      "localizedStrings": {
        "string" : {
          "browserTabTitle": "string",
          "contactButtonText": "string",
          "contactLink": "string",
          "loadingText": "string",
          "loginButtonText": "string",
          "loginDescription": "string",
          "loginTitle": "string",
          "welcomeText": "string"
        }
      },
      "logo": {
        "fileExtension": "string",
        "lastUploadTimestamp": number,
        "mimeType": "string"
      },
      "termsOfService": "string",
      "wallpaper": {
        "fileExtension": "string",
        "lastUploadTimestamp": number,
        "mimeType": "string"
      }
    },
    "cookieSynchronizationConfiguration": {
```

```
    "allowlist": [
      {
        "domain": "string",
        "name": "string",
        "path": "string"
      }
    ],
    "blocklist": [
      {
        "domain": "string",
        "name": "string",
        "path": "string"
      }
    ]
  },
  "copyAllowed": "string",
  "customerManagedKey": "string",
  "deepLinkAllowed": "string",
  "disconnectTimeoutInMinutes": number,
  "downloadAllowed": "string",
  "idleDisconnectTimeoutInMinutes": number,
  "pasteAllowed": "string",
  "printAllowed": "string",
  "toolbarConfiguration": {
    "hiddenToolbarItems": [ "string" ],
    "maxDisplayResolution": "string",
    "toolbarType": "string",
    "visualMode": "string"
  },
  "uploadAllowed": "string",
  "userSettingsArn": "string",
  "webAuthnAllowed": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

### userSettings

The user settings.

Type: [UserSettings](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors](#).

### AccessDeniedException

Access is denied.

HTTP Status Code: 403

### InternalServerErrorException

There is an internal server error.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

HTTP Status Code: 500

### ResourceNotFoundException

The resource cannot be found.

#### **resourceId**

Hypothetical identifier of the resource affected.

#### **resourceType**

Hypothetical type of the resource affected.

HTTP Status Code: 404

### ThrottlingException

There is a throttling error.

#### **quotaCode**

The originating quota.

#### **retryAfterSeconds**

Advice to clients on when the call can be safely retried.

**serviceCode**

The originating service.

HTTP Status Code: 429

**ValidationException**

There is a validation error.

**fieldList**

The field that caused the error.

**reason**

Reason the request failed validation

HTTP Status Code: 400

**See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# Data Types

The Amazon WorkSpaces Web API contains several data types that various actions use. This section describes each data type in detail.

## Note

The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [BrandingConfiguration](#)
- [BrandingConfigurationCreateInput](#)
- [BrandingConfigurationUpdateInput](#)
- [BrowserSettings](#)
- [BrowserSettingsSummary](#)
- [Certificate](#)
- [CertificateSummary](#)
- [CookieSpecification](#)
- [CookieSynchronizationConfiguration](#)
- [CustomPattern](#)
- [DataProtectionSettings](#)
- [DataProtectionSettingsSummary](#)
- [EventFilter](#)
- [IconImageInput](#)
- [IdentityProvider](#)
- [IdentityProviderSummary](#)
- [ImageMetadata](#)
- [InlineRedactionConfiguration](#)
- [InlineRedactionPattern](#)
- [IpAccessSettings](#)

- [IpAccessSettingsSummary](#)
- [IpRule](#)
- [LocalizedBrandingStrings](#)
- [LogConfiguration](#)
- [NetworkSettings](#)
- [NetworkSettingsSummary](#)
- [Portal](#)
- [PortalSummary](#)
- [RedactionPlaceHolder](#)
- [S3LogConfiguration](#)
- [Session](#)
- [SessionLogger](#)
- [SessionLoggerSummary](#)
- [SessionSummary](#)
- [Tag](#)
- [ToolbarConfiguration](#)
- [TrustStore](#)
- [TrustStoreSummary](#)
- [UserAccessLoggingSettings](#)
- [UserAccessLoggingSettingsSummary](#)
- [UserSettings](#)
- [UserSettingsSummary](#)
- [ValidationExceptionField](#)
- [WallpaperImageInput](#)
- [WebContentFilteringPolicy](#)

# BrandingConfiguration

The branding configuration output including custom images metadata, localized strings, color theme, and terms of service.

## Contents

### colorTheme

The color theme for components on the web portal.

Type: String

Valid Values: Light | Dark

Required: Yes

### favicon

Metadata for the favicon image file, including the MIME type, file extension, and upload timestamp.

Type: [ImageMetadata](#) object

Required: Yes

### localizedStrings

A map of localized text strings for different languages, allowing the portal to display content in the user's preferred language.

Type: String to [LocalizedBrandingStrings](#) object map

Valid Keys: de-DE | en-US | es-ES | fr-FR | id-ID | it-IT | ja-JP | ko-KR | pt-BR | zh-CN | zh-TW

Required: Yes

### logo

Metadata for the logo image file, including the MIME type, file extension, and upload timestamp.

Type: [ImageMetadata](#) object

Required: Yes

### **termsOfService**

The terms of service text in Markdown format that users must accept before accessing the portal.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 153600.

Required: No

### **wallpaper**

Metadata for the wallpaper image file, including the MIME type, file extension, and upload timestamp.

Type: [ImageMetadata](#) object

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# BrandingConfigurationCreateInput

The input configuration for creating branding settings.

## Contents

### colorTheme

The color theme for components on the web portal. Choose `Light` if you upload a dark wallpaper, or `Dark` for a light wallpaper.

Type: String

Valid Values: `Light` | `Dark`

Required: Yes

### favicon

The favicon image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 100 KB in JPEG, PNG, or ICO format.

Type: [IconImageInput](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

### localizedStrings

A map of localized text strings for different supported languages. Each locale must provide the required fields `browserTabTitle` and `welcomeText`.

Type: String to [LocalizedBrandingStrings](#) object map

Valid Keys: `de-DE` | `en-US` | `es-ES` | `fr-FR` | `id-ID` | `it-IT` | `ja-JP` | `ko-KR` | `pt-BR` | `zh-CN` | `zh-TW`

Required: Yes

### logo

The logo image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 100 KB in JPEG, PNG, or ICO format.

Type: [IconImageInput](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

### **termsOfService**

The terms of service text in Markdown format. Users will be presented with the terms of service after successfully signing in.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 153600.

Required: No

### **wallpaper**

The wallpaper image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 5 MB in JPEG or PNG format. If not provided, a default wallpaper will be used as the background image.

Type: [WallpaperImageInput](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# BrandingConfigurationUpdateInput

The input configuration for updating branding settings. All fields are optional when updating existing branding.

## Contents

### colorTheme

The color theme for components on the web portal. Choose `Light` if you upload a dark wallpaper, or `Dark` for a light wallpaper.

Type: String

Valid Values: `Light` | `Dark`

Required: No

### favicon

The favicon image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 100 KB in JPEG, PNG, or ICO format.

Type: [IconImageInput](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

### localizedStrings

A map of localized text strings for different supported languages. Each locale must provide the required fields `browserTabTitle` and `welcomeText`.

Type: String to [LocalizedBrandingStrings](#) object map

Valid Keys: `de-DE` | `en-US` | `es-ES` | `fr-FR` | `id-ID` | `it-IT` | `ja-JP` | `ko-KR` | `pt-BR` | `zh-CN` | `zh-TW`

Required: No

### logo

The logo image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 100 KB in JPEG, PNG, or ICO format.

Type: [IconImageInput](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

### termsOfService

The terms of service text in Markdown format. To remove existing terms of service, provide an empty string.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 153600.

Required: No

### wallpaper

The wallpaper image for the portal. Provide either a binary image file or an S3 URI pointing to the image file. Maximum 5 MB in JPEG or PNG format.

Type: [WallpaperImageInput](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# BrowserSettings

The browser settings resource that can be associated with a web portal. Once associated with a web portal, browser settings control how the browser will behave once a user starts a streaming session for the web portal.

## Contents

### **browserSettingsArn**

The ARN of the browser settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\ - ]{36})+`

Required: Yes

### **additionalEncryptionContext**

The additional encryption context of the browser settings.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `[\s\S]*`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `[\s\S]*`

Required: No

### **associatedPortalArns**

A list of web portal ARNs that this browser settings is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

### **browserPolicy**

A JSON string containing Chrome Enterprise policies that will be applied to all streaming sessions.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 131072.

Pattern: `\{[\S\s]*\}\s*`

Required: No

### **customerManagedKey**

The customer managed key used to encrypt sensitive information in the browser settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:kms:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:key\#[a-zA-Z0-9\-\-]+`

Required: No

### **webContentFilteringPolicy**

The policy that specifies which URLs end users are allowed to access or which URLs or domain categories they are restricted from accessing for enhanced security.

Type: [WebContentFilteringPolicy](#) object

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# BrowserSettingsSummary

The summary for browser settings.

## Contents

### browserSettingsArn

The ARN of the browser settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Certificate

The certificate.

## Contents

### body

The body of the certificate.

Type: Base64-encoded binary data object

Length Constraints: Minimum length of 1. Maximum length of 32768.

Required: No

### issuer

The entity that issued the certificate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: \S+

Required: No

### notValidAfter

The certificate is not valid after this date.

Type: Timestamp

Required: No

### notValidBefore

The certificate is not valid before this date.

Type: Timestamp

Required: No

### subject

The entity the certificate belongs to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: \S+

Required: No

### **thumbprint**

A hexadecimal identifier for the certificate.

Type: String

Length Constraints: Fixed length of 64.

Pattern: [A-Fa-f0-9]{64}

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# CertificateSummary

The summary of the certificate.

## Contents

### issuer

The entity that issued the certificate.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: \S+

Required: No

### notValidAfter

The certificate is not valid after this date.

Type: Timestamp

Required: No

### notValidBefore

The certificate is not valid before this date.

Type: Timestamp

Required: No

### subject

The entity the certificate belongs to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: \S+

Required: No

## thumbprint

A hexadecimal identifier for the certificate.

Type: String

Length Constraints: Fixed length of 64.

Pattern: `[A-Fa-f0-9]{64}`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# CookieSpecification

Specifies a single cookie or set of cookies in an end user's browser.

## Contents

### domain

The domain of the cookie.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 253.

Pattern: `(\.(?:(?:[a-z0-9](?:[a-z0-9-]{0,61}[a-z0-9])?)?\.)*[a-z0-9][a-z0-9-]{0,61}[a-z0-9]`

Required: Yes

### name

The name of the cookie.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: No

### path

The path of the cookie.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2000.

Pattern: `/(\S)*`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# CookieSynchronizationConfiguration

The configuration that specifies which cookies should be synchronized from the end user's local browser to the remote browser.

## Contents

### allowlist

The list of cookie specifications that are allowed to be synchronized to the remote browser.

Type: Array of [CookieSpecification](#) objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: Yes

### blocklist

The list of cookie specifications that are blocked from being synchronized to the remote browser.

Type: Array of [CookieSpecification](#) objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# CustomPattern

The pattern configuration for redacting custom data types in session.

## Contents

### patternName

The pattern name for the custom pattern.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `[_\-\d\w]+`

Required: Yes

### patternRegex

The pattern regex for the customer pattern. The format must follow JavaScript regex format. The pattern must be enclosed between slashes, and can have flags behind the second slash. For example: `"/ab+c/gi"`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 300.

Pattern: `\(((?:[^\n]))+)\)/([gimsuyvd]{0,8})`

Required: Yes

### keywordRegex

The keyword regex for the customer pattern. After there is a match to the pattern regex, the keyword regex is used to search within the proximity of the match. If there is a keyword match, then the match is confirmed. If no keyword regex is provided, the pattern regex match will automatically be confirmed. The format must follow JavaScript regex format. The pattern must be enclosed between slashes, and can have flags behind the second slash. For example, `"/ab+c/gi"`

Type: String

Length Constraints: Minimum length of 0. Maximum length of 300.

Pattern: `\((?:[^\n])+)\|([gimsuyvd]{0,8})`

Required: No

### **patternDescription**

The pattern description for the customer pattern.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[ _\-\d\w]+`

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# DataProtectionSettings

The data protection settings resource that can be associated with a web portal.

## Contents

### dataProtectionSettingsArn

The ARN of the data protection settings resource.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: Yes

### additionalEncryptionContext

The additional encryption context of the data protection settings.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `[\s\S]*`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `[\s\S]*`

Required: No

### associatedPortalArns

A list of web portal ARNs that this data protection settings resource is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

### **creationDate**

The creation date timestamp of the data protection settings.

Type: Timestamp

Required: No

### **customerManagedKey**

The customer managed key used to encrypt sensitive information in the data protection settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@- ]+ :kms:[a-zA-Z0-9-]* : [a-zA-Z0-9]{1,12} :key\/[a-zA-Z0-9- ]+`

Required: No

### **description**

The description of the data protection settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[ _\-\d\w ]+`

Required: No

### **displayName**

The display name of the data protection settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[ _\-\d\w ]+`

Required: No

## **inlineRedactionConfiguration**

The inline redaction configuration for the data protection settings.

Type: [InlineRedactionConfiguration](#) object

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# DataProtectionSettingsSummary

The summary of the data protection settings.

## Contents

### **dataProtectionSettingsArn**

The ARN of the data protection settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, .@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\_]{36})+`

Required: Yes

### **creationDate**

The creation date timestamp of the data protection settings.

Type: Timestamp

Required: No

### **description**

The description of the data protection settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[ _\-\d\w]+`

Required: No

### **displayName**

The display name of the data protection settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: [ \_\-\d\w ]+

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# EventFilter

The filter that specifies the events to monitor.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### all

The filter that monitors all of the available events, including any new events emitted in the future.

Type: Structure

Required: No

### include

The filter that monitors only the listed set of events. New events are not auto-monitored.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Valid Values: `WebsiteInteract` | `FileDownloadFromSecureBrowserToRemoteDisk` | `FileTransferFromRemoteToLocalDisk` | `FileTransferFromLocalToRemoteDisk` | `FileUploadFromRemoteDiskToSecureBrowser` | `ContentPasteToWebsite` | `ContentTransferFromLocalToRemoteClipboard` | `ContentCopyFromWebsite` | `UrlLoad` | `TabOpen` | `TabClose` | `PrintJobSubmit` | `SessionConnect` | `SessionStart` | `SessionDisconnect` | `SessionEnd` | `UrlBlockByContentFilter`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# IconImageInput

The input for an icon image (logo or favicon). Provide either a binary image file or an S3 URI pointing to the image file. Maximum 100 KB in JPEG, PNG, or ICO format.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### blob

The image provided as a binary image file.

Type: Base64-encoded binary data object

Length Constraints: Minimum length of 0. Maximum length of 102400.

Required: No

### s3Uri

The S3 URI pointing to the image file. The URI must use the format `s3://bucket-name/key-name`. You must have read access to the S3 object.

Type: String

Pattern: `s3://[a-z0-9][a-z0-9\.\-]{1,61}[a-z0-9]/.+`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# IdentityProvider

The identity provider.

## Contents

### identityProviderArn

The ARN of the identity provider.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|,.\@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\_]{36}){2,}`

Required: Yes

### identityProviderDetails

The identity provider details. The following list describes the provider detail keys for each identity provider type.

- For Google and Login with Amazon:
  - `client_id`
  - `client_secret`
  - `authorize_scopes`
- For Facebook:
  - `client_id`
  - `client_secret`
  - `authorize_scopes`
  - `api_version`
- For Sign in with Apple:
  - `client_id`
  - `team_id`
  - `key_id`
  - `private_key`

- `authorize_scopes`
- For OIDC providers:
  - `client_id`
  - `client_secret`
  - `attributes_request_method`
  - `oidc_issuer`
  - `authorize_scopes`
  - `authorize_url` *if not available from discovery URL specified by `oidc_issuer` key*
  - `token_url` *if not available from discovery URL specified by `oidc_issuer` key*
  - `attributes_url` *if not available from discovery URL specified by `oidc_issuer` key*
  - `jwt_keys_uri` *if not available from discovery URL specified by `oidc_issuer` key*
- For SAML providers:
  - `MetadataFile` OR `MetadataURL`
  - `IDPSignout` (boolean) *optional*
  - `IDPInit` (boolean) *optional*
  - `RequestSigningAlgorithm` (string) *optional* - Only accepts `rsa-sha256`
  - `EncryptedResponses` (boolean) *optional*

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `[\s\S]*`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `[\s\S]*`

Required: No

### **identityProviderName**

The identity provider name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `[^_][\p{L}\p{M}\p{S}\p{N}\p{P}][^_]+`

Required: No

## **identityProviderType**

The identity provider type.

Type: String

Valid Values: SAML | Facebook | Google | LoginWithAmazon | SignInWithApple |  
OIDC

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# IdentityProviderSummary

The summary of the identity provider.

## Contents

### identityProviderArn

The ARN of the identity provider.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./,.\@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\_]{36}){2,}`

Required: Yes

### identityProviderName

The identity provider name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `[\^_][\p{L}\p{M}\p{S}\p{N}\p{P}][\^_]+`

Required: No

### identityProviderType

The identity provider type.

Type: String

Valid Values: SAML | Facebook | Google | LoginWithAmazon | SignInWithApple |  
OIDC

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ImageMetadata

Metadata information about an uploaded image file.

## Contents

### fileExtension

The file extension of the image.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 131072.

Pattern: `[\s\S]*`

Required: Yes

### lastUploadTimestamp

The timestamp when the image was last uploaded.

Type: Timestamp

Required: Yes

### mimeType

The MIME type of the image.

Type: String

Valid Values: `image/png` | `image/jpeg` | `image/x-icon`

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

# InlineRedactionConfiguration

The configuration for in-session inline redaction.

## Contents

### inlineRedactionPatterns

The inline redaction patterns to be enabled for the inline redaction configuration.

Type: Array of [InlineRedactionPattern](#) objects

Array Members: Minimum number of 0 items. Maximum number of 150 items.

Required: Yes

### globalConfidenceLevel

The global confidence level for the inline redaction configuration. This indicates the certainty of data type matches in the redaction process. Confidence level 3 means high confidence, and requires a formatted text pattern match in order for content to be redacted. Confidence level 2 means medium confidence, and redaction considers both formatted and unformatted text, and adds keyword associate to the logic. Confidence level 1 means low confidence, and redaction is enforced for both formatted pattern + unformatted pattern without keyword. This is applied to patterns that do not have a pattern-level confidence level. Defaults to confidence level 2.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 3.

Required: No

### globalEnforcedUrls

The global enforced URL configuration for the inline redaction configuration. This is applied to patterns that do not have a pattern-level enforced URL list.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Pattern: `((([a-zA-Z][a-zA-Z0-9+.-]*)|\\|/|\\*|\\w%. _ \\ - \\ + ~ # = @ ] + )? (\\| [ ^ @ \\s ] * )? (?: \\? ( [ ^ * \\s ] + (?: \\* ? ) ) )? ) | ( \\* | [ \\w %. _ \\ - \\ + ~ # = @ ] + \\ . [ \\w %. _ \\ - \\ + ~ # = @ ] + )`

```
(?::(\d{1,5}))?(\/[^\s]*)?(?:\?([\^*\s]+(?:\?*\?)))?|((([a-zA-Z][a-zA-Z0-9+.-]*):(\/\/)?\*))
```

Required: No

## globalExemptUrls

The global exempt URL configuration for the inline redaction configuration. This is applied to patterns that do not have a pattern-level exempt URL list.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

```
Pattern: ((([a-zA-Z][a-zA-Z0-9+.-]*):(\/\/)?([\w%._\-\+~#=@]+)?(\/[^\s]*)?(?:\?([\^*\s]+(?:\?*\?)))?)|(\*|[\w%._\-\+~#=@]+\.[\w%._\-\+~#=@]+)(?::(\d{1,5}))?(\/[^\s]*)?(?:\?([\^*\s]+(?:\?*\?)))?|((([a-zA-Z][a-zA-Z0-9+.-]*):(\/\/)?\*))
```

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# InlineRedactionPattern

The set of patterns that determine the data types redacted in session.

## Contents

### redactionPlaceHolder

The redaction placeholder that will replace the redacted text in session for the inline redaction pattern.

Type: [RedactionPlaceHolder](#) object

Required: Yes

### builtInPatternId

The built-in pattern from the list of preconfigured patterns. Either a customPattern or builtInPatternId is required.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[_\-\d\w]+`

Required: No

### confidenceLevel

The confidence level for inline redaction pattern. This indicates the certainty of data type matches in the redaction process. Confidence level 3 means high confidence, and requires a formatted text pattern match in order for content to be redacted. Confidence level 2 means medium confidence, and redaction considers both formatted and unformatted text, and adds keyword associate to the logic. Confidence level 1 means low confidence, and redaction is enforced for both formatted pattern + unformatted pattern without keyword. This overrides the global confidence level.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 3.

Required: No

## customPattern

>The configuration for a custom pattern. Either a customPattern or builtInPatternId is required.

Type: [CustomPattern](#) object

Required: No

## enforcedUrls

The enforced URL configuration for the inline redaction pattern. This will override the global enforced URL configuration.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Pattern: ((([a-zA-Z][a-zA-Z0-9+.-]\*):\\\\(\\\*|[\w%.\_\-\+\~#=@]+)?(\\/[^\s]\*)?(?:\?(^[\*\s]+(?:\?\*))?)|(\\*|[\w%.\_\-\+\~#=@]+\.[\w%.\_\-\+\~#=@]+(?::(\d{1,5}))?(\\/[^\s]\*)?(?:\?(^[\*\s]+(?:\?\*))?)|((([a-zA-Z][a-zA-Z0-9+.-]\*):(\\\\)?)\\*))

Required: No

## exemptUrls

The exempt URL configuration for the inline redaction pattern. This will override the global exempt URL configuration for the inline redaction pattern.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Pattern: ((([a-zA-Z][a-zA-Z0-9+.-]\*):\\\\(\\\*|[\w%.\_\-\+\~#=@]+)?(\\/[^\s]\*)?(?:\?(^[\*\s]+(?:\?\*))?)|(\\*|[\w%.\_\-\+\~#=@]+\.[\w%.\_\-\+\~#=@]+(?::(\d{1,5}))?(\\/[^\s]\*)?(?:\?(^[\*\s]+(?:\?\*))?)|((([a-zA-Z][a-zA-Z0-9+.-]\*):(\\\\)?)\\*))

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# IpAccessSettings

The IP access settings resource that can be associated with a web portal.

## Contents

### ipAccessSettingsArn

The ARN of the IP access settings resource.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: Yes

### additionalEncryptionContext

The additional encryption context of the IP access settings.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `[\s\S]*`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `[\s\S]*`

Required: No

### associatedPortalArns

A list of web portal ARNs that this IP access settings resource is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

### **creationDate**

The creation date timestamp of the IP access settings.

Type: Timestamp

Required: No

### **customerManagedKey**

The customer managed key used to encrypt sensitive information in the IP access settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@- ]+ :kms:[a-zA-Z0-9\ -]* : [a-zA-Z0-9]{1,12} :key\[a-zA-Z0-9- ]+`

Required: No

### **description**

The description of the IP access settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.+`

Required: No

### **displayName**

The display name of the IP access settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `.+`

Required: No

## ipRules

The IP rules of the IP access settings.

Type: Array of [IpRule](#) objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# IpAccessSettingsSummary

The summary of IP access settings.

## Contents

### ipAccessSettingsArn

The ARN of IP access settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\ - ]{36})+`

Required: Yes

### creationDate

The creation date timestamp of the IP access settings.

Type: Timestamp

Required: No

### description

The description of the IP access settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.+`

Required: No

### displayName

The display name of the IP access settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: . +

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# IpRule

The IP rules of the IP access settings.

## Contents

### ipRange

The IP range of the IP rule.

Type: String

Pattern: `\d{1,3}\.\d{1,3}\.\d{1,3}\.\d{1,3}(?:/([0-9]|[12][0-9]|3[0-2]))|)`

Required: Yes

### description

The description of the IP rule.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `.+`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# LocalizedBrandingStrings

Localized text strings for a specific language that customize the web portal.

## Contents

### browserTabTitle

The text displayed in the browser tab title.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 25.

Pattern: [`^<>&'`~\\`]\*

Required: Yes

### welcomeText

The welcome text displayed on the sign-in page.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 150.

Pattern: [`^<>&'`~\\`]\*

Required: Yes

### contactButtonText

The text displayed on the contact button. This field is optional and defaults to "Contact us".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 30.

Pattern: [`^<>&'`~\\`]\*

Required: No

### contactLink

A contact link URL. The URL must start with `https://` or `mailto:.` If not provided, the contact button will be hidden from the web portal screen.

Type: String

Pattern: (https://|mailto:).\*

Required: No

### **loadingText**

The text displayed during session loading. This field is optional and defaults to "Loading your session".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 300.

Pattern: [^<>&'`~\\]\*

Required: No

### **loginButtonText**

The text displayed on the login button. This field is optional and defaults to "Sign In".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 30.

Pattern: [^<>&'`~\\]\*

Required: No

### **loginDescription**

The description text for the login section. This field is optional and defaults to "Sign in to your session".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 250.

Pattern: [^<>&'`~\\]\*

Required: No

### **loginTitle**

The title text for the login section. This field is optional and defaults to "Sign In".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Pattern: [`^<>&'`~\\`]\*

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# LogConfiguration

The configuration of the log.

## Contents

### s3

The configuration for delivering the logs to S3.

Type: [S3LogConfiguration](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# NetworkSettings

A network settings resource that can be associated with a web portal. Once associated with a web portal, network settings define how streaming instances will connect with your specified VPC.

## Contents

### **networkSettingsArn**

The ARN of the network settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: Yes

### **associatedPortalArns**

A list of web portal ARNs that this network settings is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

### **securityGroupIds**

One or more security groups used to control access from streaming instances to your VPC.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\w+\-]+`

Required: No

### **subnetIds**

The subnets in which network interfaces are created to connect streaming instances to your VPC. At least two of these subnets must be in different availability zones.

Type: Array of strings

Array Members: Minimum number of 2 items. Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: subnet-([0-9a-f]{8}|[0-9a-f]{17})

Required: No

### **vpcId**

The VPC that streaming instances will connect to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: vpc-[0-9a-z]\*

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# NetworkSettingsSummary

The summary of network settings.

## Contents

### networkSettingsArn

The ARN of the network settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|,.\@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\_]{36})+`

Required: Yes

### vpclId

The VPC ID of the network settings.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `vpc-[0-9a-z]*`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Portal

The web portal.

## Contents

### portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\/[a-fA-F0-9\ - ]{36})+`

Required: Yes

### additionalEncryptionContext

The additional encryption context of the portal.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `[\s\S]*`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `[\s\S]*`

Required: No

### authenticationType

The type of authentication integration points used when signing into the web portal. Defaults to Standard.

Standard web portals are authenticated directly through your identity provider. You need to call `CreateIdentityProvider` to integrate your identity provider with your web portal. User and group access to your web portal is controlled through your identity provider.

IAM Identity Center web portals are authenticated through AWS IAM Identity Center. Identity sources (including external identity provider integration), plus user and group access to your web portal, can be configured in the IAM Identity Center.

Type: String

Valid Values: Standard | IAM\_Identity\_Center

Required: No

### **browserSettingsArn**

The ARN of the browser settings that is associated with this web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\ - ]{36})+`

Required: No

### **browserType**

The browser that users see when using a streaming session.

Type: String

Valid Values: Chrome

Required: No

### **creationDate**

The creation date of the web portal.

Type: Timestamp

Required: No

### **customerManagedKey**

The customer managed key used to encrypt sensitive information in the portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:kms:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:key\[a-zA-Z0-9-\-]+`

Required: No

### **dataProtectionSettingsArn**

The ARN of the data protection settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\\[a-fA-F0-9\-\-]{36})+`

Required: No

### **displayName**

The name of the web portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `.\+`

Required: No

### **instanceType**

The type and resources of the underlying instance.

Type: String

Valid Values: `standard.regular` | `standard.large` | `standard.xlarge`

Required: No

### **ipAccessSettingsArn**

The ARN of the IP access settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, @- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\ - ]{36})+`

Required: No

### **maxConcurrentSessions**

The maximum number of concurrent sessions for the portal.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5000.

Required: No

### **networkSettingsArn**

The ARN of the network settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, @- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\ - ]{36})+`

Required: No

### **portalCustomDomain**

The custom domain of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

Pattern: `(|[a-zA-Z0-9]?((?!-)([A-Za-z0-9-])*[A-Za-z0-9])\.)+[a-zA-Z0-9]+)`

Required: No

### **portalEndpoint**

The endpoint URL of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 253.

Pattern: (?:[a-z0-9](?:[a-z0-9-]{0,61}[a-z0-9])?\.)+[a-z0-9][a-z0-9-]{0,61}[a-z0-9]

Required: No

### **portalStatus**

The status of the web portal.

Type: String

Valid Values: Incomplete | Pending | Active

Required: No

### **rendererType**

The renderer that is used in streaming sessions.

Type: String

Valid Values: AppStream

Required: No

### **sessionLoggerArn**

The ARN of the session logger that is associated with the portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:[\w+=\./, @-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]\*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\[/a-fA-F0-9\-\-]{36})+

Required: No

### **statusReason**

A message that explains why the web portal is in its current status.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: .\*

Required: No

### **trustStoreArn**

The ARN of the trust store that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]\*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+

Required: No

### **userAccessLoggingSettingsArn**

The ARN of the user access logging settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]\*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+

Required: No

### **userSettingsArn**

The ARN of the user settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:[\w+=\|, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]\*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\-]{36})+

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PortalSummary

The summary of the portal.

## Contents

### portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\ - ]{36})+`

Required: Yes

### authenticationType

The type of authentication integration points used when signing into the web portal. Defaults to Standard.

Standard web portals are authenticated directly through your identity provider. You need to call `CreateIdentityProvider` to integrate your identity provider with your web portal. User and group access to your web portal is controlled through your identity provider.

IAM Identity Center web portals are authenticated through AWS IAM Identity Center. Identity sources (including external identity provider integration), plus user and group access to your web portal, can be configured in the IAM Identity Center.

Type: String

Valid Values: `Standard` | `IAM_Identity_Center`

Required: No

### browserSettingsArn

The ARN of the browser settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

### **browserType**

The browser type of the web portal.

Type: String

Valid Values: Chrome

Required: No

### **creationDate**

The creation date of the web portal.

Type: Timestamp

Required: No

### **dataProtectionSettingsArn**

The ARN of the data protection settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

### **displayName**

The name of the web portal.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: . +

Required: No

### **instanceType**

The type and resources of the underlying instance.

Type: String

Valid Values: `standard.regular` | `standard.large` | `standard.xlarge`

Required: No

### **ipAccessSettingsArn**

The ARN of the IP access settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\ - ]{36})+`

Required: No

### **maxConcurrentSessions**

The maximum number of concurrent sessions for the portal.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 5000.

Required: No

### **networkSettingsArn**

The ARN of the network settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\ - ]{36})+`

Required: No

### **portalCustomDomain**

The custom domain of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

Pattern: (|[a-zA-Z0-9]?((?!-)([A-Za-z0-9-]\*[A-Za-z0-9])\.)+[a-zA-Z0-9]+)

Required: No

### **portalEndpoint**

The endpoint URL of the web portal that users access in order to start streaming sessions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 253.

Pattern: (?:[a-z0-9](?:[a-z0-9-]{0,61}[a-z0-9])?\.)+[a-z0-9][a-z0-9-]{0,61}[a-z0-9]

Required: No

### **portalStatus**

The status of the web portal.

Type: String

Valid Values: Incomplete | Pending | Active

Required: No

### **rendererType**

The renderer that is used in streaming sessions.

Type: String

Valid Values: AppStream

Required: No

## sessionLoggerArn

The ARN of the session logger that is associated with the portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

## trustStoreArn

The ARN of the trust that is associated with this web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

## userAccessLoggingSettingsArn

The ARN of the user access logging settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

## userSettingsArn

The ARN of the user settings that is associated with the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\ - ]{36})+`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# RedactionPlaceholder

The redaction placeholder that will replace the redacted text in session.

## Contents

### redactionPlaceholderType

The redaction placeholder type that will replace the redacted text in session.

Type: String

Valid Values: CustomText

Required: Yes

### redactionPlaceholderText

The redaction placeholder text that will replace the redacted text in session for the custom text redaction placeholder type.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: [`*_-\d\w`]+

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# S3LogConfiguration

The S3 log configuration.

## Contents

### bucket

The S3 bucket name where logs are delivered.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[a-z0-9][\.\-a-z0-9]{1,61}[a-z0-9]`

Required: Yes

### folderStructure

The folder structure that defines the organizational structure for log files in S3.

Type: String

Valid Values: `Flat` | `NestedByDate`

Required: Yes

### logFileFormat

The format of the LogFile that is written to S3.

Type: String

Valid Values: `JSONLines` | `Json`

Required: Yes

### bucketOwner

The expected bucket owner of the target S3 bucket. The caller must have permissions to write to the target bucket.

Type: String

Pattern: [0-9]{12}

Required: No

### **keyPrefix**

The S3 path prefix that determines where log files are stored.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: [\\d\\w\\-\\\_\\/!() . \* ' ]+

Required: No

## **See Also**

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Session

Information about a secure browser session.

## Contents

### **clientIpAddresses**

The IP address of the client.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 45 items.

Length Constraints: Minimum length of 1. Maximum length of 15.

Pattern: ((([0-9]|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5])\.){3}([0-9]|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5]))\$|^(([0-9a-fA-F]{1,4}:){7,7}[0-9a-fA-F]{1,4}|([0-9a-fA-F]{1,4}:){1,7}:|([0-9a-fA-F]{1,4}:){1,6}: [0-9a-fA-F]{1,4}|([0-9a-fA-F]{1,4}:){1,5}(:[0-9a-fA-F]{1,4}){1,2}| ([0-9a-fA-F]{1,4}:){1,4}(:[0-9a-fA-F]{1,4}){1,3}|([0-9a-fA-F]{1,4}:) {1,3}(:[0-9a-fA-F]{1,4}){1,4}|([0-9a-fA-F]{1,4}:){1,2}(:[0-9a-fA-F] {1,4}){1,5}|[0-9a-fA-F]{1,4}:((:[0-9a-fA-F]{1,4}){1,6})|:(:[0-9a-fA-F]{1,4}){1,7}|:)|fe80:(:[0-9a-fA-F]{0,4}){0,4}%[0-9a-zA-Z]{1,}|:: (ffff(:0{1,4}){0,1}:){0,1}((25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9])\. ) {3,3}(25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9]|([0-9a-fA-F]{1,4}:){1,4}: ((25[0-5]|(2[0-4]|1{0,1}[0-9])){0,1}[0-9])\. ) {3,3}(25[0-5]|(2[0-4]|1{0,1} [0-9])){0,1}[0-9]))

Required: No

### **endTime**

The end time of the session.

Type: Timestamp

Required: No

### **portalArn**

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-zA-Z0-9\-\_]{36})+`

Required: No

### **sessionId**

The ID of the session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 131072.

Pattern: `[\s\S]*`

Required: No

### **startTime**

The start time of the session.

Type: Timestamp

Required: No

### **status**

The status of the session.

Type: String

Valid Values: Active | Terminated

Required: No

### **username**

The username of the session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# SessionLogger

The session logger resource.

## Contents

### sessionLoggerArn

The ARN of the session logger resource.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|,.\@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\_]{36})+`

Required: Yes

### additionalEncryptionContext

The additional encryption context of the session logger.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `[\s\S]*`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `[\s\S]*`

Required: No

### associatedPortalArns

The associated portal ARN.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\|,.\@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\|[a-fA-F0-9\-\_]{36})+`

Required: No

### **creationDate**

The date the session logger resource was created.

Type: Timestamp

Required: No

### **customerManagedKey**

The custom managed key of the session logger.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@- ]+ : kms:[a-zA-Z0-9\-\ ]* : [a-zA-Z0-9]{1,12} : key\/[a-zA-Z0-9- ]+`

Required: No

### **displayName**

The human-readable display name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[ _\-\d\w ]+`

Required: No

### **eventFilter**

The filter that specifies which events to monitor.

Type: [EventFilter](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

### **logConfiguration**

The configuration that specifies where logs are forwarded.

Type: [LogConfiguration](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# SessionLoggerSummary

The summary of the session logger resource.

## Contents

### sessionLoggerArn

The ARN of the session logger resource.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\ - ]{36})+`

Required: Yes

### creationDate

The date the session logger resource was created.

Type: Timestamp

Required: No

### displayName

The human-readable display name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[ _\-\d\w ]+`

Required: No

### logConfiguration

The configuration that specifies where the logs are forwarded.

Type: [LogConfiguration](#) object

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# SessionSummary

Summary information about a secure browser session.

## Contents

### endTime

The end time of the session.

Type: Timestamp

Required: No

### portalArn

The ARN of the web portal.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

### sessionId

The ID of the session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 131072.

Pattern: `[\s\S]*`

Required: No

### startTime

The start time of the session.

Type: Timestamp

Required: No

### status

The status of the session.

Type: String

Valid Values: Active | Terminated

Required: No

### username

The username of the session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Tag

The tag.

## Contents

### Key

The key of the tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: (`([\p{L}\p{Z}\p{N}_ . :/=+\-@]*)`)

Required: Yes

### Value

The value of the tag

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: (`([\p{L}\p{Z}\p{N}_ . :/=+\-@]*)`)

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ToolbarConfiguration

The configuration of the toolbar. This allows administrators to select the toolbar type and visual mode, set maximum display resolution for sessions, and choose which items are visible to end users during their sessions. If administrators do not modify these settings, end users retain control over their toolbar preferences.

## Contents

### hiddenToolbarItems

The list of toolbar items to be hidden.

Type: Array of strings

Valid Values: `Windows` | `DualMonitor` | `FullScreen` | `Webcam` | `Microphone`

Required: No

### maxDisplayResolution

The maximum display resolution that is allowed for the session.

Type: String

Valid Values: `size4096X2160` | `size3840X2160` | `size3440X1440` | `size2560X1440`  
| `size1920X1080` | `size1280X720` | `size1024X768` | `size800X600`

Required: No

### toolbarType

The type of toolbar displayed during the session.

Type: String

Valid Values: `Floating` | `Docked`

Required: No

### visualMode

The visual mode of the toolbar.

Type: String

Valid Values: Dark | Light

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# TrustStore

A trust store that can be associated with a web portal. A trust store contains certificate authority (CA) certificates. Once associated with a web portal, the browser in a streaming session will recognize certificates that have been issued using any of the CAs in the trust store. If your organization has internal websites that use certificates issued by private CAs, you should add the private CA certificate to the trust store.

## Contents

### trustStoreArn

The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: Yes

### associatedPortalArns

A list of web portal ARNs that this trust store is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# TrustStoreSummary

The summary of the trust store.

## Contents

### trustStoreArn

The ARN of the trust store.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# UserAccessLoggingSettings

A user access logging settings resource that can be associated with a web portal.

## Contents

### **userAccessLoggingSettingsArn**

The ARN of the user access logging settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: Yes

### **associatedPortalArns**

A list of web portal ARNs that this user access logging settings is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

### **kinesisStreamArn**

The ARN of the Kinesis stream.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=/, .@-]+:kinesis:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:stream/.`  
+

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# UserAccessLoggingSettingsSummary

The summary of user access logging settings.

## Contents

### userAccessLoggingSettingsArn

The ARN of the user access logging settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, @- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\.[a-fA-F0-9\ - ]{36})+`

Required: Yes

### kinesisStreamArn

The ARN of the Kinesis stream.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=/., @- ]+ :kinesis:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:stream/.+`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# UserSettings

A user settings resource that can be associated with a web portal. Once associated with a web portal, user settings control how users can transfer data between a streaming session and the their local devices.

## Contents

### **userSettingsArn**

The ARN of the user settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\ - ]{36})+`

Required: Yes

### **additionalEncryptionContext**

The additional encryption context of the user settings.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 131072.

Key Pattern: `[\s\S]*`

Value Length Constraints: Minimum length of 0. Maximum length of 131072.

Value Pattern: `[\s\S]*`

Required: No

### **associatedPortalArns**

A list of web portal ARNs that this user settings is associated with.

Type: Array of strings

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\-]{36})+`

Required: No

### **brandingConfiguration**

The branding configuration output that customizes the appearance of the web portal for end users.

Type: [BrandingConfiguration](#) object

Required: No

### **cookieSynchronizationConfiguration**

The configuration that specifies which cookies should be synchronized from the end user's local browser to the remote browser.

Type: [CookieSynchronizationConfiguration](#) object

Required: No

### **copyAllowed**

Specifies whether the user can copy text from the streaming session to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **customerManagedKey**

The customer managed key used to encrypt sensitive information in the user settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:kms:[a-zA-Z0-9\-\-]*:[a-zA-Z0-9]{1,12}:key\#[a-zA-Z0-9\-\-]+`

Required: No

## **deepLinkAllowed**

Specifies whether the user can use deep links that open automatically when connecting to a session.

Type: String

Valid Values: Disabled | Enabled

Required: No

## **disconnectTimeoutInMinutes**

The amount of time that a streaming session remains active after users disconnect.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 600.

Required: No

## **downloadAllowed**

Specifies whether the user can download files from the streaming session to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

## **idleDisconnectTimeoutInMinutes**

The amount of time that users can be idle (inactive) before they are disconnected from their streaming session and the disconnect timeout interval begins.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 60.

Required: No

## **pasteAllowed**

Specifies whether the user can paste text from the local device to the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **printAllowed**

Specifies whether the user can print to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **toolbarConfiguration**

The configuration of the toolbar. This allows administrators to select the toolbar type and visual mode, set maximum display resolution for sessions, and choose which items are visible to end users during their sessions. If administrators do not modify these settings, end users retain control over their toolbar preferences.

Type: [ToolbarConfiguration](#) object

Required: No

### **uploadAllowed**

Specifies whether the user can upload files from the local device to the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **webAuthnAllowed**

Specifies whether the user can use WebAuthn redirection for passwordless login to websites within the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# UserSettingsSummary

The summary of user settings.

## Contents

### userSettingsArn

The ARN of the user settings.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, .@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[a-zA-Z0-9]{1,12}:[a-zA-Z]+(\#[a-fA-F0-9\-\_]{36})+`

Required: Yes

### brandingConfiguration

The branding configuration output that customizes the appearance of the web portal for end users.

Type: [BrandingConfiguration](#) object

Required: No

### cookieSynchronizationConfiguration

The configuration that specifies which cookies should be synchronized from the end user's local browser to the remote browser.

Type: [CookieSynchronizationConfiguration](#) object

Required: No

### copyAllowed

Specifies whether the user can copy text from the streaming session to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **deepLinkAllowed**

Specifies whether the user can use deep links that open automatically when connecting to a session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **disconnectTimeoutInMinutes**

The amount of time that a streaming session remains active after users disconnect.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 600.

Required: No

### **downloadAllowed**

Specifies whether the user can download files from the streaming session to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **idleDisconnectTimeoutInMinutes**

The amount of time that users can be idle (inactive) before they are disconnected from their streaming session and the disconnect timeout interval begins.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 60.

Required: No

### **pasteAllowed**

Specifies whether the user can paste text from the local device to the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **printAllowed**

Specifies whether the user can print to the local device.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **toolbarConfiguration**

The configuration of the toolbar. This allows administrators to select the toolbar type and visual mode, set maximum display resolution for sessions, and choose which items are visible to end users during their sessions. If administrators do not modify these settings, end users retain control over their toolbar preferences.

Type: [ToolbarConfiguration](#) object

Required: No

### **uploadAllowed**

Specifies whether the user can upload files from the local device to the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

### **webAuthnAllowed**

Specifies whether the user can use WebAuthn redirection for passwordless login to websites within the streaming session.

Type: String

Valid Values: Disabled | Enabled

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ValidationExceptionField

Information about a field passed inside a request that resulted in an exception.

## Contents

### message

The message describing why the field failed validation.

Type: String

Required: Yes

### name

The name of the field that failed validation.

Type: String

Required: Yes

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# WallpaperImageInput

The input for a wallpaper image. Provide the image as either a binary image file or an S3 URI. Maximum 5 MB in JPEG or PNG format.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### blob

The image provided as a binary image file.

Type: Base64-encoded binary data object

Length Constraints: Minimum length of 0. Maximum length of 5242880.

Required: No

### s3Uri

The S3 URI pointing to the image file. The URI must use the format `s3://bucket-name/key-name`. You must have read access to the S3 object.

Type: String

Pattern: `s3://[a-z0-9][a-z0-9\.\-]{1,61}[a-z0-9]/.+`

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# WebContentFilteringPolicy

The policy that specifies which URLs end users are allowed to access or which URLs or domain categories they are restricted from accessing for enhanced security.

## Contents

### allowedUrls

URLs and domains that are always accessible to end users.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Pattern: `((([a-zA-Z][a-zA-Z0-9+.-]*)\:\/\/(\*|[\w%._\-\+\~#=e]+)?(\\/[^\s]*)?(?:\?([\^*\s]+(?:\?*))?)|(\*|[\w%._\-\+\~#=e]+\.[\w%._\-\+\~#=e]+)(?::(\d{1,5}))?\\/[^\s]*)?(?:\?([\^*\s]+(?:\?*))?)|((([a-zA-Z][a-zA-Z0-9+.-]*)\:\/\/)?\*))`

Required: No

### blockedCategories

Categories of websites that are blocked on the end user's browsers.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Valid Values: Cults | Gambling | Nudity | Pornography | SexEducation | Tasteless | Violence | DownloadSites | ImageSharing | PeerToPeer | StreamingMediaAndDownloads | GenerativeAI | CriminalActivity | Hacking | HateAndIntolerance | IllegalDrug | IllegalSoftware | SchoolCheating | SelfHarm | Weapons | Chat | Games | InstantMessaging | ProfessionalNetwork | SocialNetworking | WebBasedEmail | ParkedDomains

Required: No

### blockedUrls

URLs and domains that end users cannot access.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 1000 items.

Pattern: ((([a-zA-Z][a-zA-Z0-9+.-]\*)\\:\\\\(\\" | [\\w%. \_ \\- \\+ ~ # = @ ] + ) ? ( \\ [ ^ @ \\s ] \* ) ? ( ? : \\ ? ( [ ^ \* \\s ] + ( ? : \\ \* ? ) ) ) ? ) | ( \\" | [\\w%. \_ \\- \\+ ~ # = @ ] + \\. [\\w%. \_ \\- \\+ ~ # = @ ] + ) ( ? : : ( \\d { 1 , 5 } ) ) ? ( \\ [ ^ @ \\s ] \* ) ? ( ? : \\ ? ( [ ^ \* \\s ] + ( ? : \\ \* ? ) ) ) ? | ( ( [ a - z A - Z ] [ a - z A - Z 0 - 9 + . - ] \* ) : ( \\ \\ \\ ) ? \\" \* ) )

Required: No

## See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

## 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