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# Amazon WorkLink

## API Reference

**API Version 2018-09-25**



## **Amazon WorkLink: API Reference**

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# Welcome

Amazon WorkLink is a cloud-based service that provides secure access to internal websites and web apps from iOS phones. In a single step, your users, such as employees, can access internal websites as efficiently as they access any other public website. They enter a URL in their web browser, or choose a link to an internal website in an email. Amazon WorkLink authenticates the user's access and securely renders authorized internal web content in a secure rendering service in the AWS cloud. Amazon WorkLink doesn't download or store any internal web content on mobile devices.

This document was last published on May 22, 2019.



# Actions

The following actions are supported:

- [AssociateDomain](#) (p. 3)
- [AssociateWebsiteCertificateAuthority](#) (p. 6)
- [CreateFleet](#) (p. 9)
- [DeleteFleet](#) (p. 12)
- [DescribeAuditStreamConfiguration](#) (p. 14)
- [DescribeCompanyNetworkConfiguration](#) (p. 16)
- [DescribeDevice](#) (p. 19)
- [DescribeDevicePolicyConfiguration](#) (p. 23)
- [DescribeDomain](#) (p. 25)
- [DescribeFleetMetadata](#) (p. 28)
- [DescribeIdentityProviderConfiguration](#) (p. 31)
- [DescribeWebsiteCertificateAuthority](#) (p. 34)
- [DisassociateDomain](#) (p. 37)
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- [ListDevices](#) (p. 41)
- [ListDomains](#) (p. 44)
- [ListFleets](#) (p. 47)
- [ListWebsiteCertificateAuthorities](#) (p. 50)
- [RestoreDomainAccess](#) (p. 53)
- [RevokeDomainAccess](#) (p. 55)
- [SignOutUser](#) (p. 57)
- [UpdateAuditStreamConfiguration](#) (p. 59)
- [UpdateCompanyNetworkConfiguration](#) (p. 61)
- [UpdateDevicePolicyConfiguration](#) (p. 64)
- [UpdateDomainMetadata](#) (p. 66)
- [UpdateFleetMetadata](#) (p. 68)
- [UpdateIdentityProviderConfiguration](#) (p. 70)

# AssociateDomain

Specifies a domain to be associated to Amazon WorkLink.

## Request Syntax

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

{
  "AcmCertificateArn": "string",
  "DisplayName": "string",
  "DomainName": "string",
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### AcmCertificateArn (p. 3)

The ARN of an issued ACM certificate that is valid for the domain being associated.

Type: String

Pattern: `arn:[\w+/, .@-]+:[\w+/, .@-]+:[\w+/, .@-]*:[0-9]+:[\w+=, .@-]+(\/[\w+/, .@-]+)*`

Required: Yes

### DisplayName (p. 3)

The name to display.

Type: String

Length Constraints: Maximum length of 100.

Required: No

### DomainName (p. 3)

The fully qualified domain name (FQDN).

Type: String

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

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

Required: Yes

### FleetArn (p. 3)

The Amazon Resource Name (ARN) of the fleet.

Type: String

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

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 \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceAlreadyExistsException**

The resource already exists.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

- [AWS Command Line Interface](#)

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

# AssociateWebsiteCertificateAuthority

Imports the root certificate of a certificate authority (CA) used to obtain TLS certificates used by associated websites within the company network.

## Request Syntax

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

{
  "Certificate": "string",
  "DisplayName": "string",
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### Certificate (p. 6)

The root certificate of the CA.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Pattern: `-{5}BEGIN CERTIFICATE-{5}\u00D?\u000A([A-Za-z0-9/+] {64}\u00D?\u000A)*[A-Za-z0-9/+] {1,64}={0,2}\u00D?\u000A-{5}END CERTIFICATE-{5}(\u00D?\u000A)?`

Required: Yes

### DisplayName (p. 6)

The certificate name to display.

Type: String

Length Constraints: Maximum length of 100.

Required: No

### FleetArn (p. 6)

The ARN of the fleet.

Type: String

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

Required: Yes

## Response Syntax

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

{
  "WebsiteCaId": "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.

### **WebsiteCaId** (p. 7)

A unique identifier for the CA.

Type: String

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

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 80).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceAlreadyExistsException**

The resource already exists.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# CreateFleet

Creates a fleet. A fleet consists of resources and the configuration that delivers associated websites to authorized users who download and set up the Amazon WorkLink app.

## Request Syntax

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

{
  "DisplayName": "string",
  "FleetName": "string",
  "OptimizeForEndUserLocation": boolean
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### DisplayName (p. 9)

The fleet name to display.

Type: String

Length Constraints: Maximum length of 100.

Required: No

### FleetName (p. 9)

A unique name for the fleet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `^[a-z0-9](?:[a-z0-9\-\]{0,46}[a-z0-9])?#$`

Required: Yes

### OptimizeForEndUserLocation (p. 9)

The option to optimize for better performance by routing traffic through the closest AWS Region to users, which may be outside of your home Region.

Type: Boolean

Required: No

## Response Syntax

```
HTTP/1.1 200
```



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

```
{  
  "FleetArn": "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.

### **FleetArn** (p. 9)

The ARN of the fleet.

Type: String

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

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceAlreadyExistsException**

The resource already exists.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# DeleteFleet

Deletes a fleet. Prevents users from accessing previously associated websites.

## Request Syntax

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

{
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### FleetArn (p. 12)

The ARN of the fleet.

Type: String

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

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 \(p. 80\)](#).

### InternalServerErrorException

The service is temporarily unavailable.

HTTP Status Code: 500

### InvalidRequestException

The request is not valid.

HTTP Status Code: 400

**ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

**TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

**UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

Describes the configuration for delivering audit streams to the customer account.

## Request Syntax

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

{
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### FleetArn (p. 14)

The ARN of the fleet.

Type: String

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

Required: Yes

## Response Syntax

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

{
  "AuditStreamArn": "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.

### AuditStreamArn (p. 14)

The ARN of the Amazon Kinesis data stream that will receive the audit events.

Type: String

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# DescribeCompanyNetworkConfiguration

Describes the networking configuration to access the internal websites associated with the specified fleet.

## Request Syntax

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

```
{  
  "FleetArn": "string"  
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### FleetArn (p. 16)

The ARN of the fleet.

Type: String

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

Required: Yes

## Response Syntax

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

```
{  
  "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.

### SecurityGroupIds (p. 16)

The security groups associated with access to the provided subnets.

Type: Array of strings

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

#### **SubnetIds (p. 16)**

The subnets used for X-ENI connections from Amazon WorkLink rendering containers.

Type: Array of strings

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

#### **VpcId (p. 16)**

The VPC with connectivity to associated websites.

Type: String

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

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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



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

# DescribeDevice

Provides information about a user's device.

## Request Syntax

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

{
  "DeviceId": "string",
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### DeviceId (p. 19)

A unique identifier for a registered user's device.

Type: String

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

Required: Yes

### FleetArn (p. 19)

The ARN of the fleet.

Type: String

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

Required: Yes

## Response Syntax

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

{
  "FirstAccessedTime": number,
  "LastAccessedTime": number,
  "Manufacturer": "string",
  "Model": "string",
  "OperatingSystem": "string",
  "OperatingSystemVersion": "string",
  "PatchLevel": "string",
  "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.

### **FirstAccessedTime** (p. 19)

The date that the device first signed in to Amazon WorkLink.

Type: Timestamp

### **LastAccessedTime** (p. 19)

The date that the device last accessed Amazon WorkLink.

Type: Timestamp

### **Manufacturer** (p. 19)

The manufacturer of the device.

Type: String

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

### **Model** (p. 19)

The model of the device.

Type: String

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

### **OperatingSystem** (p. 19)

The operating system of the device.

Type: String

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

### **OperatingSystemVersion** (p. 19)

The operating system version of the device.

Type: String

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

### **PatchLevel** (p. 19)

The operating system patch level of the device.

Type: String

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

### **Status** (p. 19)

The current state of the device.

Type: String

Valid Values: ACTIVE | SIGNED\_OUT

### **Username (p. 19)**

The user name associated with the device.

Type: String

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

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
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- [AWS SDK for Ruby V2](#)



# DescribeDevicePolicyConfiguration

Describes the device policy configuration for the specified fleet.

## Request Syntax

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

{
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### FleetArn (p. 23)

The ARN of the fleet.

Type: String

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

Required: Yes

## Response Syntax

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

{
  "DeviceCaCertificate": "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.

### DeviceCaCertificate (p. 23)

The certificate chain, including intermediate certificates and the root certificate authority certificate used to issue device certificates.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

```
Pattern: -{5}BEGIN CERTIFICATE-{5}\u00D?\u00A([A-Za-z0-9/+] {64}\u00D?  
\u00A)*[A-Za-z0-9/+] {1,64}={0,2}\u00D?\u00A-{5}END CERTIFICATE-{5}  
(\u00D?\u00A)?
```

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# DescribeDomain

Provides information about the domain.

## Request Syntax

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

{
  "DomainName": "string",
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### DomainName (p. 25)

The name of the domain.

Type: String

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

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

Required: Yes

### FleetArn (p. 25)

The ARN of the fleet.

Type: String

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

Required: Yes

## Response Syntax

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

{
  "CreatedTime": number,
  "DisplayName": "string",
  "DomainStatus": "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.

### **CreatedTime** (p. 25)

The time that the domain was added.

Type: Timestamp

### **DisplayName** (p. 25)

The name to display.

Type: String

Length Constraints: Maximum length of 100.

### **DomainStatus** (p. 25)

The current state for the domain.

Type: String

Valid Values: PENDING\_VALIDATION | ASSOCIATING | ACTIVE | INACTIVE  
| DISASSOCIATING | DISASSOCIATED | FAILED\_TO\_ASSOCIATE |  
FAILED\_TO\_DISASSOCIATE

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

## DescribeFleetMetadata

Provides basic information for the specified fleet, excluding identity provider, networking, and device configuration details.

### Request Syntax

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

{
  "FleetArn": "string"
}
```

### URI Request Parameters

The request does not use any URI parameters.

### Request Body

The request accepts the following data in JSON format.

#### FleetArn (p. 28)

The ARN of the fleet.

Type: String

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

Required: Yes

### Response Syntax

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

{
  "CompanyCode": "string",
  "CreatedTime": number,
  "DisplayName": "string",
  "FleetName": "string",
  "FleetStatus": "string",
  "LastUpdatedTime": number,
  "OptimizeForEndUserLocation": boolean
}
```

### 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.

### **CompanyCode (p. 28)**

The identifier used by users to sign in to the Amazon WorkLink app.

Type: String

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

### **CreatedTime (p. 28)**

The time that the fleet was created.

Type: Timestamp

### **DisplayName (p. 28)**

The name to display.

Type: String

Length Constraints: Maximum length of 100.

### **FleetName (p. 28)**

The name of the fleet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `^[a-z0-9](?:[a-z0-9\-\]{0,46}[a-z0-9])?#$`

### **FleetStatus (p. 28)**

The current state of the fleet.

Type: String

Valid Values: `CREATING | ACTIVE | DELETING | DELETED | FAILED_TO_CREATE | FAILED_TO_DELETE`

### **LastUpdatedTime (p. 28)**

The time that the fleet was last updated.

Type: Timestamp

### **OptimizeForEndUserLocation (p. 28)**

The option to optimize for better performance by routing traffic through the closest AWS Region to users, which may be outside of your home Region.

Type: Boolean

## **Errors**

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

#### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

#### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

#### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

#### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# DescribeIdentityProviderConfiguration

Describes the identity provider configuration of the specified fleet.

## Request Syntax

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

{
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### FleetArn (p. 31)

The ARN of the fleet.

Type: String

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

Required: Yes

## Response Syntax

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

{
  "IdentityProviderSamlMetadata": "string",
  "IdentityProviderType": "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.

### IdentityProviderSamlMetadata (p. 31)

The SAML metadata document provided by the user's identity provider.

Type: String

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

#### **IdentityProviderType (p. 31)**

The type of identity provider.

Type: String

Valid Values: `SAML`

#### **ServiceProviderSamlMetadata (p. 31)**

The SAML metadata document uploaded to the user's identity provider.

Type: String

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

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

#### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

#### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

#### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

#### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

#### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

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



# DescribeWebsiteCertificateAuthority

Provides information about the certificate authority.

## Request Syntax

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

{
  "FleetArn": "string",
  "WebsiteCaId": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### FleetArn (p. 34)

The ARN of the fleet.

Type: String

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

Required: Yes

### WebsiteCaId (p. 34)

A unique identifier for the certificate authority.

Type: String

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

Required: Yes

## Response Syntax

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

{
  "Certificate": "string",
  "CreatedTime": number,
  "DisplayName": "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 (p. 34)**

The root certificate of the certificate authority.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8192.

Pattern: `-{5}BEGIN CERTIFICATE-{5}\u00D?\u000A([A-Za-z0-9/+]{64}\u00D?\u000A)*[A-Za-z0-9/+]{1,64}={0,2}\u00D?\u000A-{5}END CERTIFICATE-{5}\u00D?\u000A)?`

#### **CreatedTime (p. 34)**

The time that the certificate authority was added.

Type: Timestamp

#### **DisplayName (p. 34)**

The certificate name to display.

Type: String

Length Constraints: Maximum length of 100.

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

#### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

#### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

#### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

#### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

#### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# DisassociateDomain

Disassociates a domain from Amazon WorkLink. End users lose the ability to access the domain with Amazon WorkLink.

## Request Syntax

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

{
  "DomainName": "string",
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### DomainName (p. 37)

The name of the domain.

Type: String

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

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

Required: Yes

### FleetArn (p. 37)

The ARN of the fleet.

Type: String

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

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 \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# DisassociateWebsiteCertificateAuthority

Removes a certificate authority (CA).

## Request Syntax

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

{
  "FleetArn": "string",
  "WebsiteCaId": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### [FleetArn \(p. 39\)](#)

The ARN of the fleet.

Type: String

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

Required: Yes

### [WebsiteCaId \(p. 39\)](#)

A unique identifier for the CA.

Type: String

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

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 \(p. 80\)](#).

**InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

**InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

**ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

**TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

**UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

## ListDevices

Retrieves a list of devices registered with the specified fleet.

### Request Syntax

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

{
  "FleetArn": "string",
  "MaxResults": number,
  "NextToken": "string"
}
```

### URI Request Parameters

The request does not use any URI parameters.

### Request Body

The request accepts the following data in JSON format.

#### FleetArn (p. 41)

The ARN of the fleet.

Type: String

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

Required: Yes

#### MaxResults (p. 41)

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

Type: Integer

Valid Range: Minimum value of 1.

Required: No

#### NextToken (p. 41)

The pagination token used to retrieve the next page of results for this operation. If this value is null, it retrieves the first page.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: [ \w\-\ ]+

Required: No

### Response Syntax

```
HTTP/1.1 200
```



```
Content-type: application/json

{
  "Devices": [
    {
      "DeviceId": "string",
      "DeviceStatus": "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.

### Devices (p. 41)

Information about the devices.

Type: Array of [DeviceSummary \(p. 73\)](#) objects

### NextToken (p. 41)

The pagination token used to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: `[\w\ - ]+`

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

### InternalServerErrorException

The service is temporarily unavailable.

HTTP Status Code: 500

### InvalidRequestException

The request is not valid.

HTTP Status Code: 400

### ResourceNotFoundException

The requested resource was not found.

HTTP Status Code: 404

### TooManyRequestsException

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# ListDomains

Retrieves a list of domains associated to a specified fleet.

## Request Syntax

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

{
  "FleetArn": "string",
  "MaxResults": number,
  "NextToken": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### FleetArn (p. 44)

The ARN of the fleet.

Type: String

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

Required: Yes

### MaxResults (p. 44)

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

Type: Integer

Valid Range: Minimum value of 1.

Required: No

### NextToken (p. 44)

The pagination token used to retrieve the next page of results for this operation. If this value is null, it retrieves the first page.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: [`\w\-`]+

Required: No

## Response Syntax

```
HTTP/1.1 200
```

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

```
{
  "Domains": [
    {
      "CreatedTime": number,
      "DisplayName": "string",
      "DomainName": "string",
      "DomainStatus": "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.

### Domains (p. 44)

Information about the domains.

Type: Array of [DomainSummary \(p. 74\)](#) objects

### NextToken (p. 44)

The pagination token used to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: [*w\-*]+

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

### InternalServerErrorException

The service is temporarily unavailable.

HTTP Status Code: 500

### InvalidRequestException

The request is not valid.

HTTP Status Code: 400

### TooManyRequestsException

The number of requests exceeds the limit.

HTTP Status Code: 429

### UnauthorizedException

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# ListFleets

Retrieves a list of fleets for the current account and Region.

## Request Syntax

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

```
{  
  "MaxResults": number,  
  "NextToken": "string"  
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### MaxResults (p. 47)

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

Type: Integer

Valid Range: Minimum value of 1.

Required: No

### NextToken (p. 47)

The pagination token used to retrieve the next page of results for this operation. If this value is null, it retrieves the first page.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: [*w*\-]+

Required: No

## Response Syntax

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

```
{  
  "FleetSummaryList": [  
    {  
      "CompanyCode": "string",  
      "CreatedTime": number,  
    }  
  ]  
}
```

```
    "DisplayName": "string",  
    "FleetArn": "string",  
    "FleetName": "string",  
    "FleetStatus": "string",  
    "LastUpdatedTime": number  
  }  
],  
"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.

### **FleetSummaryList** (p. 47)

The summary list of the fleets.

Type: Array of [FleetSummary](#) (p. 75) objects

### **NextToken** (p. 47)

The pagination token used to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: [`\w\-`]+

## Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 80).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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



# ListWebsiteCertificateAuthorities

Retrieves a list of certificate authorities added for the current account and Region.

## Request Syntax

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

{
  "FleetArn": "string",
  "MaxResults": number,
  "NextToken": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### FleetArn (p. 50)

The ARN of the fleet.

Type: String

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

Required: Yes

### MaxResults (p. 50)

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

Type: Integer

Valid Range: Minimum value of 1.

Required: No

### NextToken (p. 50)

The pagination token used to retrieve the next page of results for this operation. If this value is null, it retrieves the first page.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: [ \w\-\ ]+

Required: No

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "NextToken": "string",
  "WebsiteCertificateAuthorities": [
    {
      "CreatedTime": number,
      "DisplayName": "string",
      "WebsiteCaId": "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 \(p. 50\)](#)

The pagination token used to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Pattern: [ \w\ - ]+

### [WebsiteCertificateAuthorities \(p. 50\)](#)

Information about the certificates.

Type: Array of [WebsiteCaSummary \(p. 77\)](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# RestoreDomainAccess

Moves a domain to ACTIVE status if it was in the INACTIVE status.

## Request Syntax

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

{
  "DomainName": "string",
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### DomainName (p. 53)

The name of the domain.

Type: String

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

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

Required: Yes

### FleetArn (p. 53)

The ARN of the fleet.

Type: String

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

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 \(p. 80\)](#).

**InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

**InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

**ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

**TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

**UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# RevokeDomainAccess

Moves a domain to INACTIVE status if it was in the ACTIVE status.

## Request Syntax

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

{
  "DomainName": "string",
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### DomainName (p. 55)

The name of the domain.

Type: String

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

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

Required: Yes

### FleetArn (p. 55)

The ARN of the fleet.

Type: String

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

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 \(p. 80\)](#).

**InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

**InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

**ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

**TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

**UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# SignOutUser

Signs the user out from all of their devices. The user can sign in again if they have valid credentials.

## Request Syntax

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

{
  "FleetArn": "string",
  "Username": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### [FleetArn \(p. 57\)](#)

The ARN of the fleet.

Type: String

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

Required: Yes

### [Username \(p. 57\)](#)

The name of the user.

Type: String

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

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 \(p. 80\)](#).



#### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

#### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

#### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

#### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

#### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# UpdateAuditStreamConfiguration

Updates the audit stream configuration for the fleet.

## Request Syntax

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

{
  "AuditStreamArn": "string",
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### **AuditStreamArn** (p. 59)

The ARN of the Amazon Kinesis data stream that receives the audit events.

Type: String

Required: No

### **FleetArn** (p. 59)

The ARN of the fleet.

Type: String

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

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](#) (p. 80).

#### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

#### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

#### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

#### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

#### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# UpdateCompanyNetworkConfiguration

Updates the company network configuration for the fleet.

## Request Syntax

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

{
  "FleetArn": "string",
  "SecurityGroupIds": [ "string" ],
  "SubnetIds": [ "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.

### FleetArn (p. 61)

The ARN of the fleet.

Type: String

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

Required: Yes

### SecurityGroupIds (p. 61)

The security groups associated with access to the provided subnets.

Type: Array of strings

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

Required: Yes

### SubnetIds (p. 61)

The subnets used for X-ENI connections from Amazon WorkLink rendering containers.

Type: Array of strings

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

Required: Yes

### VpcId (p. 61)

The VPC with connectivity to associated websites.

Type: String

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

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 \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

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

# UpdateDevicePolicyConfiguration

Updates the device policy configuration for the fleet.

## Request Syntax

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

{
  "DeviceCaCertificate": "string",
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### DeviceCaCertificate (p. 64)

The certificate chain, including intermediate certificates and the root certificate authority certificate used to issue device certificates.

Type: String

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

Pattern: (-{5}BEGIN CERTIFICATE-{5}\u000D?\u000A([A-Za-z0-9/+] {64}\u000D?\u000A)\*[A-Za-z0-9/+] {1,64}={0,2}\u000D?\u000A-{5}END CERTIFICATE-{5}\u000D?\u000A)\*-{5}BEGIN CERTIFICATE-{5}\u000D?\u000A([A-Za-z0-9/+] {64}\u000D?\u000A)\*[A-Za-z0-9/+] {1,64}={0,2}\u000D?\u000A-{5}END CERTIFICATE-{5}(\u000D?\u000A)?

Required: No

### FleetArn (p. 64)

The ARN of the fleet.

Type: String

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

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 \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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



# UpdateDomainMetadata

Updates domain metadata, such as DisplayName.

## Request Syntax

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

{
  "DisplayName": "string",
  "DomainName": "string",
  "FleetArn": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### DisplayName (p. 66)

The name to display.

Type: String

Length Constraints: Maximum length of 100.

Required: No

### DomainName (p. 66)

The name of the domain.

Type: String

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

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

Required: Yes

### FleetArn (p. 66)

The ARN of the fleet.

Type: String

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

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 \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# UpdateFleetMetadata

Updates fleet metadata, such as DisplayName.

## Request Syntax

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

{
  "DisplayName": "string",
  "FleetArn": "string",
  "OptimizeForEndUserLocation": boolean
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### DisplayName (p. 68)

The fleet name to display. The existing DisplayName is unset if null is passed.

Type: String

Length Constraints: Maximum length of 100.

Required: No

### FleetArn (p. 68)

The ARN of the fleet.

Type: String

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

Required: Yes

### OptimizeForEndUserLocation (p. 68)

The option to optimize for better performance by routing traffic through the closest AWS Region to users, which may be outside of your home Region.

Type: Boolean

Required: No

## 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 \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# UpdateIdentityProviderConfiguration

Updates the identity provider configuration for the fleet.

## Request Syntax

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

{
  "FleetArn": "string",
  "IdentityProviderSamlMetadata": "string",
  "IdentityProviderType": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### FleetArn (p. 70)

The ARN of the fleet.

Type: String

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

Required: Yes

### IdentityProviderSamlMetadata (p. 70)

The SAML metadata document provided by the customer's identity provider. The existing IdentityProviderSamlMetadata is unset if null is passed.

Type: String

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

Required: No

### IdentityProviderType (p. 70)

The type of identity provider.

Type: String

Valid Values: SAML

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 \(p. 80\)](#).

### **InternalServerErrorException**

The service is temporarily unavailable.

HTTP Status Code: 500

### **InvalidRequestException**

The request is not valid.

HTTP Status Code: 400

### **ResourceNotFoundException**

The requested resource was not found.

HTTP Status Code: 404

### **TooManyRequestsException**

The number of requests exceeds the limit.

HTTP Status Code: 429

### **UnauthorizedException**

You are not authorized to perform this action.

HTTP Status Code: 403

## See Also

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

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

# Data Types

The Amazon WorkLink 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:

- [DeviceSummary](#) (p. 73)
- [DomainSummary](#) (p. 74)
- [FleetSummary](#) (p. 75)
- [WebsiteCaSummary](#) (p. 77)

# DeviceSummary

The summary of devices.

## Contents

### DeviceId

The ID of the device.

Type: String

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

Required: No

### DeviceStatus

The status of the device.

Type: String

Valid Values: `ACTIVE` | `SIGNED_OUT`

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 Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)



# DomainSummary

The summary of the domain.

## Contents

### CreatedTime

The time that the domain was created.

Type: Timestamp

Required: Yes

### DisplayName

The name to display.

Type: String

Length Constraints: Maximum length of 100.

Required: No

### DomainName

The name of the domain.

Type: String

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

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

Required: Yes

### DomainStatus

The status of the domain.

Type: String

Valid Values: `PENDING_VALIDATION | ASSOCIATING | ACTIVE | INACTIVE | DISASSOCIATING | DISASSOCIATED | FAILED_TO_ASSOCIATE | FAILED_TO_DISASSOCIATE`

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 Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

# FleetSummary

The summary of the fleet.

## Contents

### **CompanyCode**

The identifier used by users to sign into the Amazon WorkLink app.

Type: String

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

Required: No

### **CreatedTime**

The time when the fleet was created.

Type: Timestamp

Required: No

### **DisplayName**

The name to display.

Type: String

Length Constraints: Maximum length of 100.

Required: No

### **FleetArn**

The ARN of the fleet.

Type: String

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

Required: No

### **FleetName**

The name of the fleet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 48.

Pattern: `^[a-z0-9](?:[a-z0-9\-\]{0,46}[a-z0-9])?#$`

Required: No

### **FleetStatus**

The status of the fleet.

Type: String

Valid Values: `CREATING | ACTIVE | DELETING | DELETED | FAILED_TO_CREATE | FAILED_TO_DELETE`

Required: No

**LastUpdatedTime**

The time when the fleet was last updated.

Type: Timestamp

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 Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

# WebsiteCaSummary

The summary of the certificate authority (CA).

## Contents

### **CreatedTime**

The time when the CA was added.

Type: Timestamp

Required: No

### **DisplayName**

The name to display.

Type: String

Length Constraints: Maximum length of 100.

Required: No

### **WebsiteCald**

A unique identifier for the CA.

Type: String

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

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 Go](#)
- [AWS SDK for Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

# 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 [Signature Version 4 Signing Process](#) in the *Amazon Web Services General Reference*.

## 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 [Task 2: Create a String to Sign for Signature Version 4](#) in the *Amazon Web Services General Reference*.

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'THHMMSS'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 [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

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 Security Token Service, go to [AWS Services That Work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from the AWS Security Token Service, 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 [Task 1: Create a Canonical Request For Signature Version 4](#) in the *Amazon Web Services General Reference*.

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: 400

## **IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 400

## **InternalFailure**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

## **InvalidAction**

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 400

## **InvalidClientTokenId**

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

## **InvalidParameterCombination**

Parameters that must not be used together were used together.

HTTP Status Code: 400

## **InvalidParameterValue**

An invalid or out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **InvalidQueryParameter**

The AWS query string is malformed or does not adhere to AWS standards.

HTTP Status Code: 400

## **MalformedQueryString**

The query string contains a syntax error.

HTTP Status Code: 404

## **MissingAction**

The request is missing an action or a required parameter.

HTTP Status Code: 400

**MissingAuthenticationToken**

The request must contain either a valid (registered) AWS access key ID or X.509 certificate.

HTTP Status Code: 403

**MissingParameter**

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

**OptInRequired**

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

**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

**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

**ValidationError**

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400