



API Reference

# AWS Device Farm Documentation



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# AWS Device Farm Documentation: API Reference

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# Welcome

Welcome to the AWS Device Farm API documentation, which contains APIs for:

- Testing on desktop browsers

Device Farm makes it possible for you to test your web applications on desktop browsers using Selenium. The APIs for desktop browser testing contain TestGrid in their names. For more information, see [Testing Web Applications on Selenium with Device Farm](#).

- Testing on real mobile devices

Device Farm makes it possible for you to test apps on physical phones, tablets, and other devices in the cloud. For more information, see the [Device Farm Developer Guide](#).

This document was last published on April 5, 2026.

# Actions

The following actions are supported:

- [CreateDevicePool](#)
- [CreateInstanceProfile](#)
- [CreateNetworkProfile](#)
- [CreateProject](#)
- [CreateRemoteAccessSession](#)
- [CreateTestGridProject](#)
- [CreateTestGridUrl](#)
- [CreateUpload](#)
- [CreateVPCEConfiguration](#)
- [DeleteDevicePool](#)
- [DeleteInstanceProfile](#)
- [DeleteNetworkProfile](#)
- [DeleteProject](#)
- [DeleteRemoteAccessSession](#)
- [DeleteRun](#)
- [DeleteTestGridProject](#)
- [DeleteUpload](#)
- [DeleteVPCEConfiguration](#)
- [GetAccountSettings](#)
- [GetDevice](#)
- [GetDeviceInstance](#)
- [GetDevicePool](#)
- [GetDevicePoolCompatibility](#)
- [GetInstanceProfile](#)
- [GetJob](#)
- [GetNetworkProfile](#)
- [GetOfferingStatus](#)

- [GetProject](#)
- [GetRemoteAccessSession](#)
- [GetRun](#)
- [GetSuite](#)
- [GetTest](#)
- [GetTestGridProject](#)
- [GetTestGridSession](#)
- [GetUpload](#)
- [GetVPCEConfiguration](#)
- [InstallToRemoteAccessSession](#)
- [ListArtifacts](#)
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- [ListDevicePools](#)
- [ListDevices](#)
- [ListInstanceProfiles](#)
- [ListJobs](#)
- [ListNetworkProfiles](#)
- [ListOfferingPromotions](#)
- [ListOfferings](#)
- [ListOfferingTransactions](#)
- [ListProjects](#)
- [ListRemoteAccessSessions](#)
- [ListRuns](#)
- [ListSamples](#)
- [ListSuites](#)
- [ListTagsForResource](#)
- [ListTestGridProjects](#)
- [ListTestGridSessionActions](#)
- [ListTestGridSessionArtifacts](#)
- [ListTestGridSessions](#)

- [ListTests](#)
- [ListUniqueProblems](#)
- [ListUploads](#)
- [ListVPCEConfigurations](#)
- [PurchaseOffering](#)
- [RenewOffering](#)
- [ScheduleRun](#)
- [StopJob](#)
- [StopRemoteAccessSession](#)
- [StopRun](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateDeviceInstance](#)
- [UpdateDevicePool](#)
- [UpdateInstanceProfile](#)
- [UpdateNetworkProfile](#)
- [UpdateProject](#)
- [UpdateTestGridProject](#)
- [UpdateUpload](#)
- [UpdateVPCEConfiguration](#)

# CreateDevicePool

Creates a device pool.

## Request Syntax

```
{
  "description": "string",
  "maxDevices": number,
  "name": "string",
  "projectArn": "string",
  "rules": [
    {
      "attribute": "string",
      "operator": "string",
      "value": "string"
    }
  ]
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### description

The device pool's description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### maxDevices

The number of devices that Device Farm can add to your device pool. Device Farm adds devices that are available and meet the criteria that you assign for the `rules` parameter. Depending on how many devices meet these constraints, your device pool might contain fewer devices than the value for this parameter.

By specifying the maximum number of devices, you can control the costs that you incur by running tests.

Type: Integer

Required: No

### name

The device pool's name.

Type: String

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

Required: Yes

### projectArn

The ARN of the project for the device pool.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### rules

The device pool's rules.

Type: Array of [Rule](#) objects

Required: Yes

## Response Syntax

```
{
  "devicePool": {
    "arn": "string",
    "description": "string",
    "maxDevices": number,
    "name": "string",
```

```
    "rules": [  
      {  
        "attribute": "string",  
        "operator": "string",  
        "value": "string"  
      }  
    ],  
    "type": "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.

### devicePool

The newly created device pool.

Type: [DevicePool](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **ServiceAccountException**

There was a problem with the service account.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **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](#)

# CreateInstanceProfile

Creates a profile that can be applied to one or more private fleet device instances.

## Request Syntax

```
{  
  "description": "string",  
  "excludeAppPackagesFromCleanup": [ "string" ],  
  "name": "string",  
  "packageCleanup": boolean,  
  "rebootAfterUse": boolean  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### description

The description of your instance profile.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### excludeAppPackagesFromCleanup

An array of strings that specifies the list of app packages that should not be cleaned up from the device after a test run.

The list of packages is considered only if you set `packageCleanup` to `true`.

Type: Array of strings

Required: No

### name

The name of your instance profile.

Type: String

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

Required: Yes

### packageCleanup

When set to `true`, Device Farm removes app packages after a test run. The default value is `false` for private devices.

Type: Boolean

Required: No

### rebootAfterUse

When set to `true`, Device Farm reboots the instance after a test run. The default value is `true`.

Type: Boolean

Required: No

## Response Syntax

```
{
  "instanceProfile": {
    "arn": "string",
    "description": "string",
    "excludeAppPackagesFromCleanup": [ "string" ],
    "name": "string",
    "packageCleanup": boolean,
    "rebootAfterUse": 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.

## instanceProfile

An object that contains information about your instance profile.

Type: [InstanceProfile](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### **message**

Any additional information about the exception.

## HTTP Status Code: 400

### 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](#)

# CreateNetworkProfile

Creates a network profile.

## Request Syntax

```
{
  "description": "string",
  "downlinkBandwidthBits": number,
  "downlinkDelayMs": number,
  "downlinkJitterMs": number,
  "downlinkLossPercent": number,
  "name": "string",
  "projectArn": "string",
  "type": "string",
  "uplinkBandwidthBits": number,
  "uplinkDelayMs": number,
  "uplinkJitterMs": number,
  "uplinkLossPercent": number
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### description

The description of the network profile.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### downlinkBandwidthBits

The data throughput rate in bits per second, as an integer from 0 to 104857600.

Type: Long

Required: No

### downlinkDelayMs

Delay time for all packets to destination in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### downlinkJitterMs

Time variation in the delay of received packets in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### downlinkLossPercent

Proportion of received packets that fail to arrive from 0 to 100 percent.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

### name

The name for the new network profile.

Type: String

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

Required: Yes

### projectArn

The Amazon Resource Name (ARN) of the project for which you want to create a network profile.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

### type

The type of network profile to create. Valid values are listed here.

Type: String

Valid Values: CURATED | PRIVATE

Required: No

### uplinkBandwidthBits

The data throughput rate in bits per second, as an integer from 0 to 104857600.

Type: Long

Required: No

### uplinkDelayMs

Delay time for all packets to destination in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### uplinkJitterMs

Time variation in the delay of received packets in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### uplinkLossPercent

Proportion of transmitted packets that fail to arrive from 0 to 100 percent.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

## Response Syntax

```
{
  "networkProfile": {
    "arn": "string",
    "description": "string",
    "downlinkBandwidthBits": number,
    "downlinkDelayMs": number,
    "downlinkJitterMs": number,
    "downlinkLossPercent": number,
    "name": "string",
    "type": "string",
    "uplinkBandwidthBits": number,
    "uplinkDelayMs": number,
    "uplinkJitterMs": number,
    "uplinkLossPercent": number
  }
}
```

## 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.

### networkProfile

The network profile that is returned by the create network profile request.

Type: [NetworkProfile](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **ServiceAccountException**

There was a problem with the service account.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **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](#)

# CreateProject

Creates a project.

## Request Syntax

```
{
  "defaultJobTimeoutMinutes": number,
  "environmentVariables": [
    {
      "name": "string",
      "value": "string"
    }
  ],
  "executionRoleArn": "string",
  "name": "string",
  "vpcConfig": {
    "securityGroupIds": [ "string" ],
    "subnetIds": [ "string" ],
    "vpcId": "string"
  }
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### defaultJobTimeoutMinutes

Sets the execution timeout value (in minutes) for a project. All test runs in this project use the specified execution timeout value unless overridden when scheduling a run.

Type: Integer

Required: No

### environmentVariables

A set of environment variables which are used by default for all runs in the project. These environment variables are applied to the test run during the execution of a test spec file.

For more information about using test spec files, please see [Custom test environments](#) in *AWS Device Farm*.

Type: Array of [EnvironmentVariable](#) objects

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

### [executionRoleArn](#)

An IAM role to be assumed by the test host for all runs in the project.

Type: String

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

Pattern: `^arn:aws:iam:[0-9]{12}:role/.+`

Required: No

### [name](#)

The project's name.

Type: String

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

Required: Yes

### [vpcConfig](#)

The VPC security groups and subnets that are attached to a project.

Type: [VpcConfig](#) object

Required: No

## Response Syntax

```
{
  "project": {
    "arn": "string",
```

```
"created": number,
"defaultJobTimeoutMinutes": number,
"environmentVariables": [
  {
    "name": "string",
    "value": "string"
  }
],
"executionRoleArn": "string",
"name": "string",
"vpcConfig": {
  "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.

### project

The newly created project.

Type: [Project](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## TagOperationException

The operation was not successful. Try again.

HTTP Status Code: 400

## 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](#)

# CreateRemoteAccessSession

Specifies and starts a remote access session.

## Request Syntax

```
{
  "appArn": "string",
  "configuration": {
    "auxiliaryApps": [ "string" ],
    "billingMethod": "string",
    "deviceProxy": {
      "host": "string",
      "port": number
    },
    "vpceConfigurationArns": [ "string" ]
  },
  "deviceArn": "string",
  "instanceArn": "string",
  "interactionMode": "string",
  "name": "string",
  "projectArn": "string",
  "skipAppResign": boolean
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### appArn

The Amazon Resource Name (ARN) of the app to create the remote access session.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

## configuration

The configuration information for the remote access session request.

Type: [CreateRemoteAccessSessionConfiguration](#) object

Required: No

## deviceArn

The ARN of the device for which you want to create a remote access session.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## instanceArn

The Amazon Resource Name (ARN) of the device instance for which you want to create a remote access session.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

## interactionMode

*This parameter has been deprecated.*

The interaction mode of the remote access session. Changing the interactive mode of remote access sessions is no longer available.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Valid Values: INTERACTIVE | NO\_VIDEO | VIDEO\_ONLY

Required: No

## name

The name of the remote access session to create.

Type: String

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

Required: No

## projectArn

The Amazon Resource Name (ARN) of the project for which you want to create a remote access session.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## skipAppResign

When set to `true`, for private devices, Device Farm does not sign your app again. For public devices, Device Farm always signs your apps again.

For more information on how Device Farm modifies your uploads during tests, see [Do you modify my app?](#)

Type: Boolean

Required: No

## Response Syntax

```
{
  "remoteAccessSession": {
    "appUpload": "string",
    "arn": "string",
    "billingMethod": "string",
    "created": number,
    "device": {
      "arn": "string",
```

```
"availability": "string",
"carrier": "string",
"cpu": {
  "architecture": "string",
  "clock": number,
  "frequency": "string"
},
"fleetName": "string",
"fleetType": "string",
"formFactor": "string",
"heapSize": number,
"image": "string",
"instances": [
  {
    "arn": "string",
    "deviceArn": "string",
    "instanceProfile": {
      "arn": "string",
      "description": "string",
      "excludeAppPackagesFromCleanup": [ "string" ],
      "name": "string",
      "packageCleanup": boolean,
      "rebootAfterUse": boolean
    },
    "labels": [ "string" ],
    "status": "string",
    "udid": "string"
  }
],
"manufacturer": "string",
"memory": number,
"model": "string",
"modelId": "string",
"name": "string",
"os": "string",
"platform": "string",
"radio": "string",
"remoteAccessEnabled": boolean,
"remoteDebugEnabled": boolean,
"resolution": {
  "height": number,
  "width": number
}
},
```

```
"deviceMinutes": {
  "metered": number,
  "total": number,
  "unmetered": number
},
"deviceProxy": {
  "host": "string",
  "port": number
},
"deviceUdid": "string",
"endpoint": "string",
"endpoints": {
  "interactiveEndpoint": "string",
  "remoteDriverEndpoint": "string"
},
"instanceArn": "string",
"interactionMode": "string",
"message": "string",
"name": "string",
"result": "string",
"skipAppResign": boolean,
"started": number,
"status": "string",
"stopped": number,
"vpcConfig": {
  "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.

### remoteAccessSession

A container that describes the remote access session when the request to create a remote access session is sent.

Type: [RemoteAccessSession](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# CreateTestGridProject

Creates a Selenium testing project. Projects are used to track [TestGridSession](#) instances.

## Request Syntax

```
{
  "description": "string",
  "name": "string",
  "vpcConfig": {
    "securityGroupIds": [ "string" ],
    "subnetIds": [ "string" ],
    "vpcId": "string"
  }
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [description](#)

Human-readable description of the project.

Type: String

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

Pattern: `.*\S.*`

Required: No

### [name](#)

Human-readable name of the Selenium testing project.

Type: String

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

Pattern: `.*\S.*`

Required: Yes

## [vpcConfig](#)

The VPC security groups and subnets that are attached to a project.

Type: [TestGridVpcConfig](#) object

Required: No

## Response Syntax

```
{
  "testGridProject": {
    "arn": "string",
    "created": number,
    "description": "string",
    "name": "string",
    "vpcConfig": {
      "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.

### [testGridProject](#)

ARN of the Selenium testing project that was created.

Type: [TestGridProject](#) object

## Errors

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

## ArgumentException

An invalid argument was specified.

### message

Any additional information about the exception.

HTTP Status Code: 400

## InternalServiceException

An internal exception was raised in the service. Contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com) if you see this error.

HTTP Status Code: 500

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# CreateTestGridUrl

Creates a signed, short-term URL that can be passed to a Selenium RemoteWebDriver constructor.

## Request Syntax

```
{
  "expiresInSeconds": number,
  "projectArn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [expiresInSeconds](#)

Lifetime, in seconds, of the URL.

Type: Integer

Valid Range: Minimum value of 60. Maximum value of 86400.

Required: Yes

### [projectArn](#)

ARN (from [CreateTestGridProject](#) or [ListTestGridProjects](#)) to associate with the short-term URL.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Syntax

```
{
```

```
"expires": number,  
"url": "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.

### expires

The number of seconds the URL from [CreateTestGridUrl:url](#) stays active.

Type: Timestamp

### url

A signed URL, expiring in [CreateTestGridUrl:expiresInSeconds](#) seconds, to be passed to a `RemoteWebDriver`.

Type: String

## Errors

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **InternalServiceException**

An internal exception was raised in the service. Contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com) if you see this error.

HTTP Status Code: 500

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# CreateUpload

Uploads an app or test scripts.

## Request Syntax

```
{
  "contentType": "string",
  "name": "string",
  "projectArn": "string",
  "type": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### contentType

The upload's content type (for example, `application/octet-stream`).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Required: No

### name

The upload's file name. The name should not contain any forward slashes (/). If you are uploading an iOS app, the file name must end with the `.ipa` extension. If you are uploading an Android app, the file name must end with the `.apk` extension. For all others, the file name must end with the `.zip` file extension.

Type: String

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

Required: Yes

## projectArn

The ARN of the project for the upload.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

## type

The upload's upload type.

Must be one of the following values:

- ANDROID\_APP
- IOS\_APP
- WEB\_APP
- EXTERNAL\_DATA
- APPIUM\_JAVA\_JUNIT\_TEST\_PACKAGE
- APPIUM\_JAVA\_TESTNG\_TEST\_PACKAGE
- APPIUM\_PYTHON\_TEST\_PACKAGE
- APPIUM\_NODE\_TEST\_PACKAGE
- APPIUM\_RUBY\_TEST\_PACKAGE
- APPIUM\_WEB\_JAVA\_JUNIT\_TEST\_PACKAGE
- APPIUM\_WEB\_JAVA\_TESTNG\_TEST\_PACKAGE
- APPIUM\_WEB\_PYTHON\_TEST\_PACKAGE
- APPIUM\_WEB\_NODE\_TEST\_PACKAGE
- APPIUM\_WEB\_RUBY\_TEST\_PACKAGE
- INSTRUMENTATION\_TEST\_PACKAGE
- XCTEST\_TEST\_PACKAGE
- XCTEST\_UI\_TEST\_PACKAGE

- `APPIUM_JAVA_JUNIT_TEST_SPEC`
- `APPIUM_JAVA_TESTNG_TEST_SPEC`
- `APPIUM_PYTHON_TEST_SPEC`
- `APPIUM_NODE_TEST_SPEC`
- `APPIUM_RUBY_TEST_SPEC`
- `APPIUM_WEB_JAVA_JUNIT_TEST_SPEC`
- `APPIUM_WEB_JAVA_TESTNG_TEST_SPEC`
- `APPIUM_WEB_PYTHON_TEST_SPEC`
- `APPIUM_WEB_NODE_TEST_SPEC`
- `APPIUM_WEB_RUBY_TEST_SPEC`
- `INSTRUMENTATION_TEST_SPEC`
- `XCTEST_UI_TEST_SPEC`

If you call `CreateUpload` with `WEB_APP` specified, AWS Device Farm throws an `ArgumentException` error.

Type: String

Valid Values: `ANDROID_APP` | `IOS_APP` | `WEB_APP` | `EXTERNAL_DATA` | `APPIUM_JAVA_JUNIT_TEST_PACKAGE` | `APPIUM_JAVA_TESTNG_TEST_PACKAGE` | `APPIUM_PYTHON_TEST_PACKAGE` | `APPIUM_NODE_TEST_PACKAGE` | `APPIUM_RUBY_TEST_PACKAGE` | `APPIUM_WEB_JAVA_JUNIT_TEST_PACKAGE` | `APPIUM_WEB_JAVA_TESTNG_TEST_PACKAGE` | `APPIUM_WEB_PYTHON_TEST_PACKAGE` | `APPIUM_WEB_NODE_TEST_PACKAGE` | `APPIUM_WEB_RUBY_TEST_PACKAGE` | `CALABASH_TEST_PACKAGE` | `INSTRUMENTATION_TEST_PACKAGE` | `UIAUTOMATION_TEST_PACKAGE` | `UIAUTOMATOR_TEST_PACKAGE` | `XCTEST_TEST_PACKAGE` | `XCTEST_UI_TEST_PACKAGE` | `APPIUM_JAVA_JUNIT_TEST_SPEC` | `APPIUM_JAVA_TESTNG_TEST_SPEC` | `APPIUM_PYTHON_TEST_SPEC` | `APPIUM_NODE_TEST_SPEC` | `APPIUM_RUBY_TEST_SPEC` | `APPIUM_WEB_JAVA_JUNIT_TEST_SPEC` | `APPIUM_WEB_JAVA_TESTNG_TEST_SPEC` | `APPIUM_WEB_PYTHON_TEST_SPEC` | `APPIUM_WEB_NODE_TEST_SPEC` | `APPIUM_WEB_RUBY_TEST_SPEC` | `INSTRUMENTATION_TEST_SPEC` | `XCTEST_UI_TEST_SPEC`

Required: Yes

## Response Syntax

```
{
  "upload": {
    "arn": "string",
    "category": "string",
    "contentType": "string",
    "created": number,
    "message": "string",
    "metadata": "string",
    "name": "string",
    "status": "string",
    "type": "string",
    "url": "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.

### upload

The newly created upload.

Type: [Upload](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# CreateVPCEConfiguration

Creates a configuration record in Device Farm for your Amazon Virtual Private Cloud (VPC) endpoint.

## Request Syntax

```
{  
  "serviceDnsName": "string",  
  "vpceConfigurationDescription": "string",  
  "vpceConfigurationName": "string",  
  "vpceServiceName": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### serviceDnsName

The DNS name of the service running in your VPC that you want Device Farm to test.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: Yes

### vpceConfigurationDescription

An optional description that provides details about your VPC endpoint configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

### vpceConfigurationName

The friendly name you give to your VPC endpoint configuration, to manage your configurations more easily.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: Yes

### vpceServiceName

The name of the VPC endpoint service running in your AWS account that you want Device Farm to test.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: Yes

## Response Syntax

```
{
  "vpceConfiguration": {
    "arn": "string",
    "serviceDnsName": "string",
    "vpceConfigurationDescription": "string",
    "vpceConfigurationName": "string",
    "vpceServiceName": "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.

### vpceConfiguration

An object that contains information about your VPC endpoint configuration.

Type: VPCEConfiguration object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# DeleteDevicePool

Deletes a device pool given the pool ARN. Does not allow deletion of curated pools owned by the system.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

Represents the Amazon Resource Name (ARN) of the Device Farm device pool to delete.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Elements

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

## Errors

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

### ArgumentException

An invalid argument was specified.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**LimitExceededException**

A limit was exceeded.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**NotFoundException**

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**ServiceAccountException**

There was a problem with the service account.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**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](#)

# DeleteInstanceProfile

Deletes a profile that can be applied to one or more private device instances.

## Request Syntax

```
{  
  "arn": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the instance profile you are requesting to delete.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

## Response Elements

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

## Errors

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

### ArgumentException

An invalid argument was specified.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**LimitExceededException**

A limit was exceeded.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**NotFoundException**

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**ServiceAccountException**

There was a problem with the service account.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**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](#)

# DeleteNetworkProfile

Deletes a network profile.

## Request Syntax

```
{  
  "arn": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The ARN of the network profile to delete.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

## Response Elements

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

## Errors

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

### ArgumentException

An invalid argument was specified.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**LimitExceededException**

A limit was exceeded.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**NotFoundException**

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**ServiceAccountException**

There was a problem with the service account.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**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](#)

# DeleteProject

Deletes an AWS Device Farm project, given the project ARN. You cannot delete a project if it has an active run or session.

## Important

You cannot undo this operation.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

Represents the Amazon Resource Name (ARN) of the Device Farm project to delete.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Elements

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

## Errors

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

## ArgumentException

An invalid argument was specified.

### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# DeleteRemoteAccessSession

Deletes a completed remote access session and its results. You cannot delete a remote access session if it is still active.

## Important

You cannot undo this operation.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the session for which you want to delete remote access.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Elements

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

## Errors

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

## ArgumentException

An invalid argument was specified.

### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# DeleteRun

Deletes the run, given the run ARN. You cannot delete a run if it is still active.

## Important

You cannot undo this operation.

## Request Syntax

```
{  
  "arn": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) for the run to delete.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:..+`

Required: Yes

## Response Elements

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

## Errors

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

## ArgumentException

An invalid argument was specified.

### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# DeleteTestGridProject

Deletes a Selenium testing project and all content generated under it. You cannot delete a project if it has active sessions.

## Important

You cannot undo this operation.

## Request Syntax

```
{
  "projectArn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### projectArn

The ARN of the project to delete, from [CreateTestGridProject](#) or [ListTestGridProjects](#).

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Elements

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

## Errors

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

## ArgumentException

An invalid argument was specified.

### message

Any additional information about the exception.

HTTP Status Code: 400

## CannotDeleteException

The requested object could not be deleted.

HTTP Status Code: 400

## InternalServiceException

An internal exception was raised in the service. Contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com) if you see this error.

HTTP Status Code: 500

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# DeleteUpload

Deletes an upload given the upload ARN.

## Request Syntax

```
{  
  "arn": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

Represents the Amazon Resource Name (ARN) of the Device Farm upload to delete.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

## Response Elements

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

## Errors

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

### ArgumentException

An invalid argument was specified.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**LimitExceededException**

A limit was exceeded.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**NotFoundException**

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**ServiceAccountException**

There was a problem with the service account.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**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](#)

# DeleteVPCEConfiguration

Deletes a configuration for your Amazon Virtual Private Cloud (VPC) endpoint.

## Request Syntax

```
{  
  "arn": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the VPC endpoint configuration you want to delete.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

## Response Elements

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

## Errors

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

### ArgumentException

An invalid argument was specified.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**InvalidOperationException**

There was an error with the update request, or you do not have sufficient permissions to update this VPC endpoint configuration.

HTTP Status Code: 400

**NotFoundException**

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**ServiceAccountException**

There was a problem with the service account.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**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](#)

# GetAccountSettings

Returns the number of unmetered iOS or unmetered Android devices that have been purchased by the account.

## Response Syntax

```
{
  "accountSettings": {
    "awsAccountNumber": "string",
    "defaultJobTimeoutMinutes": number,
    "maxJobTimeoutMinutes": number,
    "maxSlots": {
      "string" : number
    },
    "skipAppResign": boolean,
    "trialMinutes": {
      "remaining": number,
      "total": number
    },
    "unmeteredDevices": {
      "string" : number
    },
    "unmeteredRemoteAccessDevices": {
      "string" : number
    }
  }
}
```

## 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.

### accountSettings

The account settings.

Type: [AccountSettings](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# GetDevice

Gets information about a unique device type.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The device type's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

## Response Syntax

```
{
  "device": {
    "arn": "string",
    "availability": "string",
    "carrier": "string",
    "cpu": {
      "architecture": "string",
      "clock": number,
      "frequency": "string"
    },
    "fleetName": "string",
  },
}
```

```
"fleetType": "string",
"formFactor": "string",
"heapSize": number,
"image": "string",
"instances": [
  {
    "arn": "string",
    "deviceArn": "string",
    "instanceProfile": {
      "arn": "string",
      "description": "string",
      "excludeAppPackagesFromCleanup": [ "string" ],
      "name": "string",
      "packageCleanup": boolean,
      "rebootAfterUse": boolean
    },
    "labels": [ "string" ],
    "status": "string",
    "udid": "string"
  }
],
"manufacturer": "string",
"memory": number,
"model": "string",
"modelId": "string",
"name": "string",
"os": "string",
"platform": "string",
"radio": "string",
"remoteAccessEnabled": boolean,
"remoteDebugEnabled": boolean,
"resolution": {
  "height": number,
  "width": number
}
}
```

## 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.

## device

An object that contains information about the requested device.

Type: [Device](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### message

Any additional information about the exception.

## HTTP Status Code: 400

### 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](#)

# GetDeviceInstance

Returns information about a device instance that belongs to a private device fleet.

## Request Syntax

```
{  
  "arn": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the instance you're requesting information about.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Syntax

```
{  
  "deviceInstance": {  
    "arn": "string",  
    "deviceArn": "string",  
    "instanceProfile": {  
      "arn": "string",  
      "description": "string",  
      "excludeAppPackagesFromCleanup": [ "string" ],  
      "name": "string",  
      "packageCleanup": boolean,  
    }  
  }  
}
```

```
    "rebootAfterUse": boolean
  },
  "labels": [ "string" ],
  "status": "string",
  "udid": "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.

### deviceInstance

An object that contains information about your device instance.

Type: [DeviceInstance](#) object

## Errors

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# GetDevicePool

Gets information about a device pool.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The device pool's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:..+

Required: Yes

## Response Syntax

```
{
  "devicePool": {
    "arn": "string",
    "description": "string",
    "maxDevices": number,
    "name": "string",
    "rules": [
      {
        "attribute": "string",
        "operator": "string",
        "value": "string"
      }
    ]
  }
}
```

```
    }  
  ],  
  "type": "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.

### devicePool

An object that contains information about the requested device pool.

Type: [DevicePool](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**ServiceAccountException**

There was a problem with the service account.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**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](#)

# GetDevicePoolCompatibility

Gets information about compatibility with a device pool.

## Request Syntax

```
{
  "appArn": "string",
  "configuration": {
    "auxiliaryApps": [ "string" ],
    "billingMethod": "string",
    "customerArtifactPaths": {
      "androidPaths": [ "string" ],
      "deviceHostPaths": [ "string" ],
      "iosPaths": [ "string" ]
    },
    "deviceProxy": {
      "host": "string",
      "port": number
    },
    "environmentVariables": [
      {
        "name": "string",
        "value": "string"
      }
    ],
    "executionRoleArn": "string",
    "extraDataPackageArn": "string",
    "locale": "string",
    "location": {
      "latitude": number,
      "longitude": number
    },
    "networkProfileArn": "string",
    "radios": {
      "bluetooth": boolean,
      "gps": boolean,
      "nfc": boolean,
      "wifi": boolean
    },
    "vpceConfigurationArns": [ "string" ]
  },
  "devicePoolArn": "string",
```

```
"projectArn": "string",
"test": {
  "filter": "string",
  "parameters": {
    "string" : "string"
  },
  "testPackageArn": "string",
  "testSpecArn": "string",
  "type": "string"
},
"testType": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### appArn

The ARN of the app that is associated with the specified device pool.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: No

### configuration

An object that contains information about the settings for a run.

Type: [ScheduleRunConfiguration](#) object

Required: No

### devicePoolArn

The device pool's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

### projectArn

The ARN of the project for which you want to check device pool compatibility.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### test

Information about the uploaded test to be run against the device pool.

Type: [ScheduleRunTest](#) object

Required: No

### testType

The test type for the specified device pool.

Allowed values include the following:

- BUILTIN\_FUZZ.
- APPIUM\_JAVA\_JUNIT.
- APPIUM\_JAVA\_TESTNG.
- APPIUM\_PYTHON.
- APPIUM\_NODE.
- APPIUM\_RUBY.
- APPIUM\_WEB\_JAVA\_JUNIT.
- APPIUM\_WEB\_JAVA\_TESTNG.
- APPIUM\_WEB\_PYTHON.
- APPIUM\_WEB\_NODE.
- APPIUM\_WEB\_RUBY.
- INSTRUMENTATION.

- XCTEST.
- XCTEST\_UI.

Type: String

Valid Values: BUILTIN\_FUZZ | APPIUM\_JAVA\_JUNIT | APPIUM\_JAVA\_TESTNG | APPIUM\_PYTHON | APPIUM\_NODE | APPIUM\_RUBY | APPIUM\_WEB\_JAVA\_JUNIT | APPIUM\_WEB\_JAVA\_TESTNG | APPIUM\_WEB\_PYTHON | APPIUM\_WEB\_NODE | APPIUM\_WEB\_RUBY | INSTRUMENTATION | XCTEST | XCTEST\_UI

Required: No

## Response Syntax

```
{
  "compatibleDevices": [
    {
      "compatible": boolean,
      "device": {
        "arn": "string",
        "availability": "string",
        "carrier": "string",
        "cpu": {
          "architecture": "string",
          "clock": number,
          "frequency": "string"
        },
        "fleetName": "string",
        "fleetType": "string",
        "formFactor": "string",
        "heapSize": number,
        "image": "string",
        "instances": [
          {
            "arn": "string",
            "deviceArn": "string",
            "instanceProfile": {
              "arn": "string",
              "description": "string",
              "excludeAppPackagesFromCleanup": [ "string" ],
              "name": "string",
              "packageCleanup": boolean,
            }
          }
        ]
      }
    }
  ]
}
```

```
        "rebootAfterUse": boolean
      },
      "labels": [ string ],
      "status": string,
      "udid": string
    }
  ],
  "manufacturer": string,
  "memory": number,
  "model": string,
  "modelId": string,
  "name": string,
  "os": string,
  "platform": string,
  "radio": string,
  "remoteAccessEnabled": boolean,
  "remoteDebugEnabled": boolean,
  "resolution": {
    "height": number,
    "width": number
  }
},
"incompatibilityMessages": [
  {
    "message": string,
    "type": string
  }
]
}
],
" incompatibleDevices": [
  {
    "compatible": boolean,
    "device": {
      "arn": string,
      "availability": string,
      "carrier": string,
      "cpu": {
        "architecture": string,
        "clock": number,
        "frequency": string
      },
      "fleetName": string,
      "fleetType": string,
```

```
    "formFactor": "string",
    "heapSize": number,
    "image": "string",
    "instances": [
      {
        "arn": "string",
        "deviceArn": "string",
        "instanceProfile": {
          "arn": "string",
          "description": "string",
          "excludeAppPackagesFromCleanup": [ "string" ],
          "name": "string",
          "packageCleanup": boolean,
          "rebootAfterUse": boolean
        },
        "labels": [ "string" ],
        "status": "string",
        "udid": "string"
      }
    ],
    "manufacturer": "string",
    "memory": number,
    "model": "string",
    "modelId": "string",
    "name": "string",
    "os": "string",
    "platform": "string",
    "radio": "string",
    "remoteAccessEnabled": boolean,
    "remoteDebugEnabled": boolean,
    "resolution": {
      "height": number,
      "width": number
    }
  },
  "incompatibilityMessages": [
    {
      "message": "string",
      "type": "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.

### compatibleDevices

Information about compatible devices.

Type: Array of [DevicePoolCompatibilityResult](#) objects

### incompatibleDevices

Information about incompatible devices.

Type: Array of [DevicePoolCompatibilityResult](#) objects

## Errors

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# GetInstanceProfile

Returns information about the specified instance profile.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of an instance profile.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

## Response Syntax

```
{
  "instanceProfile": {
    "arn": "string",
    "description": "string",
    "excludeAppPackagesFromCleanup": [ "string" ],
    "name": "string",
    "packageCleanup": boolean,
    "rebootAfterUse": 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.

### instanceProfile

An object that contains information about an instance profile.

Type: [InstanceProfile](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# GetJob

Gets information about a job.

## Request Syntax

```
{  
  "arn": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The job's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

## Response Syntax

```
{  
  "job": {  
    "arn": "string",  
    "counters": {  
      "errored": number,  
      "failed": number,  
      "passed": number,  
      "skipped": number,  
      "stopped": number,  
      "total": number,  
      "warned": number  
    },  
  },  
}
```

```
"created": number,
"device": {
  "arn": "string",
  "availability": "string",
  "carrier": "string",
  "cpu": {
    "architecture": "string",
    "clock": number,
    "frequency": "string"
  },
  "fleetName": "string",
  "fleetType": "string",
  "formFactor": "string",
  "heapSize": number,
  "image": "string",
  "instances": [
    {
      "arn": "string",
      "deviceArn": "string",
      "instanceProfile": {
        "arn": "string",
        "description": "string",
        "excludeAppPackagesFromCleanup": [ "string" ],
        "name": "string",
        "packageCleanup": boolean,
        "rebootAfterUse": boolean
      },
      "labels": [ "string" ],
      "status": "string",
      "udid": "string"
    }
  ],
  "manufacturer": "string",
  "memory": number,
  "model": "string",
  "modelId": "string",
  "name": "string",
  "os": "string",
  "platform": "string",
  "radio": "string",
  "remoteAccessEnabled": boolean,
  "remoteDebugEnabled": boolean,
  "resolution": {
    "height": number,
```

```
        "width": number
      }
    },
    "deviceMinutes": {
      "metered": number,
      "total": number,
      "unmetered": number
    },
    "instanceArn": "string",
    "message": "string",
    "name": "string",
    "result": "string",
    "started": number,
    "status": "string",
    "stopped": number,
    "type": "string",
    "videoCapture": boolean,
    "videoEndpoint": "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.

### job

An object that contains information about the requested job.

Type: [Job](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **ServiceAccountException**

There was a problem with the service account.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **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](#)

# GetNetworkProfile

Returns information about a network profile.

## Request Syntax

```
{  
  "arn": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The ARN of the network profile to return information about.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:..+

Required: Yes

## Response Syntax

```
{  
  "networkProfile": {  
    "arn": "string",  
    "description": "string",  
    "downlinkBandwidthBits": number,  
    "downlinkDelayMs": number,  
    "downlinkJitterMs": number,  
    "downlinkLossPercent": number,  
    "name": "string",  
    "type": "string",  
    "uplinkBandwidthBits": number,  
  }  
}
```

```
"uplinkDelayMs": number,  
"uplinkJitterMs": number,  
"uplinkLossPercent": number  
}  
}
```

## 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.

### networkProfile

The network profile.

Type: [NetworkProfile](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**ServiceAccountException**

There was a problem with the service account.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**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](#)

# GetOfferingStatus

Gets the current status and future status of all offerings purchased by an AWS account. The response indicates how many offerings are currently available and the offerings that will be available in the next period. The API returns a `NotEligible` error if the user is not permitted to invoke the operation. If you must be able to invoke this operation, contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com).

## Request Syntax

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

## Request Parameters

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

The request accepts the following data in JSON format.

### [nextToken](#)

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
  "current": {
    "string" : {
      "effectiveOn": number,
      "offering": {
        "description": "string",
        "id": "string",
        "platform": "string",
```

```
    "recurringCharges": [
      {
        "cost": {
          "amount": number,
          "currencyCode": "string"
        },
        "frequency": "string"
      }
    ],
    "type": "string"
  },
  "quantity": number,
  "type": "string"
}
},
"nextPeriod": {
  "string": {
    "effectiveOn": number,
    "offering": {
      "description": "string",
      "id": "string",
      "platform": "string",
      "recurringCharges": [
        {
          "cost": {
            "amount": number,
            "currencyCode": "string"
          },
          "frequency": "string"
        }
      ],
      "type": "string"
    },
    "quantity": number,
    "type": "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.

### current

When specified, gets the offering status for the current period.

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

Key Length Constraints: Minimum length of 32.

### nextPeriod

When specified, gets the offering status for the next period.

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

Key Length Constraints: Minimum length of 32.

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## Errors

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**NotEligibleException**

Exception gets thrown when a user is not eligible to perform the specified transaction.

**message**

The HTTP response code of a Not Eligible exception.

HTTP Status Code: 400

**NotFoundException**

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**ServiceAccountException**

There was a problem with the service account.

**message**

Any additional information about the exception.

HTTP Status Code: 400

## Examples

### Example

The following example checks the current and renewal status.

### Sample Response

```
{
  "current": {
```

```
    "offering-id-ios": {
      "offering": {
        "platform": "IOS",
        "type": "RECURRING",
        "id": "offering-id-ios",
        "description": "iOS Unmetered Device Slot"
      },
      "quantity": 1
    }
  },
  "nextPeriod": {
    "offering-id-ios": {
      "effectiveOn": 1459468800.0,
      "offering": {
        "platform": "IOS",
        "type": "RECURRING",
        "id": "offering-id-ios",
        "description": "iOS Unmetered Device Slot"
      },
      "quantity": 1
    }
  }
}
```

## 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](#)



# GetProject

Gets information about a project.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The project's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

## Response Syntax

```
{
  "project": {
    "arn": "string",
    "created": number,
    "defaultJobTimeoutMinutes": number,
    "environmentVariables": [
      {
        "name": "string",
        "value": "string"
      }
    ]
  }
}
```

```
    ],  
    "executionRoleArn": "string",  
    "name": "string",  
    "vpcConfig": {  
        "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.

### project

The project to get information about.

Type: [Project](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **ServiceAccountException**

There was a problem with the service account.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **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](#)

# GetRemoteAccessSession

Returns a link to a currently running remote access session.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the remote access session about which you want to get session information.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

## Response Syntax

```
{
  "remoteAccessSession": {
    "appUpload": "string",
    "arn": "string",
    "billingMethod": "string",
    "created": number,
    "device": {
      "arn": "string",
      "availability": "string",
      "carrier": "string",
      "cpu": {
```

```
    "architecture": "string",
    "clock": number,
    "frequency": "string"
  },
  "fleetName": "string",
  "fleetType": "string",
  "formFactor": "string",
  "heapSize": number,
  "image": "string",
  "instances": [
    {
      "arn": "string",
      "deviceArn": "string",
      "instanceProfile": {
        "arn": "string",
        "description": "string",
        "excludeAppPackagesFromCleanup": [ "string" ],
        "name": "string",
        "packageCleanup": boolean,
        "rebootAfterUse": boolean
      },
      "labels": [ "string" ],
      "status": "string",
      "udid": "string"
    }
  ],
  "manufacturer": "string",
  "memory": number,
  "model": "string",
  "modelId": "string",
  "name": "string",
  "os": "string",
  "platform": "string",
  "radio": "string",
  "remoteAccessEnabled": boolean,
  "remoteDebugEnabled": boolean,
  "resolution": {
    "height": number,
    "width": number
  }
},
"deviceMinutes": {
  "metered": number,
  "total": number,
```

```
    "unmetered": number
  },
  "deviceProxy": {
    "host": "string",
    "port": number
  },
  "deviceUdid": "string",
  "endpoint": "string",
  "endpoints": {
    "interactiveEndpoint": "string",
    "remoteDriverEndpoint": "string"
  },
  "instanceArn": "string",
  "interactionMode": "string",
  "message": "string",
  "name": "string",
  "result": "string",
  "skipAppResign": boolean,
  "started": number,
  "status": "string",
  "stopped": number,
  "vpcConfig": {
    "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.

### remoteAccessSession

A container that lists detailed information about the remote access session.

Type: [RemoteAccessSession](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# GetRun

Gets information about a run.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The run's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

## Response Syntax

```
{
  "run": {
    "appUpload": "string",
    "arn": "string",
    "billingMethod": "string",
    "completedJobs": number,
    "counters": {
      "errored": number,
      "failed": number,
      "passed": number,
      "skipped": number,
      "stopped": number,
    }
  }
}
```

```
    "total": number,
    "warned": number
  },
  "created": number,
  "customerArtifactPaths": {
    "androidPaths": [ "string" ],
    "deviceHostPaths": [ "string" ],
    "iosPaths": [ "string" ]
  },
  "deviceMinutes": {
    "metered": number,
    "total": number,
    "unmetered": number
  },
  "devicePoolArn": "string",
  "deviceProxy": {
    "host": "string",
    "port": number
  },
  "deviceSelectionResult": {
    "filters": [
      {
        "attribute": "string",
        "operator": "string",
        "values": [ "string" ]
      }
    ],
    "matchedDevicesCount": number,
    "maxDevices": number
  },
  "environmentVariables": [
    {
      "name": "string",
      "value": "string"
    }
  ],
  "eventCount": number,
  "executionRoleArn": "string",
  "jobTimeoutMinutes": number,
  "locale": "string",
  "location": {
    "latitude": number,
    "longitude": number
  },
},
```

```
"message": "string",
"name": "string",
"networkProfile": {
  "arn": "string",
  "description": "string",
  "downlinkBandwidthBits": number,
  "downlinkDelayMs": number,
  "downlinkJitterMs": number,
  "downlinkLossPercent": number,
  "name": "string",
  "type": "string",
  "uplinkBandwidthBits": number,
  "uplinkDelayMs": number,
  "uplinkJitterMs": number,
  "uplinkLossPercent": number
},
"parsingResultUrl": "string",
"platform": "string",
"radios": {
  "bluetooth": boolean,
  "gps": boolean,
  "nfc": boolean,
  "wifi": boolean
},
"result": "string",
"resultCode": "string",
"seed": number,
"skipAppResign": boolean,
"started": number,
"status": "string",
"stopped": number,
"testSpecArn": "string",
"totalJobs": number,
"type": "string",
"vpcConfig": {
  "securityGroupIds": [ "string" ],
  "subnetIds": [ "string" ],
  "vpcId": "string"
},
"webUrl": "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.

### run

The run to get results from.

Type: [Run](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# GetSuite

Gets information about a suite.

## Request Syntax

```
{  
  "arn": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The suite's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Syntax

```
{  
  "suite": {  
    "arn": "string",  
    "counters": {  
      "errored": number,  
      "failed": number,  
      "passed": number,  
      "skipped": number,  
      "stopped": number,  
      "total": number,  
    }  
  }  
}
```

```
    "warned": number
  },
  "created": number,
  "deviceMinutes": {
    "metered": number,
    "total": number,
    "unmetered": number
  },
  "message": "string",
  "name": "string",
  "result": "string",
  "started": number,
  "status": "string",
  "stopped": number,
  "type": "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.

### suite

A collection of one or more tests.

Type: [Suite](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# GetTest

Gets information about a test.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The test's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Syntax

```
{
  "test": {
    "arn": "string",
    "counters": {
      "errored": number,
      "failed": number,
      "passed": number,
      "skipped": number,
      "stopped": number,
      "total": number,
    }
  }
}
```

```
    "warned": number
  },
  "created": number,
  "deviceMinutes": {
    "metered": number,
    "total": number,
    "unmetered": number
  },
  "message": "string",
  "name": "string",
  "result": "string",
  "started": number,
  "status": "string",
  "stopped": number,
  "type": "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.

### test

A test condition that is evaluated.

Type: [Test](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# GetTestGridProject

Retrieves information about a Selenium testing project.

## Request Syntax

```
{
  "projectArn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [projectArn](#)

The ARN of the Selenium testing project, from either [CreateTestGridProject](#) or [ListTestGridProjects](#).

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

## Response Syntax

```
{
  "testGridProject": {
    "arn": "string",
    "created": number,
    "description": "string",
    "name": "string",
    "vpcConfig": {
      "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.

### testGridProject

A [TestGridProject](#).

Type: [TestGridProject](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### InternalServiceException

An internal exception was raised in the service. Contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com) if you see this error.

HTTP Status Code: 500

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

## HTTP Status Code: 400

### 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](#)

# GetTestGridSession

A session is an instance of a browser created through a `RemoteWebDriver` with the URL from [CreateTestGridUrl:url](#). You can use the following to look up sessions:

- The session ARN ([GetTestGridSession:sessionArn](#)).
- The project ARN and a session ID ([GetTestGridSession:projectArn](#) and [GetTestGridSession:sessionId](#)).

## Request Syntax

```
{
  "projectArn": "string",
  "sessionArn": "string",
  "sessionId": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [projectArn](#)

The ARN for the project that this session belongs to. See [CreateTestGridProject](#) and [ListTestGridProjects](#).

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### [sessionArn](#)

An ARN that uniquely identifies a [TestGridSession](#).

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### sessionId

An ID associated with this session.

Type: String

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

Pattern: `.*\S.*`

Required: No

## Response Syntax

```
{
  "testGridSession": {
    "arn": "string",
    "billingMinutes": number,
    "created": number,
    "ended": number,
    "seleniumProperties": "string",
    "status": "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.

### testGridSession

The [TestGridSession](#) that was requested.

Type: [TestGridSession](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### InternalServiceException

An internal exception was raised in the service. Contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com) if you see this error.

HTTP Status Code: 500

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# GetUpload

Gets information about an upload.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The upload's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Syntax

```
{
  "upload": {
    "arn": "string",
    "category": "string",
    "contentType": "string",
    "created": number,
    "message": "string",
    "metadata": "string",
    "name": "string",
    "status": "string",
  }
}
```

```
    "type": "string",  
    "url": "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.

### upload

An app or a set of one or more tests to upload or that have been uploaded.

Type: [Upload](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**ServiceAccountException**

There was a problem with the service account.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**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](#)

# GetVPCEConfiguration

Returns information about the configuration settings for your Amazon Virtual Private Cloud (VPC) endpoint.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the VPC endpoint configuration you want to describe.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:..+

Required: Yes

## Response Syntax

```
{
  "vpceConfiguration": {
    "arn": "string",
    "serviceDnsName": "string",
    "vpceConfigurationDescription": "string",
    "vpceConfigurationName": "string",
    "vpceServiceName": "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.

### vpceConfiguration

An object that contains information about your VPC endpoint configuration.

Type: [VPCEConfiguration](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# InstallToRemoteAccessSession

Installs an application to the device in a remote access session. For Android applications, the file must be in .apk format. For iOS applications, the file must be in .ipa format.

## Request Syntax

```
{
  "appArn": "string",
  "remoteAccessSessionArn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### appArn

The ARN of the app about which you are requesting information.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### remoteAccessSessionArn

The Amazon Resource Name (ARN) of the remote access session about which you are requesting information.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Syntax

```
{
  "appUpload": {
    "arn": "string",
    "category": "string",
    "contentType": "string",
    "created": number,
    "message": "string",
    "metadata": "string",
    "name": "string",
    "status": "string",
    "type": "string",
    "url": "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.

### [appUpload](#)

An app to upload or that has been uploaded.

Type: [Upload](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListArtifacts

Gets information about artifacts.

## Request Syntax

```
{
  "arn": "string",
  "nextToken": "string",
  "type": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The run, job, suite, or test ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## type

The artifacts' type.

Allowed values include:

- FILE
- LOG
- SCREENSHOT

Type: String

Valid Values: SCREENSHOT | FILE | LOG

Required: Yes

## Response Syntax

```
{
  "artifacts": [
    {
      "arn": "string",
      "extension": "string",
      "name": "string",
      "type": "string",
      "url": "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.

### artifacts

Information about the artifacts.

Type: Array of [Artifact](#) objects

## **nextToken**

If the number of items that are returned is significantly large, this is an identifier that is also returned. It can be used in a subsequent call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## **Errors**

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **ServiceAccountException**

There was a problem with the service account.

## message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListDeviceInstances

Returns information about the private device instances associated with one or more AWS accounts.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### maxResults

An integer that specifies the maximum number of items you want to return in the API response.

Type: Integer

Required: No

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{  
  "deviceInstances": [  
    {
```

```
    "arn": "string",
    "deviceArn": "string",
    "instanceProfile": {
      "arn": "string",
      "description": "string",
      "excludeAppPackagesFromCleanup": [ "string" ],
      "name": "string",
      "packageCleanup": boolean,
      "rebootAfterUse": boolean
    },
    "labels": [ "string" ],
    "status": "string",
    "udid": "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.

### deviceInstances

An object that contains information about your device instances.

Type: Array of [DeviceInstance](#) objects

### nextToken

An identifier that can be used in the next call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## Errors

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

## ArgumentException

An invalid argument was specified.

### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListDevicePools

Gets information about device pools.

## Request Syntax

```
{  
  "arn": "string",  
  "nextToken": "string",  
  "type": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The project ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

### type

The device pools' type.

Allowed values include:

- **CURATED**: A device pool that is created and managed by AWS Device Farm.
- **PRIVATE**: A device pool that is created and managed by the device pool developer.

Type: String

Valid Values: CURATED | PRIVATE

Required: No

## Response Syntax

```
{
  "devicePools": [
    {
      "arn": "string",
      "description": "string",
      "maxDevices": number,
      "name": "string",
      "rules": [
        {
          "attribute": "string",
          "operator": "string",
          "value": "string"
        }
      ],
      "type": "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.

### devicePools

Information about the device pools.

Type: Array of [DevicePool](#) objects

### [nextToken](#)

If the number of items that are returned is significantly large, this is an identifier that is also returned. It can be used in a subsequent call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListDevices

Gets information about unique device types.

## Request Syntax

```
{
  "arn": "string",
  "filters": [
    {
      "attribute": "string",
      "operator": "string",
      "values": [ "string" ]
    }
  ],
  "nextToken": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the project.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### filters

Used to select a set of devices. A filter is made up of an attribute, an operator, and one or more values.

- **Attribute:** The aspect of a device such as platform or model used as the selection criteria in a device filter.

Allowed values include:

- **ARN:** The Amazon Resource Name (ARN) of the device (for example, `arn:aws:devicefarm:us-west-2::device:12345Example`).
- **PLATFORM:** The device platform. Valid values are `ANDROID` or `IOS`.
- **OS\_VERSION:** The operating system version (for example, `10.3.2`).
- **MODEL:** The device model (for example, `iPad 5th Gen`).
- **AVAILABILITY:** The current availability of the device. Valid values are `AVAILABLE`, `HIGHLY_AVAILABLE`, `BUSY`, or `TEMPORARY_NOT_AVAILABLE`.
- **FORM\_FACTOR:** The device form factor. Valid values are `PHONE` or `TABLET`.
- **MANUFACTURER:** The device manufacturer (for example, `Apple`).
- **REMOTE\_ACCESS\_ENABLED:** Whether the device is enabled for remote access. Valid values are `TRUE` or `FALSE`.
- **REMOTE\_DEBUG\_ENABLED:** Whether the device is enabled for remote debugging. Valid values are `TRUE` or `FALSE`. Because remote debugging is [no longer supported](#), this attribute is ignored.
- **INSTANCE\_ARN:** The Amazon Resource Name (ARN) of the device instance.
- **INSTANCE\_LABELS:** The label of the device instance.
- **FLEET\_TYPE:** The fleet type. Valid values are `PUBLIC` or `PRIVATE`.
- **Operator:** The filter operator.
  - The `EQUALS` operator is available for every attribute except `INSTANCE_LABELS`.
  - The `CONTAINS` operator is available for the `INSTANCE_LABELS` and `MODEL` attributes.
  - The `IN` and `NOT_IN` operators are available for the `ARN`, `OS_VERSION`, `MODEL`, `MANUFACTURER`, and `INSTANCE_ARN` attributes.
  - The `LESS_THAN`, `GREATER_THAN`, `LESS_THAN_OR_EQUALS`, and `GREATER_THAN_OR_EQUALS` operators are also available for the `OS_VERSION` attribute.
- **Values:** An array of one or more filter values.
  - The `IN` and `NOT_IN` operators take a values array that has one or more elements.
  - The other operators require an array with a single element.
  - In a request, the `AVAILABILITY` attribute takes the following values: `AVAILABLE`, `HIGHLY_AVAILABLE`, `BUSY`, or `TEMPORARY_NOT_AVAILABLE`.

Required: No

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
  "devices": [
    {
      "arn": "string",
      "availability": "string",
      "carrier": "string",
      "cpu": {
        "architecture": "string",
        "clock": number,
        "frequency": "string"
      },
      "fleetName": "string",
      "fleetType": "string",
      "formFactor": "string",
      "heapSize": number,
      "image": "string",
      "instances": [
        {
          "arn": "string",
          "deviceArn": "string",
          "instanceProfile": {
            "arn": "string",
            "description": "string",
            "excludeAppPackagesFromCleanup": [ "string ],
            "name": "string",
            "packageCleanup": boolean,
            "rebootAfterUse": boolean
          }
        }
      ],
    }
  ],
}
```

```
        "labels": [ "string" ],
        "status": "string",
        "udid": "string"
    }
],
"manufacturer": "string",
"memory": number,
"model": "string",
"modelId": "string",
"name": "string",
"os": "string",
"platform": "string",
"radio": "string",
"remoteAccessEnabled": boolean,
"remoteDebugEnabled": boolean,
"resolution": {
    "height": number,
    "width": 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.

### devices

Information about the devices.

Type: Array of [Device](#) objects

### nextToken

If the number of items that are returned is significantly large, this is an identifier that is also returned. It can be used in a subsequent call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListInstanceProfiles

Returns information about all the instance profiles in an AWS account.

## Request Syntax

```
{
  "maxResults": number,
  "nextToken": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### maxResults

An integer that specifies the maximum number of items you want to return in the API response.

Type: Integer

Required: No

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
  "instanceProfiles": [
    {
```

```
    "arn": "string",
    "description": "string",
    "excludeAppPackagesFromCleanup": [ "string" ],
    "name": "string",
    "packageCleanup": boolean,
    "rebootAfterUse": boolean
  }
],
"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.

### instanceProfiles

An object that contains information about your instance profiles.

Type: Array of [InstanceProfile](#) objects

### nextToken

An identifier that can be used in the next call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **ServiceAccountException**

There was a problem with the service account.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **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](#)

# ListJobs

Gets information about jobs for a given test run.

## Request Syntax

```
{  
  "arn": "string",  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The run's Amazon Resource Name (ARN).

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
```

```
"jobs": [  
  {  
    "arn": "string",  
    "counters": {  
      "errored": number,  
      "failed": number,  
      "passed": number,  
      "skipped": number,  
      "stopped": number,  
      "total": number,  
      "warned": number  
    },  
    "created": number,  
    "device": {  
      "arn": "string",  
      "availability": "string",  
      "carrier": "string",  
      "cpu": {  
        "architecture": "string",  
        "clock": number,  
        "frequency": "string"  
      },  
      "fleetName": "string",  
      "fleetType": "string",  
      "formFactor": "string",  
      "heapSize": number,  
      "image": "string",  
      "instances": [  
        {  
          "arn": "string",  
          "deviceArn": "string",  
          "instanceProfile": {  
            "arn": "string",  
            "description": "string",  
            "excludeAppPackagesFromCleanup": [ "string" ],  
            "name": "string",  
            "packageCleanup": boolean,  
            "rebootAfterUse": boolean  
          },  
          "labels": [ "string" ],  
          "status": "string",  
          "udid": "string"  
        }  
      ],  
    },  
  ],  
],
```

```
    "manufacturer": "string",
    "memory": number,
    "model": "string",
    "modelId": "string",
    "name": "string",
    "os": "string",
    "platform": "string",
    "radio": "string",
    "remoteAccessEnabled": boolean,
    "remoteDebugEnabled": boolean,
    "resolution": {
      "height": number,
      "width": number
    }
  },
  "deviceMinutes": {
    "metered": number,
    "total": number,
    "unmetered": number
  },
  "instanceArn": "string",
  "message": "string",
  "name": "string",
  "result": "string",
  "started": number,
  "status": "string",
  "stopped": number,
  "type": "string",
  "videoCapture": boolean,
  "videoEndpoint": "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.

### [jobs](#)

Information about the jobs.

Type: Array of [Job](#) objects

### [nextToken](#)

If the number of items that are returned is significantly large, this is an identifier that is also returned. It can be used in a subsequent call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListNetworkProfiles

Returns the list of available network profiles.

## Request Syntax

```
{  
  "arn": "string",  
  "nextToken": "string",  
  "type": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the project for which you want to list network profiles.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## type

The type of network profile to return information about. Valid values are listed here.

Type: String

Valid Values: CURATED | PRIVATE

Required: No

## Response Syntax

```
{
  "networkProfiles": [
    {
      "arn": "string",
      "description": "string",
      "downlinkBandwidthBits": number,
      "downlinkDelayMs": number,
      "downlinkJitterMs": number,
      "downlinkLossPercent": number,
      "name": "string",
      "type": "string",
      "uplinkBandwidthBits": number,
      "uplinkDelayMs": number,
      "uplinkJitterMs": number,
      "uplinkLossPercent": 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.

### networkProfiles

A list of the available network profiles.

Type: Array of [NetworkProfile](#) objects

### [nextToken](#)

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## Errors

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **ServiceAccountException**

There was a problem with the service account.

## message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListOfferingPromotions

Returns a list of offering promotions. Each offering promotion record contains the ID and description of the promotion. The API returns a `NotEligible` error if the caller is not permitted to invoke the operation. Contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com) if you must be able to invoke this operation.

## Request Syntax

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

## Request Parameters

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

The request accepts the following data in JSON format.

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "offeringPromotions": [
    {
      "description": "string",
      "id": "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

An identifier to be used in the next call to this operation, to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

### offeringPromotions

Information about the offering promotions.

Type: Array of [OfferingPromotion](#) objects

## Errors

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **NotEligibleException**

Exception gets thrown when a user is not eligible to perform the specified transaction.

#### **message**

The HTTP response code of a Not Eligible exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **ServiceAccountException**

There was a problem with the service account.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **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](#)

# ListOfferings

Returns a list of products or offerings that the user can manage through the API. Each offering record indicates the recurring price per unit and the frequency for that offering. The API returns a `NotEligible` error if the user is not permitted to invoke the operation. If you must be able to invoke this operation, contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com).

## Request Syntax

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

## Request Parameters

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

The request accepts the following data in JSON format.

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{  
  "nextToken": "string",  
  "offerings": [  
    {  
      "description": "string",  
      "id": "string",  
      "platform": "string",  
      "recurringCharges": [  
        {
```

```
        "cost": {
            "amount": number,
            "currencyCode": "string"
        },
        "frequency": "string"
    }
],
"type": "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

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

### offerings

A value that represents the list offering results.

Type: Array of [Offering](#) objects

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **NotEligibleException**

Exception gets thrown when a user is not eligible to perform the specified transaction.

#### **message**

The HTTP response code of a Not Eligible exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **ServiceAccountException**

There was a problem with the service account.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **Examples**

### **Example**

The following example response shows a list of device offerings for the user's account.

## Sample Response

```
{
  "offerings": [
    {
      "recurringCharges": [
        {
          "cost": {
            "amount": 250.0,
            "currencyCode": "USD"
          },
          "frequency": "MONTHLY"
        }
      ],
      "platform": "IOS",
      "type": "RECURRING",
      "id": "offering-id-ios",
      "description": "iOS Unmetered Device Slot"
    },
    {
      "recurringCharges": [
        {
          "cost": {
            "amount": 250.0,
            "currencyCode": "USD"
          },
          "frequency": "MONTHLY"
        }
      ],
      "platform": "ANDROID",
      "type": "RECURRING",
      "id": "offering-id-android",
      "description": "Android Unmetered Device Slot"
    }
  ]
}
```

## 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](#)

# ListOfferingTransactions

Returns a list of all historical purchases, renewals, and system renewal transactions for an AWS account. The list is paginated and ordered by a descending timestamp (most recent transactions are first). The API returns a `NotEligible` error if the user is not permitted to invoke the operation. If you must be able to invoke this operation, contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com).

## Request Syntax

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

## Request Parameters

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

The request accepts the following data in JSON format.

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "offeringTransactions": [
    {
      "cost": {
        "amount": number,
        "currencyCode": "string"
      },
      "createdOn": number,
```

```
"offeringPromotionId": "string",
"offeringStatus": {
  "effectiveOn": number,
  "offering": {
    "description": "string",
    "id": "string",
    "platform": "string",
    "recurringCharges": [
      {
        "cost": {
          "amount": number,
          "currencyCode": "string"
        },
        "frequency": "string"
      }
    ],
    "type": "string"
  },
  "quantity": number,
  "type": "string"
},
"transactionId": "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

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

### offeringTransactions

The audit log of subscriptions you have purchased and modified through AWS Device Farm.

Type: Array of [OfferingTransaction](#) objects

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotEligibleException

Exception gets thrown when a user is not eligible to perform the specified transaction.

#### message

The HTTP response code of a Not Eligible exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

## message

Any additional information about the exception.

HTTP Status Code: 400

## Examples

### Example

The following example response contains all the transactions that the customer has made.

### Sample Response

```
{
  "offeringTransactions": [
    {
      "createdOn": 1458596241.001,
      "offeringStatus": {
        "effectiveOn": 1458596240.974,
        "type": "PURCHASE",
        "offering": {
          "platform": "IOS",
          "type": "RECURRING",
          "id": "offering-id-ios",
          "description": "iOS Unmetered Device Slot"
        },
        "quantity": 1
      },
      "cost": {
        "amount": 80.65,
        "currencyCode": "USD"
      },
      "transactionId": "transaction-id"
    },
    {
      "createdOn": 1458587590.308,
      "offeringStatus": {
        "effectiveOn": 1458587590.24,
        "type": "PURCHASE",
        "offering": {
          "platform": "IOS",
          "type": "RECURRING",
```

```
        "id": "offering-id-ios",
        "description": "iOS Unmetered Device Slot"
    },
    "quantity": 1
},
"cost": {
    "amount": 80.65,
    "currencyCode": "USD"
},
"transactionId": "transaction-id"
},
{
    "createdOn": 1458541943.395,
    "offeringStatus": {
        "effectiveOn": 1458541943.34,
        "type": "PURCHASE",
        "offering": {
            "platform": "ANDROID",
            "type": "RECURRING",
            "id": "offering-id-android",
            "description": "Android Unmetered Device Slot"
        },
        "quantity": 10
    },
    "cost": {
        "amount": 806.45,
        "currencyCode": "USD"
    },
    "transactionId": "transaction-id"
},
{
    "createdOn": 1458584276.849,
    "offeringStatus": {
        "effectiveOn": 1458584276.811,
        "type": "PURCHASE",
        "offering": {
            "platform": "ANDROID",
            "type": "RECURRING",
            "id": "offering-id-android",
            "description": "Android Unmetered Device Slot"
        },
        "quantity": 2
    },
    "cost": {
```

```
        "amount": 161.29,
        "currencyCode": "USD"
    },
    "transactionId": "transaction-id"
},
{
    "createdOn": 1458592981.171,
    "offeringStatus": {
        "effectiveOn": 1458592981.137,
        "type": "PURCHASE",
        "offering": {
            "platform": "IOS",
            "type": "RECURRING",
            "id": "offering-id-ios",
            "description": "iOS Unmetered Device Slot"
        },
        "quantity": 1
    },
    "cost": {
        "amount": 80.65,
        "currencyCode": "USD"
    },
    "transactionId": "transaction-id"
},
{
    "createdOn": 1458591927.511,
    "offeringStatus": {
        "effectiveOn": 1458591927.468,
        "type": "PURCHASE",
        "offering": {
            "platform": "IOS",
            "type": "RECURRING",
            "id": "offering-id-ios",
            "description": "iOS Unmetered Device Slot"
        },
        "quantity": 1
    },
    "cost": {
        "amount": 80.65,
        "currencyCode": "USD"
    },
    "transactionId": "transaction-id"
},
{
```

```
    "createdOn": 1458581880.117,
    "offeringStatus": {
      "effectiveOn": 1459468800.0,
      "type": "RENEW",
      "offering": {
        "platform": "IOS",
        "type": "RECURRING",
        "id": "offering-id-ios",
        "description": "iOS Unmetered Device Slot"
      },
      "quantity": 0
    },
    "cost": {
      "amount": 0.0,
      "currencyCode": "USD"
    },
    "transactionId": "transaction-id"
  },
  {
    "createdOn": 1458587390.031,
    "offeringStatus": {
      "effectiveOn": 1458587390.008,
      "type": "PURCHASE",
      "offering": {
        "platform": "ANDROID",
        "type": "RECURRING",
        "id": "offering-id-android",
        "description": "Android Unmetered Device Slot"
      },
      "quantity": 1
    },
    "cost": {
      "amount": 80.65,
      "currencyCode": "USD"
    },
    "transactionId": "transaction-id"
  },
  {
    "createdOn": 1458591927.99,
    "offeringStatus": {
      "effectiveOn": 1459468800.0,
      "type": "RENEW",
      "offering": {
        "platform": "ANDROID",
```

```
        "type": "RECURRING",
        "id": "offering-id-android",
        "description": "Android Unmetered Device Slot"
    },
    "quantity": 3
},
"cost": {
    "amount": 750.0,
    "currencyCode": "USD"
},
"transactionId": "transaction-id"
},
{
    "createdOn": 1458581580.426,
    "offeringStatus": {
        "effectiveOn": 1458581580.377,
        "type": "PURCHASE",
        "offering": {
            "platform": "ANDROID",
            "type": "RECURRING",
            "id": "offering-id-android",
            "description": "Android Unmetered Device Slot"
        },
        "quantity": 1
    },
    "cost": {
        "amount": 80.65,
        "currencyCode": "USD"
    },
    "transactionId": "transaction-id"
},
{
    "createdOn": 1458582235.794,
    "offeringStatus": {
        "effectiveOn": 1459468800.0,
        "type": "RENEW",
        "offering": {
            "platform": "ANDROID",
            "type": "RECURRING",
            "id": "offering-id-android",
            "description": "Android Unmetered Device Slot"
        },
        "quantity": 1
    },
}
```

```
    "cost": {
      "amount": 250.0,
      "currencyCode": "USD"
    },
    "transactionId": "transaction-id"
  },
  {
    "createdOn": 1458581580.429,
    "offeringStatus": {
      "effectiveOn": 1458581580.372,
      "type": "PURCHASE",
      "offering": {
        "platform": "IOS",
        "type": "RECURRING",
        "id": "offering-id-ios",
        "description": "iOS Unmetered Device Slot"
      },
      "quantity": 1
    },
    "cost": {
      "amount": 80.65,
      "currencyCode": "USD"
    },
    "transactionId": "transaction-id"
  },
  {
    "createdOn": 1458593014.881,
    "offeringStatus": {
      "effectiveOn": 1458593014.856,
      "type": "PURCHASE",
      "offering": {
        "platform": "IOS",
        "type": "RECURRING",
        "id": "offering-id-ios",
        "description": "iOS Unmetered Device Slot"
      },
      "quantity": 2
    },
    "cost": {
      "amount": 161.29,
      "currencyCode": "USD"
    },
    "transactionId": "transaction-id"
  },
}
```

```
{
  "createdOn": 1458581880.415,
  "offeringStatus": {
    "effectiveOn": 1459468800.0,
    "type": "RENEW",
    "offering": {
      "platform": "ANDROID",
      "type": "RECURRING",
      "id": "offering-id-android",
      "description": "Android Unmetered Device Slot"
    },
    "quantity": 0
  },
  "cost": {
    "amount": 0.0,
    "currencyCode": "USD"
  },
  "transactionId": "transaction-id"
},
{
  "createdOn": 1458591927.662,
  "offeringStatus": {
    "effectiveOn": 1458591927.491,
    "type": "PURCHASE",
    "offering": {
      "platform": "ANDROID",
      "type": "RECURRING",
      "id": "offering-id-android",
      "description": "Android Unmetered Device Slot"
    },
    "quantity": 1
  },
  "cost": {
    "amount": 80.65,
    "currencyCode": "USD"
  },
  "transactionId": "transaction-id"
},
{
  "createdOn": 1458582235.834,
  "offeringStatus": {
    "effectiveOn": 1459468800.0,
    "type": "RENEW",
    "offering": {
```

```
        "platform": "IOS",
        "type": "RECURRING",
        "id": "offering-id-ios",
        "description": "iOS Unmetered Device Slot"
    },
    "quantity": 1
},
"cost": {
    "amount": 250.0,
    "currencyCode": "USD"
},
"transactionId": "transaction-id"
},
{
    "createdOn": 1458583642.184,
    "offeringStatus": {
        "effectiveOn": 1459468800.0,
        "type": "RENEW",
        "offering": {
            "platform": "IOS",
            "type": "RECURRING",
            "id": "offering-id-ios",
            "description": "iOS Unmetered Device Slot"
        },
        "quantity": 0
    },
    "cost": {
        "amount": 0.0,
        "currencyCode": "USD"
    },
    "transactionId": "transaction-id"
},
{
    "createdOn": 1458581880.007,
    "offeringStatus": {
        "effectiveOn": 1458581879.937,
        "type": "PURCHASE",
        "offering": {
            "platform": "ANDROID",
            "type": "RECURRING",
            "id": "offering-id-android",
            "description": "Android Unmetered Device Slot"
        },
        "quantity": 1
    }
}
```

```
    },
    "cost": {
      "amount": 80.65,
      "currencyCode": "USD"
    },
    "transactionId": "transaction-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](#)

# ListProjects

Gets information about projects.

## Request Syntax

```
{  
  "arn": "string",  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

Optional. If no Amazon Resource Name (ARN) is specified, then AWS Device Farm returns a list of all projects for the AWS account. You can also specify a project ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "projects": [
    {
      "arn": "string",
      "created": number,
      "defaultJobTimeoutMinutes": number,
      "environmentVariables": [
        {
          "name": "string",
          "value": "string"
        }
      ],
      "executionRoleArn": "string",
      "name": "string",
      "vpcConfig": {
        "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.

### nextToken

If the number of items that are returned is significantly large, this is an identifier that is also returned. It can be used in a subsequent call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## [projects](#)

Information about the projects.

Type: Array of [Project](#) objects

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### message

Any additional information about the exception.

## HTTP Status Code: 400

### 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](#)

# ListRemoteAccessSessions

Returns a list of all currently running remote access sessions.

## Request Syntax

```
{  
  "arn": "string",  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the project about which you are requesting information.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
```

```
"nextToken": "string",
"remoteAccessSessions": [
  {
    "appUpload": "string",
    "arn": "string",
    "billingMethod": "string",
    "created": number,
    "device": {
      "arn": "string",
      "availability": "string",
      "carrier": "string",
      "cpu": {
        "architecture": "string",
        "clock": number,
        "frequency": "string"
      },
      "fleetName": "string",
      "fleetType": "string",
      "formFactor": "string",
      "heapSize": number,
      "image": "string",
      "instances": [
        {
          "arn": "string",
          "deviceArn": "string",
          "instanceProfile": {
            "arn": "string",
            "description": "string",
            "excludeAppPackagesFromCleanup": [ "string" ],
            "name": "string",
            "packageCleanup": boolean,
            "rebootAfterUse": boolean
          },
          "labels": [ "string" ],
          "status": "string",
          "udid": "string"
        }
      ],
      "manufacturer": "string",
      "memory": number,
      "model": "string",
      "modelId": "string",
      "name": "string",
      "os": "string",
```

```
    "platform": "string",
    "radio": "string",
    "remoteAccessEnabled": boolean,
    "remoteDebugEnabled": boolean,
    "resolution": {
      "height": number,
      "width": number
    }
  },
  "deviceMinutes": {
    "metered": number,
    "total": number,
    "unmetered": number
  },
  "deviceProxy": {
    "host": "string",
    "port": number
  },
  "deviceUdid": "string",
  "endpoint": "string",
  "endpoints": {
    "interactiveEndpoint": "string",
    "remoteDriverEndpoint": "string"
  },
  "instanceArn": "string",
  "interactionMode": "string",
  "message": "string",
  "name": "string",
  "result": "string",
  "skipAppResign": boolean,
  "started": number,
  "status": "string",
  "stopped": number,
  "vpcConfig": {
    "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.

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

### remoteAccessSessions

A container that represents the metadata from the service about each remote access session you are requesting.

Type: Array of [RemoteAccessSession](#) objects

## Errors

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListRuns

Gets information about runs, given an AWS Device Farm project ARN.

## Request Syntax

```
{  
  "arn": "string",  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the project for which you want to list runs.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
```

```
"nextToken": "string",
"runs": [
  {
    "appUpload": "string",
    "arn": "string",
    "billingMethod": "string",
    "completedJobs": number,
    "counters": {
      "errored": number,
      "failed": number,
      "passed": number,
      "skipped": number,
      "stopped": number,
      "total": number,
      "warned": number
    },
    "created": number,
    "customerArtifactPaths": {
      "androidPaths": [ "string" ],
      "deviceHostPaths": [ "string" ],
      "iosPaths": [ "string" ]
    },
    "deviceMinutes": {
      "metered": number,
      "total": number,
      "unmetered": number
    },
    "devicePoolArn": "string",
    "deviceProxy": {
      "host": "string",
      "port": number
    },
    "deviceSelectionResult": {
      "filters": [
        {
          "attribute": "string",
          "operator": "string",
          "values": [ "string" ]
        }
      ],
      "matchedDevicesCount": number,
      "maxDevices": number
    },
    "environmentVariables": [
```

```
{
  "name": "string",
  "value": "string"
},
],
"eventCount": number,
"executionRoleArn": "string",
"jobTimeoutMinutes": number,
"locale": "string",
"location": {
  "latitude": number,
  "longitude": number
},
"message": "string",
"name": "string",
"networkProfile": {
  "arn": "string",
  "description": "string",
  "downlinkBandwidthBits": number,
  "downlinkDelayMs": number,
  "downlinkJitterMs": number,
  "downlinkLossPercent": number,
  "name": "string",
  "type": "string",
  "uplinkBandwidthBits": number,
  "uplinkDelayMs": number,
  "uplinkJitterMs": number,
  "uplinkLossPercent": number
},
"parsingResultUrl": "string",
"platform": "string",
"radios": {
  "bluetooth": boolean,
  "gps": boolean,
  "nfc": boolean,
  "wifi": boolean
},
"result": "string",
"resultCode": "string",
"seed": number,
"skipAppResign": boolean,
"started": number,
"status": "string",
"stopped": number,
```

```
    "testSpecArn": "string",
    "totalJobs": number,
    "type": "string",
    "vpcConfig": {
      "securityGroupIds": [ "string" ],
      "subnetIds": [ "string" ],
      "vpcId": "string"
    },
    "webUrl": "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

If the number of items that are returned is significantly large, this is an identifier that is also returned. It can be used in a subsequent call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

### runs

Information about the runs.

Type: Array of [Run](#) objects

## Errors

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

### ArgumentException

An invalid argument was specified.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**LimitExceededException**

A limit was exceeded.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**NotFoundException**

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**ServiceAccountException**

There was a problem with the service account.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**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](#)

# ListSamples

Gets information about samples, given an AWS Device Farm job ARN.

## Request Syntax

```
{  
  "arn": "string",  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the job used to list samples.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
```

```
"nextToken": "string",
"samples": [
  {
    "arn": "string",
    "type": "string",
    "url": "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

If the number of items that are returned is significantly large, this is an identifier that is also returned. It can be used in a subsequent call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

### samples

Information about the samples.

Type: Array of [Sample](#) objects

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **ServiceAccountException**

There was a problem with the service account.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **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](#)

# ListSuites

Gets information about test suites for a given job.

## Request Syntax

```
{  
  "arn": "string",  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The job's Amazon Resource Name (ARN).

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
```

```
"nextToken": "string",
"suites": [
  {
    "arn": "string",
    "counters": {
      "errored": number,
      "failed": number,
      "passed": number,
      "skipped": number,
      "stopped": number,
      "total": number,
      "warned": number
    },
    "created": number,
    "deviceMinutes": {
      "metered": number,
      "total": number,
      "unmetered": number
    },
    "message": "string",
    "name": "string",
    "result": "string",
    "started": number,
    "status": "string",
    "stopped": number,
    "type": "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

If the number of items that are returned is significantly large, this is an identifier that is also returned. It can be used in a subsequent call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## [suites](#)

Information about the suites.

Type: Array of [Suite](#) objects

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

## message

Any additional information about the exception.

HTTP Status Code: 400

## 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

List the tags for an AWS Device Farm resource.

## Request Syntax

```
{
  "ResourceARN": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### ResourceARN

The Amazon Resource Name (ARN) of the resource or resources for which to list tags. You can associate tags with the following Device Farm resources: PROJECT, TESTGRID\_PROJECT, RUN, NETWORK\_PROFILE, INSTANCE\_PROFILE, DEVICE\_INSTANCE, SESSION, DEVICE\_POOL, DEVICE, and VPCE\_CONFIGURATION.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

## Response Syntax

```
{
  "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 to add to the resource. A tag is an array of key-value pairs. Tag keys can have a maximum character length of 128 characters. Tag values can have a maximum length of 256 characters.

Type: Array of [Tag](#) objects

Array Members: Maximum number of 150 items.

## Errors

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **TagOperationException**

The operation was not successful. Try again.

## HTTP Status Code: 400

### 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](#)

# ListTestGridProjects

Gets a list of all Selenium testing projects in your account.

## Request Syntax

```
{  
  "maxResult": number,  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### maxResult

Return no more than this number of results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

### nextToken

From a response, used to continue a paginated listing.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{  
  "nextToken": "string",  
}
```

```
"testGridProjects": [
  {
    "arn": "string",
    "created": number,
    "description": "string",
    "name": "string",
    "vpcConfig": {
      "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.

### nextToken

Used for pagination. Pass into [ListTestGridProjects](#) to get more results in a paginated request.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

### testGridProjects

The list of TestGridProjects, based on a [ListTestGridProjectsRequest](#).

Type: Array of [TestGridProject](#) objects

## Errors

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

### **ArgumentException**

An invalid argument was specified.

## message

Any additional information about the exception.

HTTP Status Code: 400

## InternalServiceException

An internal exception was raised in the service. Contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com) if you see this error.

HTTP Status Code: 500

## 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](#)

# ListTestGridSessionActions

Returns a list of the actions taken in a [TestGridSession](#).

## Request Syntax

```
{
  "maxResult": number,
  "nextToken": "string",
  "sessionArn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [maxResult](#)

The maximum number of sessions to return per response.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

### [nextToken](#)

Pagination token.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

### [sessionArn](#)

The ARN of the session to retrieve.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

## Response Syntax

```
{
  "actions": [
    {
      "action": "string",
      "duration": number,
      "requestMethod": "string",
      "started": number,
      "statusCode": "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.

### actions

The action taken by the session.

Type: Array of [TestGridSessionAction](#) objects

### nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## Errors

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

## ArgumentException

An invalid argument was specified.

### message

Any additional information about the exception.

HTTP Status Code: 400

## InternalServerErrorException

An internal exception was raised in the service. Contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com) if you see this error.

HTTP Status Code: 500

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListTestGridSessionArtifacts

Retrieves a list of artifacts created during the session.

## Request Syntax

```
{
  "maxResult": number,
  "nextToken": "string",
  "sessionArn": "string",
  "type": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [maxResult](#)

The maximum number of results to be returned by a request.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

### [nextToken](#)

Pagination token.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

### [sessionArn](#)

The ARN of a [TestGridSession](#).

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

### type

Limit results to a specified type of artifact.

Type: String

Valid Values: VIDEO | LOG

Required: No

## Response Syntax

```
{
  "artifacts": [
    {
      "filename": "string",
      "type": "string",
      "url": "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.

### artifacts

A list of test grid session artifacts for a [TestGridSession](#).

Type: Array of [TestGridSessionArtifact](#) objects

## nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### InternalServiceException

An internal exception was raised in the service. Contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com) if you see this error.

HTTP Status Code: 500

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListTestGridSessions

Retrieves a list of sessions for a [TestGridProject](#).

## Request Syntax

```
{
  "creationTimeAfter": number,
  "creationTimeBefore": number,
  "endTimeAfter": number,
  "endTimeBefore": number,
  "maxResult": number,
  "nextToken": "string",
  "projectArn": "string",
  "status": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [creationTimeAfter](#)

Return only sessions created after this time.

Type: Timestamp

Required: No

### [creationTimeBefore](#)

Return only sessions created before this time.

Type: Timestamp

Required: No

### [endTimeAfter](#)

Return only sessions that ended after this time.

Type: Timestamp

Required: No

### endTimeBefore

Return only sessions that ended before this time.

Type: Timestamp

Required: No

### maxResult

Return only this many results at a time.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

### nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

### projectArn

ARN of a [TestGridProject](#).

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

### status

Return only sessions in this state.

Type: String

Valid Values: ACTIVE | CLOSED | ERRORED

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "testGridSessions": [
    {
      "arn": "string",
      "billingMinutes": number,
      "created": number,
      "ended": number,
      "seleniumProperties": "string",
      "status": "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

Pagination token.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

### testGridSessions

The sessions that match the criteria in a [ListTestGridSessionsRequest](#).

Type: Array of [TestGridSession](#) objects

## Errors

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

## ArgumentException

An invalid argument was specified.

### message

Any additional information about the exception.

HTTP Status Code: 400

## InternalServerErrorException

An internal exception was raised in the service. Contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com) if you see this error.

HTTP Status Code: 500

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListTests

Gets information about tests in a given test suite.

## Request Syntax

```
{  
  "arn": "string",  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The test suite's Amazon Resource Name (ARN).

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
```

```
"nextToken": "string",
"tests": [
  {
    "arn": "string",
    "counters": {
      "errored": number,
      "failed": number,
      "passed": number,
      "skipped": number,
      "stopped": number,
      "total": number,
      "warned": number
    },
    "created": number,
    "deviceMinutes": {
      "metered": number,
      "total": number,
      "unmetered": number
    },
    "message": "string",
    "name": "string",
    "result": "string",
    "started": number,
    "status": "string",
    "stopped": number,
    "type": "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

If the number of items that are returned is significantly large, this is an identifier that is also returned. It can be used in a subsequent call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## tests

Information about the tests.

Type: Array of [Test](#) objects

## Errors

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

### ArgumentException

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

## message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListUniqueProblems

Gets information about unique problems, such as exceptions or crashes.

Unique problems are defined as a single instance of an error across a run, job, or suite. For example, if a call in your application consistently raises an exception (`OutOfBoundsException` in `MyActivity.java:386`), `ListUniqueProblems` returns a single entry instead of many individual entries for that exception.

## Request Syntax

```
{
  "arn": "string",
  "nextToken": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The unique problems' ARNs.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "uniqueProblems": {
    "string" : [
      {
        "message": "string",
        "problems": [
          {
            "device": {
              "arn": "string",
              "availability": "string",
              "carrier": "string",
              "cpu": {
                "architecture": "string",
                "clock": number,
                "frequency": "string"
              },
              "fleetName": "string",
              "fleetType": "string",
              "formFactor": "string",
              "heapSize": number,
              "image": "string",
              "instances": [
                {
                  "arn": "string",
                  "deviceArn": "string",
                  "instanceProfile": {
                    "arn": "string",
                    "description": "string",
                    "excludeAppPackagesFromCleanup": [ "string" ],
                    "name": "string",
                    "packageCleanup": boolean,
                    "rebootAfterUse": boolean
                  },
                  "labels": [ "string" ],
                  "status": "string",
                  "udid": "string"
                }
              ]
            },
            "manufacturer": "string",
            "memory": number,
```

```

    "model": "string",
    "modelId": "string",
    "name": "string",
    "os": "string",
    "platform": "string",
    "radio": "string",
    "remoteAccessEnabled": boolean,
    "remoteDebugEnabled": boolean,
    "resolution": {
      "height": number,
      "width": number
    }
  },
  "job": {
    "arn": "string",
    "name": "string"
  },
  "message": "string",
  "result": "string",
  "run": {
    "arn": "string",
    "name": "string"
  },
  "suite": {
    "arn": "string",
    "name": "string"
  },
  "test": {
    "arn": "string",
    "name": "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

If the number of items that are returned is significantly large, this is an identifier that is also returned. It can be used in a subsequent call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

## uniqueProblems

Information about the unique problems.

Allowed values include:

- PENDING
- PASSED
- WARNED
- FAILED
- SKIPPED
- ERRORED
- STOPPED

Type: String to array of [UniqueProblem](#) objects map

Valid Keys: PENDING | PASSED | WARNED | FAILED | SKIPPED | ERRORED | STOPPED

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListUploads

Gets information about uploads, given an AWS Device Farm project ARN.

## Request Syntax

```
{
  "arn": "string",
  "nextToken": "string",
  "type": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the project for which you want to list uploads.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### nextToken

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

### type

The type of upload.

Must be one of the following values:

- ANDROID\_APP
- IOS\_APP
- WEB\_APP
- EXTERNAL\_DATA
- APPIUM\_JAVA\_JUNIT\_TEST\_PACKAGE
- APPIUM\_JAVA\_TESTNG\_TEST\_PACKAGE
- APPIUM\_PYTHON\_TEST\_PACKAGE
- APPIUM\_NODE\_TEST\_PACKAGE
- APPIUM\_RUBY\_TEST\_PACKAGE
- APPIUM\_WEB\_JAVA\_JUNIT\_TEST\_PACKAGE
- APPIUM\_WEB\_JAVA\_TESTNG\_TEST\_PACKAGE
- APPIUM\_WEB\_PYTHON\_TEST\_PACKAGE
- APPIUM\_WEB\_NODE\_TEST\_PACKAGE
- APPIUM\_WEB\_RUBY\_TEST\_PACKAGE
- INSTRUMENTATION\_TEST\_PACKAGE
- XCTEST\_TEST\_PACKAGE
- XCTEST\_UI\_TEST\_PACKAGE
- APPIUM\_JAVA\_JUNIT\_TEST\_SPEC
- APPIUM\_JAVA\_TESTNG\_TEST\_SPEC
- APPIUM\_PYTHON\_TEST\_SPEC
- APPIUM\_NODE\_TEST\_SPEC
- APPIUM\_RUBY\_TEST\_SPEC
- APPIUM\_WEB\_JAVA\_JUNIT\_TEST\_SPEC
- APPIUM\_WEB\_JAVA\_TESTNG\_TEST\_SPEC
- APPIUM\_WEB\_PYTHON\_TEST\_SPEC
- APPIUM\_WEB\_NODE\_TEST\_SPEC
- APPIUM\_WEB\_RUBY\_TEST\_SPEC
- INSTRUMENTATION\_TEST\_SPEC
- XCTEST\_UI\_TEST\_SPEC

## Type: String

Valid Values: ANDROID\_APP | IOS\_APP | WEB\_APP | EXTERNAL\_DATA |  
APPIUM\_JAVA\_JUNIT\_TEST\_PACKAGE | APPIUM\_JAVA\_TESTNG\_TEST\_PACKAGE  
| APPIUM\_PYTHON\_TEST\_PACKAGE | APPIUM\_NODE\_TEST\_PACKAGE |  
APPIUM\_RUBY\_TEST\_PACKAGE | APPIUM\_WEB\_JAVA\_JUNIT\_TEST\_PACKAGE |  
APPIUM\_WEB\_JAVA\_TESTNG\_TEST\_PACKAGE | APPIUM\_WEB\_PYTHON\_TEST\_PACKAGE  
| APPIUM\_WEB\_NODE\_TEST\_PACKAGE | APPIUM\_WEB\_RUBY\_TEST\_PACKAGE  
| CALABASH\_TEST\_PACKAGE | INSTRUMENTATION\_TEST\_PACKAGE  
| UIAUTOMATION\_TEST\_PACKAGE | UIAUTOMATOR\_TEST\_PACKAGE  
| XCTEST\_TEST\_PACKAGE | XCTEST\_UI\_TEST\_PACKAGE |  
APPIUM\_JAVA\_JUNIT\_TEST\_SPEC | APPIUM\_JAVA\_TESTNG\_TEST\_SPEC |  
APPIUM\_PYTHON\_TEST\_SPEC | APPIUM\_NODE\_TEST\_SPEC | APPIUM\_RUBY\_TEST\_SPEC  
| APPIUM\_WEB\_JAVA\_JUNIT\_TEST\_SPEC | APPIUM\_WEB\_JAVA\_TESTNG\_TEST\_SPEC  
| APPIUM\_WEB\_PYTHON\_TEST\_SPEC | APPIUM\_WEB\_NODE\_TEST\_SPEC  
| APPIUM\_WEB\_RUBY\_TEST\_SPEC | INSTRUMENTATION\_TEST\_SPEC |  
XCTEST\_UI\_TEST\_SPEC

Required: No

## Response Syntax

```
{
  "nextToken": "string",
  "uploads": [
    {
      "arn": "string",
      "category": "string",
      "contentType": "string",
      "created": number,
      "message": "string",
      "metadata": "string",
      "name": "string",
      "status": "string",
      "type": "string",
      "url": "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

If the number of items that are returned is significantly large, this is an identifier that is also returned. It can be used in a subsequent call to this operation to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

### uploads

Information about the uploads.

Type: Array of [Upload](#) objects

## Errors

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# ListVPCEConfigurations

Returns information about all Amazon Virtual Private Cloud (VPC) endpoint configurations in the AWS account.

## Request Syntax

```
{  
  "maxResults": number,  
  "nextToken": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [maxResults](#)

An integer that specifies the maximum number of items you want to return in the API response.

Type: Integer

Required: No

### [nextToken](#)

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

## Response Syntax

```
{  
  "nextToken": "string",  
  "vpceConfigurations": [  
    {  
      "vpceConfiguration": {  
        "vpceConfigurationId": "string",  
        "vpceConfigurationName": "string",  
        "vpceConfigurationType": "string",  
        "vpceConfigurationStatus": "string",  
        "vpceConfigurationCreationTime": "string",  
        "vpceConfigurationModificationTime": "string",  
        "vpceConfigurationLastModifiedBy": "string",  
        "vpceConfigurationLastModifiedTime": "string",  
        "vpceConfigurationCreationTime": "string",  
        "vpceConfigurationModificationTime": "string",  
        "vpceConfigurationLastModifiedBy": "string",  
        "vpceConfigurationLastModifiedTime": "string"  
      }  
    }  
  ]  
}
```

```
{
  "arn": "string",
  "serviceDnsName": "string",
  "vpceConfigurationDescription": "string",
  "vpceConfigurationName": "string",
  "vpceServiceName": "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

An identifier that was returned from the previous call to this operation, which can be used to return the next set of items in the list.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

### vpceConfigurations

An array of `VPCEConfiguration` objects that contain information about your VPC endpoint configuration.

Type: Array of [VPCEConfiguration](#) objects

## Errors

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **ServiceAccountException**

There was a problem with the service account.

### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **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](#)

# PurchaseOffering

Immediately purchases offerings for an AWS account. Offerings renew with the latest total purchased quantity for an offering, unless the renewal was overridden. The API returns a `NotEligible` error if the user is not permitted to invoke the operation. If you must be able to invoke this operation, contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com).

## Request Syntax

```
{
  "offeringId": "string",
  "offeringPromotionId": "string",
  "quantity": number
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### offeringId

The ID of the offering.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

### offeringPromotionId

The ID of the offering promotion to be applied to the purchase.

Type: String

Length Constraints: Minimum length of 4.

Required: No

### quantity

The number of device slots to purchase in an offering request.

Type: Integer

Required: Yes

## Response Syntax

```
{
  "offeringTransaction": {
    "cost": {
      "amount": number,
      "currencyCode": "string"
    },
    "createdOn": number,
    "offeringPromotionId": "string",
    "offeringStatus": {
      "effectiveOn": number,
      "offering": {
        "description": "string",
        "id": "string",
        "platform": "string",
        "recurringCharges": [
          {
            "cost": {
              "amount": number,
              "currencyCode": "string"
            },
            "frequency": "string"
          }
        ],
        "type": "string"
      },
      "quantity": number,
      "type": "string"
    },
    "transactionId": "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.

### offeringTransaction

Represents the offering transaction for the purchase result.

Type: [OfferingTransaction](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotEligibleException

Exception gets thrown when a user is not eligible to perform the specified transaction.

#### message

The HTTP response code of a Not Eligible exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

**ServiceAccountException**

There was a problem with the service account.

**message**

Any additional information about the exception.

HTTP Status Code: 400

## Examples

### Example

The following example purchases one unmetered iOS device.

#### Sample Request

```
{
  "transactions": [
    "purchase": {
      "offeringId": "offering-id-ios",
      "quantity": 1
    }
  ]
}
```

#### Sample Response

```
{
  "offeringTransaction": {
    "createdOn": 1458587590.308,
    "offeringStatus": {
      "effectiveOn": 1458587590.24,
      "type": "RECURRING",
      "offering": {
        "platform": "IOS",
```

```
        "type": "RECURRING",
        "id": "offering-id-ios",
        "description": "iOS Unmetered Device Slot"
    },
    "quantity": 1
},
"cost": {
    "amount": 80.65,
    "currencyCode": "USD"
},
"transactionId": "transaction-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](#)

# RenewOffering

Explicitly sets the quantity of devices to renew for an offering, starting from the `effectiveDate` of the next period. The API returns a `NotEligible` error if the user is not permitted to invoke the operation. If you must be able to invoke this operation, contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com).

## Request Syntax

```
{
  "offeringId": "string",
  "quantity": number
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [offeringId](#)

The ID of a request to renew an offering.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

### [quantity](#)

The quantity requested in an offering renewal.

Type: Integer

Required: Yes

## Response Syntax

```
{
```

```
"offeringTransaction": {
  "cost": {
    "amount": number,
    "currencyCode": "string"
  },
  "createdOn": number,
  "offeringPromotionId": "string",
  "offeringStatus": {
    "effectiveOn": number,
    "offering": {
      "description": "string",
      "id": "string",
      "platform": "string",
      "recurringCharges": [
        {
          "cost": {
            "amount": number,
            "currencyCode": "string"
          },
          "frequency": "string"
        }
      ],
      "type": "string"
    },
    "quantity": number,
    "type": "string"
  },
  "transactionId": "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.

### offeringTransaction

Represents the status of the offering transaction for the renewal.

Type: [OfferingTransaction](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotEligibleException

Exception gets thrown when a user is not eligible to perform the specified transaction.

#### message

The HTTP response code of a Not Eligible exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

## message

Any additional information about the exception.

HTTP Status Code: 400

## Examples

### Example

The following example renews the offering for one unmetered iOS device.

### Sample Request

```
{
  "transactions": [
    "renew": {
      "offeringId": "offering-id-ios",
      "quantity": 1,
    }
  ]
}
```

### Sample Response

```
{
  "offeringTransaction": {
    "createdOn": 1458596930.431,
    "offeringStatus": {
      "effectiveOn": 1459468800.0,
      "type": "RECURRING",
      "offering": {
        "platform": "IOS",
        "type": "RECURRING",
        "id": "offering-id-ios",
        "description": "iOS Unmetered Device Slot"
      },
      "quantity": 1
    },
    "cost": {
      "amount": 250.0,
      "currencyCode": "USD"
    }
  }
}
```

```
    },  
    "transactionId": "transaction-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](#)

# ScheduleRun

Schedules a run.

## Request Syntax

```
{
  "appArn": "string",
  "configuration": {
    "auxiliaryApps": [ "string" ],
    "billingMethod": "string",
    "customerArtifactPaths": {
      "androidPaths": [ "string" ],
      "deviceHostPaths": [ "string" ],
      "iosPaths": [ "string" ]
    },
    "deviceProxy": {
      "host": "string",
      "port": number
    },
    "environmentVariables": [
      {
        "name": "string",
        "value": "string"
      }
    ],
    "executionRoleArn": "string",
    "extraDataPackageArn": "string",
    "locale": "string",
    "location": {
      "latitude": number,
      "longitude": number
    },
    "networkProfileArn": "string",
    "radios": {
      "bluetooth": boolean,
      "gps": boolean,
      "nfc": boolean,
      "wifi": boolean
    },
    "vpceConfigurationArns": [ "string" ]
  },
  "devicePoolArn": "string",
```

```
"deviceSelectionConfiguration": {
  "filters": [
    {
      "attribute": "string",
      "operator": "string",
      "values": [ "string" ]
    }
  ],
  "maxDevices": number
},
"executionConfiguration": {
  "accountsCleanup": boolean,
  "appPackagesCleanup": boolean,
  "jobTimeoutMinutes": number,
  "skipAppResign": boolean,
  "videoCapture": boolean
},
"name": "string",
"projectArn": "string",
"test": {
  "filter": "string",
  "parameters": {
    "string": "string"
  },
  "testPackageArn": "string",
  "testSpecArn": "string",
  "type": "string"
}
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### appArn

The ARN of an application package to run tests against, created with [CreateUpload](#). See [ListUploads](#).

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### configuration

Information about the settings for the run to be scheduled.

Type: [ScheduleRunConfiguration](#) object

Required: No

### devicePoolArn

The ARN of the device pool for the run to be scheduled.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### deviceSelectionConfiguration

The filter criteria used to dynamically select a set of devices for a test run and the maximum number of devices to be included in the run.

Either **devicePoolArn** or **deviceSelectionConfiguration** is required in a request.

Type: [DeviceSelectionConfiguration](#) object

Required: No

### executionConfiguration

Specifies configuration information about a test run, such as the execution timeout (in minutes).

Type: [ExecutionConfiguration](#) object

Required: No

### name

The name for the run to be scheduled.

Type: String

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

Required: No

### projectArn

The ARN of the project for the run to be scheduled.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

### test

Information about the test for the run to be scheduled.

Type: [ScheduleRunTest](#) object

Required: Yes

## Response Syntax

```
{
  "run": {
    "appUpload": "string",
    "arn": "string",
    "billingMethod": "string",
    "completedJobs": number,
    "counters": {
      "errored": number,
      "failed": number,
      "passed": number,
      "skipped": number,
      "stopped": number,
      "total": number,
      "warned": number
    },
    "created": number,
    "customerArtifactPaths": {
      "androidPaths": [ "string" ],
      "deviceHostPaths": [ "string" ],
```

```
    "iosPaths": [ "string" ]
  },
  "deviceMinutes": {
    "metered": number,
    "total": number,
    "unmetered": number
  },
  "devicePoolArn": "string",
  "deviceProxy": {
    "host": "string",
    "port": number
  },
  "deviceSelectionResult": {
    "filters": [
      {
        "attribute": "string",
        "operator": "string",
        "values": [ "string" ]
      }
    ],
    "matchedDevicesCount": number,
    "maxDevices": number
  },
  "environmentVariables": [
    {
      "name": "string",
      "value": "string"
    }
  ],
  "eventCount": number,
  "executionRoleArn": "string",
  "jobTimeoutMinutes": number,
  "locale": "string",
  "location": {
    "latitude": number,
    "longitude": number
  },
  "message": "string",
  "name": "string",
  "networkProfile": {
    "arn": "string",
    "description": "string",
    "downlinkBandwidthBits": number,
    "downlinkDelayMs": number,
```

```
    "downlinkJitterMs": number,
    "downlinkLossPercent": number,
    "name": "string",
    "type": "string",
    "uplinkBandwidthBits": number,
    "uplinkDelayMs": number,
    "uplinkJitterMs": number,
    "uplinkLossPercent": number
  },
  "parsingResultUrl": "string",
  "platform": "string",
  "radios": {
    "bluetooth": boolean,
    "gps": boolean,
    "nfc": boolean,
    "wifi": boolean
  },
  "result": "string",
  "resultCode": "string",
  "seed": number,
  "skipAppResign": boolean,
  "started": number,
  "status": "string",
  "stopped": number,
  "testSpecArn": "string",
  "totalJobs": number,
  "type": "string",
  "vpcConfig": {
    "securityGroupIds": [ "string" ],
    "subnetIds": [ "string" ],
    "vpcId": "string"
  },
  "webUrl": "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.

## [run](#)

Information about the scheduled run.

Type: [Run](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### IdempotencyException

An entity with the same name already exists.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## **ServiceAccountException**

There was a problem with the service account.

### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **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](#)

# StopJob

Initiates a stop request for the current job. AWS Device Farm immediately stops the job on the device where tests have not started. You are not billed for this device. On the device where tests have started, setup suite and teardown suite tests run to completion on the device. You are billed for setup, teardown, and any tests that were in progress or already completed.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

Represents the Amazon Resource Name (ARN) of the Device Farm job to stop.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Syntax

```
{
  "job": {
    "arn": "string",
    "counters": {
      "errored": number,
      "failed": number,
      "passed": number,
      "skipped": number,

```

```
"stopped": number,
"total": number,
"warned": number
},
"created": number,
"device": {
  "arn": "string",
  "availability": "string",
  "carrier": "string",
  "cpu": {
    "architecture": "string",
    "clock": number,
    "frequency": "string"
  },
  "fleetName": "string",
  "fleetType": "string",
  "formFactor": "string",
  "heapSize": number,
  "image": "string",
  "instances": [
    {
      "arn": "string",
      "deviceArn": "string",
      "instanceProfile": {
        "arn": "string",
        "description": "string",
        "excludeAppPackagesFromCleanup": [ "string" ],
        "name": "string",
        "packageCleanup": boolean,
        "rebootAfterUse": boolean
      },
      "labels": [ "string" ],
      "status": "string",
      "udid": "string"
    }
  ],
  "manufacturer": "string",
  "memory": number,
  "model": "string",
  "modelId": "string",
  "name": "string",
  "os": "string",
  "platform": "string",
  "radio": "string",
```

```
    "remoteAccessEnabled": boolean,
    "remoteDebugEnabled": boolean,
    "resolution": {
      "height": number,
      "width": number
    }
  },
  "deviceMinutes": {
    "metered": number,
    "total": number,
    "unmetered": number
  },
  "instanceArn": "string",
  "message": "string",
  "name": "string",
  "result": "string",
  "started": number,
  "status": "string",
  "stopped": number,
  "type": "string",
  "videoCapture": boolean,
  "videoEndpoint": "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.

### [job](#)

The job that was stopped.

Type: [Job](#) object

## Errors

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

## ArgumentException

An invalid argument was specified.

### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# StopRemoteAccessSession

Ends a specified remote access session.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the remote access session to stop.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:.\*+

Required: Yes

## Response Syntax

```
{
  "remoteAccessSession": {
    "appUpload": "string",
    "arn": "string",
    "billingMethod": "string",
    "created": number,
    "device": {
      "arn": "string",
      "availability": "string",
      "carrier": "string",
      "cpu": {
        "architecture": "string",
```

```
    "clock": number,
    "frequency": "string"
  },
  "fleetName": "string",
  "fleetType": "string",
  "formFactor": "string",
  "heapSize": number,
  "image": "string",
  "instances": [
    {
      "arn": "string",
      "deviceArn": "string",
      "instanceProfile": {
        "arn": "string",
        "description": "string",
        "excludeAppPackagesFromCleanup": [ "string" ],
        "name": "string",
        "packageCleanup": boolean,
        "rebootAfterUse": boolean
      },
      "labels": [ "string" ],
      "status": "string",
      "udid": "string"
    }
  ],
  "manufacturer": "string",
  "memory": number,
  "model": "string",
  "modelId": "string",
  "name": "string",
  "os": "string",
  "platform": "string",
  "radio": "string",
  "remoteAccessEnabled": boolean,
  "remoteDebugEnabled": boolean,
  "resolution": {
    "height": number,
    "width": number
  }
},
"deviceMinutes": {
  "metered": number,
  "total": number,
  "unmetered": number
}
```

```
    },
    "deviceProxy": {
      "host": "string",
      "port": number
    },
    "deviceUdid": "string",
    "endpoint": "string",
    "endpoints": {
      "interactiveEndpoint": "string",
      "remoteDriverEndpoint": "string"
    },
    "instanceArn": "string",
    "interactionMode": "string",
    "message": "string",
    "name": "string",
    "result": "string",
    "skipAppResign": boolean,
    "started": number,
    "status": "string",
    "stopped": number,
    "vpcConfig": {
      "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.

### remoteAccessSession

A container that represents the metadata from the service about the remote access session you are stopping.

Type: [RemoteAccessSession](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# StopRun

Initiates a stop request for the current test run. AWS Device Farm immediately stops the run on devices where tests have not started. You are not billed for these devices. On devices where tests have started executing, setup suite and teardown suite tests run to completion on those devices. You are billed for setup, teardown, and any tests that were in progress or already completed.

## Request Syntax

```
{
  "arn": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

Represents the Amazon Resource Name (ARN) of the Device Farm run to stop.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## Response Syntax

```
{
  "run": {
    "appUpload": "string",
    "arn": "string",
    "billingMethod": "string",
    "completedJobs": number,
    "counters": {
      "errored": number,

```

```
    "failed": number,
    "passed": number,
    "skipped": number,
    "stopped": number,
    "total": number,
    "warned": number
  },
  "created": number,
  "customerArtifactPaths": {
    "androidPaths": [ string ],
    "deviceHostPaths": [ string ],
    "iosPaths": [ string ]
  },
  "deviceMinutes": {
    "metered": number,
    "total": number,
    "unmetered": number
  },
  "devicePoolArn": string,
  "deviceProxy": {
    "host": string,
    "port": number
  },
  "deviceSelectionResult": {
    "filters": [
      {
        "attribute": string,
        "operator": string,
        "values": [ string ]
      }
    ],
    "matchedDevicesCount": number,
    "maxDevices": number
  },
  "environmentVariables": [
    {
      "name": string,
      "value": string
    }
  ],
  "eventCount": number,
  "executionRoleArn": string,
  "jobTimeoutMinutes": number,
  "locale": string,
```

```
"location": {
  "latitude": number,
  "longitude": number
},
"message": "string",
"name": "string",
"networkProfile": {
  "arn": "string",
  "description": "string",
  "downlinkBandwidthBits": number,
  "downlinkDelayMs": number,
  "downlinkJitterMs": number,
  "downlinkLossPercent": number,
  "name": "string",
  "type": "string",
  "uplinkBandwidthBits": number,
  "uplinkDelayMs": number,
  "uplinkJitterMs": number,
  "uplinkLossPercent": number
},
"parsingResultUrl": "string",
"platform": "string",
"radios": {
  "bluetooth": boolean,
  "gps": boolean,
  "nfc": boolean,
  "wifi": boolean
},
"result": "string",
"resultCode": "string",
"seed": number,
"skipAppResign": boolean,
"started": number,
"status": "string",
"stopped": number,
"testSpecArn": "string",
"totalJobs": number,
"type": "string",
"vpcConfig": {
  "securityGroupIds": [ "string" ],
  "subnetIds": [ "string" ],
  "vpcId": "string"
},
"webUrl": "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.

### run

The run that was stopped.

Type: [Run](#) object

## Errors

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

### **ArgumentException**

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **ServiceAccountException**

There was a problem with the service account.

### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **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

Associates the specified tags to a resource with the specified `resourceArn`. If existing tags on a resource are not specified in the request parameters, they are not changed. When a resource is deleted, the tags associated with that resource are also deleted.

## Request Syntax

```
{
  "ResourceARN": "string",
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### [ResourceARN](#)

The Amazon Resource Name (ARN) of the resource or resources to which to add tags. You can associate tags with the following Device Farm resources: PROJECT, TESTGRID\_PROJECT, RUN, NETWORK\_PROFILE, INSTANCE\_PROFILE, DEVICE\_INSTANCE, SESSION, DEVICE\_POOL, DEVICE, and VPCE\_CONFIGURATION.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

## Tags

The tags to add to the resource. A tag is an array of key-value pairs. Tag keys can have a maximum character length of 128 characters. Tag values can have a maximum length of 256 characters.

Type: Array of [Tag](#) objects

Array Members: Maximum number of 150 items.

Required: Yes

## Response Elements

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

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### TagOperationException

The operation was not successful. Try again.

HTTP Status Code: 400

## TagPolicyException

The request doesn't comply with the AWS Identity and Access Management (IAM) tag policy. Correct your request and then retry it.

HTTP Status Code: 400

## TooManyTagsException

The list of tags on the repository is over the limit. The maximum number of tags that can be applied to a repository is 50.

HTTP Status Code: 400

## 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

Deletes the specified tags from a resource.

## Request Syntax

```
{  
  "ResourceARN": "string",  
  "TagKeys": [ "string" ]  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### ResourceARN

The Amazon Resource Name (ARN) of the resource or resources from which to delete tags. You can associate tags with the following Device Farm resources: PROJECT, TESTGRID\_PROJECT, RUN, NETWORK\_PROFILE, INSTANCE\_PROFILE, DEVICE\_INSTANCE, SESSION, DEVICE\_POOL, DEVICE, and VPCE\_CONFIGURATION.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### TagKeys

The keys of the tags to be removed.

Type: Array of strings

Array Members: Maximum number of 150 items.

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

Required: Yes

## Response Elements

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

## Errors

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

### ArgumentException

An invalid argument was specified.

**message**

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

**message**

Any additional information about the exception.

HTTP Status Code: 400

### TagOperationException

The operation was not successful. Try again.

HTTP Status Code: 400

## 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](#)

# UpdateDeviceInstance

Updates information about a private device instance.

## Request Syntax

```
{  
  "arn": "string",  
  "labels": [ "string" ],  
  "profileArn": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the device instance.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### labels

An array of strings that you want to associate with the device instance.

Type: Array of strings

Required: No

### profileArn

The ARN of the profile that you want to associate with the device instance.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

## Response Syntax

```
{
  "deviceInstance": {
    "arn": "string",
    "deviceArn": "string",
    "instanceProfile": {
      "arn": "string",
      "description": "string",
      "excludeAppPackagesFromCleanup": [ "string" ],
      "name": "string",
      "packageCleanup": boolean,
      "rebootAfterUse": boolean
    },
    "labels": [ "string" ],
    "status": "string",
    "udid": "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.

### deviceInstance

An object that contains information about your device instance.

Type: [DeviceInstance](#) object

## Errors

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

## ArgumentException

An invalid argument was specified.

### message

Any additional information about the exception.

HTTP Status Code: 400

## LimitExceededException

A limit was exceeded.

### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# UpdateDevicePool

Modifies the name, description, and rules in a device pool given the attributes and the pool ARN. Rule updates are all-or-nothing, meaning they can only be updated as a whole (or not at all).

## Request Syntax

```
{
  "arn": "string",
  "clearMaxDevices": boolean,
  "description": "string",
  "maxDevices": number,
  "name": "string",
  "rules": [
    {
      "attribute": "string",
      "operator": "string",
      "value": "string"
    }
  ]
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the Device Farm device pool to update.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### clearMaxDevices

Sets whether the `maxDevices` parameter applies to your device pool. If you set this parameter to `true`, the `maxDevices` parameter does not apply, and Device Farm does not limit the

number of devices that it adds to your device pool. In this case, Device Farm adds all available devices that meet the criteria specified in the `rules` parameter.

If you use this parameter in your request, you cannot use the `maxDevices` parameter in the same request.

Type: Boolean

Required: No

### description

A description of the device pool to update.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### maxDevices

The number of devices that Device Farm can add to your device pool. Device Farm adds devices that are available and that meet the criteria that you assign for the `rules` parameter. Depending on how many devices meet these constraints, your device pool might contain fewer devices than the value for this parameter.

By specifying the maximum number of devices, you can control the costs that you incur by running tests.

If you use this parameter in your request, you cannot use the `clearMaxDevices` parameter in the same request.

Type: Integer

Required: No

### name

A string that represents the name of the device pool to update.

Type: String

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

Required: No

## rules

Represents the rules to modify for the device pool. Updating rules is optional. If you update rules for your request, the update replaces the existing rules.

Type: Array of [Rule](#) objects

Required: No

## Response Syntax

```
{
  "devicePool": {
    "arn": "string",
    "description": "string",
    "maxDevices": number,
    "name": "string",
    "rules": [
      {
        "attribute": "string",
        "operator": "string",
        "value": "string"
      }
    ],
    "type": "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.

### devicePool

The device pool you just updated.

Type: [DevicePool](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# UpdateInstanceProfile

Updates information about an existing private device instance profile.

## Request Syntax

```
{
  "arn": "string",
  "description": "string",
  "excludeAppPackagesFromCleanup": [ "string" ],
  "name": "string",
  "packageCleanup": boolean,
  "rebootAfterUse": boolean
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the instance profile.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

### description

The updated description for your instance profile.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### excludeAppPackagesFromCleanup

An array of strings that specifies the list of app packages that should not be cleaned up from the device after a test run is over.

The list of packages is only considered if you set `packageCleanup` to `true`.

Type: Array of strings

Required: No

### name

The updated name for your instance profile.

Type: String

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

Required: No

### packageCleanup

The updated choice for whether you want to specify package cleanup. The default value is `false` for private devices.

Type: Boolean

Required: No

### rebootAfterUse

The updated choice for whether you want to reboot the device after use. The default value is `true`.

Type: Boolean

Required: No

## Response Syntax

```
{
  "instanceProfile": {
```

```
"arn": "string",  
"description": "string",  
"excludeAppPackagesFromCleanup": [ "string" ],  
"name": "string",  
"packageCleanup": boolean,  
"rebootAfterUse": 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.

### instanceProfile

An object that contains information about your instance profile.

Type: [InstanceProfile](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## NotFoundException

The specified entity was not found.

### message

Any additional information about the exception.

HTTP Status Code: 400

## ServiceAccountException

There was a problem with the service account.

### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# UpdateNetworkProfile

Updates the network profile.

## Request Syntax

```
{
  "arn": "string",
  "description": "string",
  "downlinkBandwidthBits": number,
  "downlinkDelayMs": number,
  "downlinkJitterMs": number,
  "downlinkLossPercent": number,
  "name": "string",
  "type": "string",
  "uplinkBandwidthBits": number,
  "uplinkDelayMs": number,
  "uplinkJitterMs": number,
  "uplinkLossPercent": number
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the project for which you want to update network profile settings.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:..+`

Required: Yes

### description

The description of the network profile about which you are returning information.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### downlinkBandwidthBits

The data throughput rate in bits per second, as an integer from 0 to 104857600.

Type: Long

Required: No

### downlinkDelayMs

Delay time for all packets to destination in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### downlinkJitterMs

Time variation in the delay of received packets in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### downlinkLossPercent

Proportion of received packets that fail to arrive from 0 to 100 percent.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

### name

The name of the network profile about which you are returning information.

Type: String

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

Required: No

### type

The type of network profile to return information about. Valid values are listed here.

Type: String

Valid Values: CURATED | PRIVATE

Required: No

### uplinkBandwidthBits

The data throughput rate in bits per second, as an integer from 0 to 104857600.

Type: Long

Required: No

### uplinkDelayMs

Delay time for all packets to destination in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### uplinkJitterMs

Time variation in the delay of received packets in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### uplinkLossPercent

Proportion of transmitted packets that fail to arrive from 0 to 100 percent.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

## Response Syntax

```
{
  "networkProfile": {
    "arn": "string",
    "description": "string",
    "downlinkBandwidthBits": number,
    "downlinkDelayMs": number,
    "downlinkJitterMs": number,
    "downlinkLossPercent": number,
    "name": "string",
    "type": "string",
    "uplinkBandwidthBits": number,
    "uplinkDelayMs": number,
    "uplinkJitterMs": number,
    "uplinkLossPercent": number
  }
}
```

## 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.

### networkProfile

A list of the available network profiles.

Type: [NetworkProfile](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### **LimitExceededException**

A limit was exceeded.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **NotFoundException**

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### **ServiceAccountException**

There was a problem with the service account.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

## **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](#)

# UpdateProject

Modifies the specified project name, given the project ARN and a new name.

## Request Syntax

```
{
  "arn": "string",
  "defaultJobTimeoutMinutes": number,
  "environmentVariables": [
    {
      "name": "string",
      "value": "string"
    }
  ],
  "executionRoleArn": "string",
  "name": "string",
  "vpcConfig": {
    "securityGroupIds": [ "string" ],
    "subnetIds": [ "string" ],
    "vpcId": "string"
  }
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the project whose name to update.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

## defaultJobTimeoutMinutes

The number of minutes a test run in the project executes before it times out.

Type: Integer

Required: No

## environmentVariables

A set of environment variables which are used by default for all runs in the project. These environment variables are applied to the test run during the execution of a test spec file.

For more information about using test spec files, please see [Custom test environments](#) in *AWS Device Farm*.

Type: Array of [EnvironmentVariable](#) objects

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

## executionRoleArn

An IAM role to be assumed by the test host for all runs in the project.

Type: String

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

Pattern: `^arn:aws:iam:[0-9]{12}:role/.+`

Required: No

## name

A string that represents the new name of the project that you are updating.

Type: String

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

Required: No

## [vpcConfig](#)

The VPC security groups and subnets that are attached to a project.

Type: [VpcConfig](#) object

Required: No

## Response Syntax

```
{
  "project": {
    "arn": "string",
    "created": number,
    "defaultJobTimeoutMinutes": number,
    "environmentVariables": [
      {
        "name": "string",
        "value": "string"
      }
    ],
    "executionRoleArn": "string",
    "name": "string",
    "vpcConfig": {
      "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.

### [project](#)

The project to update.

Type: [Project](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# UpdateTestGridProject

Change details of a project.

## Request Syntax

```
{
  "description": "string",
  "name": "string",
  "projectArn": "string",
  "vpcConfig": {
    "securityGroupIds": [ "string" ],
    "subnetIds": [ "string" ],
    "vpcId": "string"
  }
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### description

Human-readable description for the project.

Type: String

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

Pattern: `.*\S.*`

Required: No

### name

Human-readable name for the project.

Type: String

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

Pattern: `.*\S.*`

Required: No

### [projectArn](#)

ARN of the project to update.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

### [vpcConfig](#)

The VPC security groups and subnets that are attached to a project.

Type: [TestGridVpcConfig](#) object

Required: No

## Response Syntax

```
{
  "testGridProject": {
    "arn": "string",
    "created": number,
    "description": "string",
    "name": "string",
    "vpcConfig": {
      "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.

### testGridProject

The project, including updated information.

Type: [TestGridProject](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

**message**

Any additional information about the exception.

HTTP Status Code: 400

### InternalServiceException

An internal exception was raised in the service. Contact [aws-devicefarm-support@amazon.com](mailto:aws-devicefarm-support@amazon.com) if you see this error.

HTTP Status Code: 500

### LimitExceededException

A limit was exceeded.

**message**

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

**message**

Any additional information about the exception.

## HTTP Status Code: 400

### 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](#)

# UpdateUpload

Updates an uploaded test spec.

## Request Syntax

```
{
  "arn": "string",
  "contentType": "string",
  "editContent": boolean,
  "name": "string"
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the uploaded test spec.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: ^arn:aws:devicefarm:..+

Required: Yes

### contentType

The upload's content type (for example, `application/x-yaml`).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Required: No

### editContent

Set to true if the YAML file has changed and must be updated. Otherwise, set to false.

Type: Boolean

Required: No

### name

The upload's test spec file name. The name must not contain any forward slashes (/). The test spec file name must end with the .yaml or .yml file extension.

Type: String

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

Required: No

## Response Syntax

```
{
  "upload": {
    "arn": "string",
    "category": "string",
    "contentType": "string",
    "created": number,
    "message": "string",
    "metadata": "string",
    "name": "string",
    "status": "string",
    "type": "string",
    "url": "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.

### upload

A test spec uploaded to Device Farm.

Type: [Upload](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### LimitExceededException

A limit was exceeded.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### message

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

#### message

Any additional information about the exception.

HTTP Status Code: 400

## 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](#)

# UpdateVPCEConfiguration

Updates information about an Amazon Virtual Private Cloud (VPC) endpoint configuration.

## Request Syntax

```
{  
  "arn": "string",  
  "serviceDnsName": "string",  
  "vpceConfigurationDescription": "string",  
  "vpceConfigurationName": "string",  
  "vpceServiceName": "string"  
}
```

## Request Parameters

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

The request accepts the following data in JSON format.

### arn

The Amazon Resource Name (ARN) of the VPC endpoint configuration you want to update.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: Yes

### serviceDnsName

The DNS (domain) name used to connect to your private service in your VPC. The DNS name must not already be in use on the internet.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

### vpceConfigurationDescription

An optional description that provides details about your VPC endpoint configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

### vpceConfigurationName

The friendly name you give to your VPC endpoint configuration to manage your configurations more easily.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

### vpceServiceName

The name of the VPC endpoint service running in your AWS account that you want Device Farm to test.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

## Response Syntax

```
{
  "vpceConfiguration": {
    "arn": "string",
    "serviceDnsName": "string",
    "vpceConfigurationDescription": "string",
    "vpceConfigurationName": "string",
    "vpceServiceName": "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.

### vpceConfiguration

An object that contains information about your VPC endpoint configuration.

Type: [VPCEConfiguration](#) object

## Errors

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

### ArgumentException

An invalid argument was specified.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### InvalidOperationException

There was an error with the update request, or you do not have sufficient permissions to update this VPC endpoint configuration.

HTTP Status Code: 400

### NotFoundException

The specified entity was not found.

#### **message**

Any additional information about the exception.

HTTP Status Code: 400

### ServiceAccountException

There was a problem with the service account.

## message

Any additional information about the exception.

HTTP Status Code: 400

## 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 AWS Device Farm 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:

- [AccountSettings](#)
- [Artifact](#)
- [Counters](#)
- [CPU](#)
- [CreateRemoteAccessSessionConfiguration](#)
- [CustomerArtifactPaths](#)
- [Device](#)
- [DeviceFilter](#)
- [DeviceInstance](#)
- [DeviceMinutes](#)
- [DevicePool](#)
- [DevicePoolCompatibilityResult](#)
- [DeviceProxy](#)
- [DeviceSelectionConfiguration](#)
- [DeviceSelectionResult](#)
- [EnvironmentVariable](#)
- [ExecutionConfiguration](#)
- [IncompatibilityMessage](#)
- [InstanceProfile](#)
- [Job](#)

- [ListTestGridProjectsRequest](#)
- [ListTestGridSessionsRequest](#)
- [Location](#)
- [MonetaryAmount](#)
- [NetworkProfile](#)
- [Offering](#)
- [OfferingPromotion](#)
- [OfferingStatus](#)
- [OfferingTransaction](#)
- [Problem](#)
- [ProblemDetail](#)
- [Project](#)
- [Radios](#)
- [RecurringCharge](#)
- [RemoteAccessEndpoints](#)
- [RemoteAccessSession](#)
- [Resolution](#)
- [Rule](#)
- [Run](#)
- [Sample](#)
- [ScheduleRunConfiguration](#)
- [ScheduleRunTest](#)
- [Suite](#)
- [Tag](#)
- [Test](#)
- [TestGridProject](#)
- [TestGridSession](#)
- [TestGridSessionAction](#)
- [TestGridSessionArtifact](#)
- [TestGridVpcConfig](#)

- [TrialMinutes](#)
- [UniqueProblem](#)
- [Upload](#)
- [VpcConfig](#)
- [VPCEConfiguration](#)

# AccountSettings

A container for account-level settings in AWS Device Farm.

## Contents

### **awsAccountNumber**

The AWS account number specified in the AccountSettings container.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 16.

Required: No

### **defaultJobTimeoutMinutes**

The default number of minutes (at the account level) a test run executes before it times out. The default value is 150 minutes.

Type: Integer

Required: No

### **maxJobTimeoutMinutes**

The maximum number of minutes a test run executes before it times out.

Type: Integer

Required: No

### **maxSlots**

The maximum number of device slots that the AWS account can purchase. Each maximum is expressed as an `offering-id:number` pair, where the `offering-id` represents one of the IDs returned by the `ListOfferings` command.

Type: String to integer map

Required: No

## skipAppResign

When set to `true`, for private devices, Device Farm does not sign your app again. For public devices, Device Farm always signs your apps again.

For more information about how Device Farm re-signs your apps, see [Do you modify my app?](#) in the *AWS Device Farm FAQs*.

Type: Boolean

Required: No

## trialMinutes

Information about an AWS account's usage of free trial device minutes.

Type: [TrialMinutes](#) object

Required: No

## unmeteredDevices

Returns the unmetered devices you have purchased or want to purchase.

Type: String to integer map

Valid Keys: ANDROID | IOS

Required: No

## unmeteredRemoteAccessDevices

Returns the unmetered remote access devices you have purchased or want to purchase.

Type: String to integer map

Valid Keys: ANDROID | IOS

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](#)

# Artifact

Represents the output of a test. Examples of artifacts include logs and screenshots.

## Contents

### arn

The artifact's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### extension

The artifact's file extension.

Type: String

Required: No

### name

The artifact's name.

Type: String

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

Required: No

### type

The artifact's type.

Allowed values include the following:

- UNKNOWN
- SCREENSHOT

- DEVICE\_LOG
- MESSAGE\_LOG
- VIDEO\_LOG
- RESULT\_LOG
- SERVICE\_LOG
- WEBKIT\_LOG
- INSTRUMENTATION\_OUTPUT
- EXERCISER\_MONKEY\_OUTPUT: the artifact (log) generated by an Android fuzz test.
- APPIUM\_SERVER\_OUTPUT
- APPIUM\_JAVA\_OUTPUT
- APPIUM\_JAVA\_XML\_OUTPUT
- APPIUM\_PYTHON\_OUTPUT
- APPIUM\_PYTHON\_XML\_OUTPUT
- APPLICATION\_CRASH\_REPORT
- XCTEST\_LOG
- VIDEO
- CUSTOMER\_ARTIFACT
- CUSTOMER\_ARTIFACT\_LOG
- TESTSPEC\_OUTPUT

Type: String

Valid Values: UNKNOWN | SCREENSHOT | DEVICE\_LOG | MESSAGE\_LOG | VIDEO\_LOG | RESULT\_LOG | SERVICE\_LOG | WEBKIT\_LOG | INSTRUMENTATION\_OUTPUT | EXERCISER\_MONKEY\_OUTPUT | CALABASH\_JSON\_OUTPUT | CALABASH\_PRETTY\_OUTPUT | CALABASH\_STANDARD\_OUTPUT | CALABASH\_JAVA\_XML\_OUTPUT | AUTOMATION\_OUTPUT | APPIUM\_SERVER\_OUTPUT | APPIUM\_JAVA\_OUTPUT | APPIUM\_JAVA\_XML\_OUTPUT | APPIUM\_PYTHON\_OUTPUT | APPIUM\_PYTHON\_XML\_OUTPUT | EXPLORER\_EVENT\_LOG | EXPLORER\_SUMMARY\_LOG | APPLICATION\_CRASH\_REPORT | XCTEST\_LOG | VIDEO | CUSTOMER\_ARTIFACT | CUSTOMER\_ARTIFACT\_LOG | TESTSPEC\_OUTPUT

Required: No

## url

The presigned Amazon S3 URL that can be used with a GET request to download the artifact's file.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

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](#)

# Counters

Represents entity counters.

## Contents

### **errored**

The number of errored entities.

Type: Integer

Required: No

### **failed**

The number of failed entities.

Type: Integer

Required: No

### **passed**

The number of passed entities.

Type: Integer

Required: No

### **skipped**

The number of skipped entities.

Type: Integer

Required: No

### **stopped**

The number of stopped entities.

Type: Integer

Required: No

**total**

The total number of entities.

Type: Integer

Required: No

**warned**

The number of warned entities.

Type: Integer

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](#)

# CPU

Represents the amount of CPU that an app is using on a physical device. Does not represent system-wide CPU usage.

## Contents

### architecture

The CPU's architecture (for example, x86 or ARM).

Type: String

Required: No

### clock

The clock speed of the device's CPU, expressed in hertz (Hz). For example, a 1.2 GHz CPU is expressed as 1200000000.

Type: Double

Required: No

### frequency

The CPU's frequency.

Type: String

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](#)

# CreateRemoteAccessSessionConfiguration

Configuration settings for a remote access session, including billing method.

## Contents

### auxiliaryApps

A list of upload ARNs for app packages to be installed onto your device. (Maximum 3)

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### billingMethod

The billing method for the remote access session.

Type: String

Valid Values: `METERED` | `UNMETERED`

Required: No

### deviceProxy

The device proxy to be configured on the device for the remote access session.

Type: [DeviceProxy](#) object

Required: No

### vpceConfigurationArns

An array of ARNs included in the VPC endpoint configuration.

Type: Array of strings

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.+`

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](#)

# CustomerArtifactPaths

A JSON object that specifies the paths where the artifacts generated by the customer's tests, on the device or in the test environment, are pulled from.

Specify `deviceHostPaths` and optionally specify either `iosPaths` or `androidPaths`.

For web app tests, you can specify both `iosPaths` and `androidPaths`.

## Contents

### `androidPaths`

Comma-separated list of paths on the Android device where the artifacts generated by the customer's tests are pulled from.

Type: Array of strings

Required: No

### `deviceHostPaths`

Comma-separated list of paths in the test execution environment where the artifacts generated by the customer's tests are pulled from.

Type: Array of strings

Required: No

### `iosPaths`

Comma-separated list of paths on the iOS device where the artifacts generated by the customer's tests are pulled from.

Type: Array of strings

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](#)

# Device

Represents a device type that an app is tested against.

## Contents

### arn

The device's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### availability

Indicates how likely a device is available for a test run. Currently available in the [ListDevices](#) and [GetDevice](#) API methods.

Type: String

Valid Values: `TEMPORARY_NOT_AVAILABLE` | `BUSY` | `AVAILABLE` | `HIGHLY_AVAILABLE`

Required: No

### carrier

The device's carrier.

Type: String

Required: No

### cpu

Information about the device's CPU.

Type: [CPU](#) object

Required: No

**fleetName**

The name of the fleet to which this device belongs.

Type: String

Required: No

**fleetType**

The type of fleet to which this device belongs. Possible values are PRIVATE and PUBLIC.

Type: String

Required: No

**formFactor**

The device's form factor.

Allowed values include:

- PHONE
- TABLET

Type: String

Valid Values: PHONE | TABLET

Required: No

**heapSize**

The device's heap size, expressed in bytes.

Type: Long

Required: No

**image**

The device's image name.

Type: String

Required: No

**instances**

The instances that belong to this device.

Type: Array of [DeviceInstance](#) objects

Required: No

**manufacturer**

The device's manufacturer name.

Type: String

Required: No

**memory**

The device's total memory size, expressed in bytes.

Type: Long

Required: No

**model**

The device's model name.

Type: String

Required: No

**modelId**

The device's model ID.

Type: String

Required: No

**name**

The device's display name.

Type: String

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

Required: No

## **os**

The device's operating system type.

Type: String

Required: No

## **platform**

The device's platform.

Allowed values include:

- ANDROID
- IOS

Type: String

Valid Values: ANDROID | IOS

Required: No

## **radio**

The device's radio.

Type: String

Required: No

## **remoteAccessEnabled**

Specifies whether remote access has been enabled for the specified device.

Type: Boolean

Required: No

## **remoteDebugEnabled**

*This member has been deprecated.*

This flag is set to `true` if remote debugging is enabled for the device.

Remote debugging is [no longer supported](#).

Type: Boolean

Required: No

## resolution

The resolution of the device.

Type: [Resolution](#) 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](#)

# DeviceFilter

Represents a device filter used to select a set of devices to be included in a test run. This data structure is passed in as the `deviceSelectionConfiguration` parameter to `ScheduleRun`. For an example of the JSON request syntax, see [ScheduleRun](#).

It is also passed in as the `filters` parameter to `ListDevices`. For an example of the JSON request syntax, see [ListDevices](#).

## Contents

### attribute

The aspect of a device such as platform or model used as the selection criteria in a device filter.

The supported operators for each attribute are provided in the following list.

#### ARN

The Amazon Resource Name (ARN) of the device (for example, `arn:aws:devicefarm:us-west-2::device:12345Example`).

Supported operators: EQUALS, IN, NOT\_IN

#### PLATFORM

The device platform. Valid values are ANDROID or IOS.

Supported operators: EQUALS

#### OS\_VERSION

The operating system version (for example, 10.3.2).

Supported operators: EQUALS, GREATER\_THAN, GREATER\_THAN\_OR\_EQUALS, IN, LESS\_THAN, LESS\_THAN\_OR\_EQUALS, NOT\_IN

#### MODEL

The device model (for example, iPad 5th Gen).

Supported operators: CONTAINS, EQUALS, IN, NOT\_IN

## AVAILABILITY

The current availability of the device. Valid values are AVAILABLE, HIGHLY\_AVAILABLE, BUSY, or TEMPORARY\_NOT\_AVAILABLE.

Supported operators: EQUALS

## FORM\_FACTOR

The device form factor. Valid values are PHONE or TABLET.

Supported operators: EQUALS

## MANUFACTURER

The device manufacturer (for example, Apple).

Supported operators: EQUALS, IN, NOT\_IN

## REMOTE\_ACCESS\_ENABLED

Whether the device is enabled for remote access. Valid values are TRUE or FALSE.

Supported operators: EQUALS

## REMOTE\_DEBUG\_ENABLED

Whether the device is enabled for remote debugging. Valid values are TRUE or FALSE.

Supported operators: EQUALS

Because remote debugging is [no longer supported](#), this filter is ignored.

## INSTANCE\_ARN

The Amazon Resource Name (ARN) of the device instance.

Supported operators: EQUALS, IN, NOT\_IN

## INSTANCE\_LABELS

The label of the device instance.

Supported operators: CONTAINS

## FLEET\_TYPE

The fleet type. Valid values are PUBLIC or PRIVATE.

## Supported operators: EQUALS

Type: String

Valid Values: ARN | PLATFORM | OS\_VERSION | MODEL | AVAILABILITY  
| FORM\_FACTOR | MANUFACTURER | REMOTE\_ACCESS\_ENABLED |  
REMOTE\_DEBUG\_ENABLED | INSTANCE\_ARN | INSTANCE\_LABELS | FLEET\_TYPE

Required: Yes

### operator

Specifies how Device Farm compares the filter's attribute to the value. See the attribute descriptions.

Type: String

Valid Values: EQUALS | LESS\_THAN | LESS\_THAN\_OR\_EQUALS | GREATER\_THAN |  
GREATER\_THAN\_OR\_EQUALS | IN | NOT\_IN | CONTAINS

Required: Yes

### values

An array of one or more filter values used in a device filter.

#### Operator Values

- The IN and NOT\_IN operators can take a values array that has more than one element.
- The other operators require an array with a single element.

#### Attribute Values

- The PLATFORM attribute can be set to ANDROID or IOS.
- The AVAILABILITY attribute can be set to AVAILABLE, HIGHLY\_AVAILABLE, BUSY, or TEMPORARY\_NOT\_AVAILABLE.
- The FORM\_FACTOR attribute can be set to PHONE or TABLET.
- The FLEET\_TYPE attribute can be set to PUBLIC or PRIVATE.

Type: Array of strings

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](#)

# DeviceInstance

Represents the device instance.

## Contents

### arn

The Amazon Resource Name (ARN) of the device instance.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### deviceArn

The ARN of the device.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### instanceProfile

A object that contains information about the instance profile.

Type: [InstanceProfile](#) object

Required: No

### labels

An array of strings that describe the device instance.

Type: Array of strings

Required: No

## status

The status of the device instance. Valid values are listed here.

Type: String

Valid Values: IN\_USE | PREPARING | AVAILABLE | NOT\_AVAILABLE

Required: No

## udid

Unique device identifier for the device instance.

Type: String

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](#)

# DeviceMinutes

Represents the total (metered or unmetered) minutes used by the resource to run tests. Contains the sum of minutes consumed by all children.

## Contents

### metered

When specified, represents only the sum of metered minutes used by the resource to run tests.

Type: Double

Required: No

### total

When specified, represents the total minutes used by the resource to run tests.

Type: Double

Required: No

### unmetered

When specified, represents only the sum of unmetered minutes used by the resource to run tests.

Type: Double

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](#)

# DevicePool

Represents a collection of device types.

## Contents

### arn

The device pool's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### description

The device pool's description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### maxDevices

The number of devices that Device Farm can add to your device pool. Device Farm adds devices that are available and meet the criteria that you assign for the `rules` parameter. Depending on how many devices meet these constraints, your device pool might contain fewer devices than the value for this parameter.

By specifying the maximum number of devices, you can control the costs that you incur by running tests.

Type: Integer

Required: No

### name

The device pool's name.

Type: String

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

Required: No

## rules

Information about the device pool's rules.

Type: Array of [Rule](#) objects

Required: No

## type

The device pool's type.

Allowed values include:

- **CURATED**: A device pool that is created and managed by AWS Device Farm.
- **PRIVATE**: A device pool that is created and managed by the device pool developer.

Type: String

Valid Values: CURATED | PRIVATE

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](#)

# DevicePoolCompatibilityResult

Represents a device pool compatibility result.

## Contents

### compatible

Whether the result was compatible with the device pool.

Type: Boolean

Required: No

### device

The device (phone or tablet) to return information about.

Type: [Device](#) object

Required: No

### incompatibilityMessages

Information about the compatibility.

Type: Array of [IncompatibilityMessage](#) objects

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](#)

# DeviceProxy

Represents the http/s proxy configuration that will be applied to a device during a run.

## Contents

### host

Hostname or IPv4 address of the proxy.

Type: String

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

Pattern: `^([a-zA-Z0-9])([a-zA-Z0-9- .]+)([a-zA-Z0-9])$`

Required: Yes

### port

The port number on which the http/s proxy is listening.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

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](#)

# DeviceSelectionConfiguration

Represents the device filters used in a test run and the maximum number of devices to be included in the run. It is passed in as the `deviceSelectionConfiguration` request parameter in [ScheduleRun](#).

## Contents

### filters

Used to dynamically select a set of devices for a test run. A filter is made up of an attribute, an operator, and one or more values.

- **Attribute**

The aspect of a device such as platform or model used as the selection criteria in a device filter.

Allowed values include:

- **ARN**: The Amazon Resource Name (ARN) of the device (for example, `arn:aws:devicefarm:us-west-2::device:12345Example`).
- **PLATFORM**: The device platform. Valid values are `ANDROID` or `IOS`.
- **OS\_VERSION**: The operating system version (for example, `10.3.2`).
- **MODEL**: The device model (for example, `iPad 5th Gen`).
- **AVAILABILITY**: The current availability of the device. Valid values are `AVAILABLE`, `HIGHLY_AVAILABLE`, `BUSY`, or `TEMPORARY_NOT_AVAILABLE`.
- **FORM\_FACTOR**: The device form factor. Valid values are `PHONE` or `TABLET`.
- **MANUFACTURER**: The device manufacturer (for example, `Apple`).
- **REMOTE\_ACCESS\_ENABLED**: Whether the device is enabled for remote access. Valid values are `TRUE` or `FALSE`.
- **REMOTE\_DEBUG\_ENABLED**: Whether the device is enabled for remote debugging. Valid values are `TRUE` or `FALSE`. Because remote debugging is [no longer supported](#), this filter is ignored.
- **INSTANCE\_ARN**: The Amazon Resource Name (ARN) of the device instance.
- **INSTANCE\_LABELS**: The label of the device instance.

- **Operator**

The filter operator.

- The EQUALS operator is available for every attribute except INSTANCE\_LABELS.
- The CONTAINS operator is available for the INSTANCE\_LABELS and MODEL attributes.
- The IN and NOT\_IN operators are available for the ARN, OS\_VERSION, MODEL, MANUFACTURER, and INSTANCE\_ARN attributes.
- The LESS\_THAN, GREATER\_THAN, LESS\_THAN\_OR\_EQUALS, and GREATER\_THAN\_OR\_EQUALS operators are also available for the OS\_VERSION attribute.

- **Values**

An array of one or more filter values.

### Operator Values

- The IN and NOT\_IN operators can take a values array that has more than one element.
- The other operators require an array with a single element.

### Attribute Values

- The PLATFORM attribute can be set to ANDROID or IOS.
- The AVAILABILITY attribute can be set to AVAILABLE, HIGHLY\_AVAILABLE, BUSY, or TEMPORARY\_NOT\_AVAILABLE.
- The FORM\_FACTOR attribute can be set to PHONE or TABLET.
- The FLEET\_TYPE attribute can be set to PUBLIC or PRIVATE.

Type: Array of [DeviceFilter](#) objects

Required: Yes

### maxDevices

The maximum number of devices to be included in a test run.

Type: Integer

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](#)

# DeviceSelectionResult

Contains the run results requested by the device selection configuration and how many devices were returned. For an example of the JSON response syntax, see [ScheduleRun](#).

## Contents

### filters

The filters in a device selection result.

Type: Array of [DeviceFilter](#) objects

Required: No

### matchedDevicesCount

The number of devices that matched the device filter selection criteria.

Type: Integer

Required: No

### maxDevices

The maximum number of devices to be selected by a device filter and included in a test run.

Type: Integer

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](#)

# EnvironmentVariable

Information about an environment variable for a project or a run.

## Contents

### name

The name of the environment variable.

Type: String

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

Pattern: `[a-zA-Z_][a-zA-Z_0-9]*`

Required: Yes

### value

The value of the environment variable.

Type: String

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

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](#)

# ExecutionConfiguration

Represents configuration information about a test run, such as the execution timeout (in minutes).

## Contents

### accountsCleanup

True if account cleanup is enabled at the beginning of the test. Otherwise, false.

Type: Boolean

Required: No

### appPackagesCleanup

True if app package cleanup is enabled at the beginning of the test. Otherwise, false.

Type: Boolean

Required: No

### jobTimeoutMinutes

The number of minutes a test run executes before it times out.

Type: Integer

Required: No

### skipAppResign

When set to `true`, for private devices, Device Farm does not sign your app again. For public devices, Device Farm always signs your apps again.

For more information about how Device Farm re-signs your apps, see [Do you modify my app?](#) in the *AWS Device Farm FAQs*.

Type: Boolean

Required: No

### videoCapture

Set to `true` to enable video capture. Otherwise, set to `false`. The default is `true`.

Type: Boolean

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](#)

# IncompatibilityMessage

Represents information about incompatibility.

## Contents

### message

A message about the incompatibility.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### type

The type of incompatibility.

Allowed values include:

- ARN
- FORM\_FACTOR (for example, phone or tablet)
- MANUFACTURER
- PLATFORM (for example, Android or iOS)
- REMOTE\_ACCESS\_ENABLED
- APPIUM\_VERSION

Type: String

Valid Values: ARN | PLATFORM | FORM\_FACTOR | MANUFACTURER | REMOTE\_ACCESS\_ENABLED | REMOTE\_DEBUG\_ENABLED | APPIUM\_VERSION | INSTANCE\_ARN | INSTANCE\_LABELS | FLEET\_TYPE | OS\_VERSION | MODEL | AVAILABILITY

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](#)

# InstanceProfile

Represents the instance profile.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the instance profile.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### **description**

The description of the instance profile.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### **excludeAppPackagesFromCleanup**

An array of strings containing the list of app packages that should not be cleaned up from the device after a test run completes.

The list of packages is considered only if you set `packageCleanup` to `true`.

Type: Array of strings

Required: No

### **name**

The name of the instance profile.

Type: String

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

Required: No

### **packageCleanup**

When set to `true`, Device Farm removes app packages after a test run. The default value is `false` for private devices.

Type: Boolean

Required: No

### **rebootAfterUse**

When set to `true`, Device Farm reboots the instance after a test run. The default value is `true`.

Type: Boolean

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](#)

# Job

Represents a device.

## Contents

### arn

The job's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### counters

The job's result counters.

Type: [Counters](#) object

Required: No

### created

When the job was created.

Type: Timestamp

Required: No

### device

The device (phone or tablet).

Type: [Device](#) object

Required: No

### deviceMinutes

Represents the total (metered or unmetered) minutes used by the job.

Type: [DeviceMinutes](#) object

Required: No

### **instanceArn**

The ARN of the instance.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### **message**

A message about the job's result.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### **name**

The job's name.

Type: String

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

Required: No

### **result**

The job's result.

Allowed values include:

- PENDING
- PASSED
- WARNED

- FAILED
- SKIPPED
- ERRORED
- STOPPED

Type: String

Valid Values: PENDING | PASSED | WARNED | FAILED | SKIPPED | ERRORED | STOPPED

Required: No

### **started**

The job's start time.

Type: Timestamp

Required: No

### **status**

The job's status.

Allowed values include:

- PENDING
- PENDING\_CONCURRENCY
- PENDING\_DEVICE
- PROCESSING
- SCHEDULING
- PREPARING
- RUNNING
- COMPLETED
- STOPPING

Type: String

Valid Values: PENDING | PENDING\_CONCURRENCY | PENDING\_DEVICE | PROCESSING | SCHEDULING | PREPARING | RUNNING | COMPLETED | STOPPING

Required: No

## **stopped**

The job's stop time.

Type: Timestamp

Required: No

## **type**

The job's type.

Allowed values include the following:

- BUILTIN\_FUZZ
- APPIUM\_JAVA\_JUNIT
- APPIUM\_JAVA\_TESTNG
- APPIUM\_PYTHON
- APPIUM\_NODE
- APPIUM\_RUBY
- APPIUM\_WEB\_JAVA\_JUNIT
- APPIUM\_WEB\_JAVA\_TESTNG
- APPIUM\_WEB\_PYTHON
- APPIUM\_WEB\_NODE
- APPIUM\_WEB\_RUBY
- INSTRUMENTATION
- XCTEST
- XCTEST\_UI

Type: String

Valid Values: BUILTIN\_FUZZ | APPIUM\_JAVA\_JUNIT | APPIUM\_JAVA\_TESTNG | APPIUM\_PYTHON | APPIUM\_NODE | APPIUM\_RUBY | APPIUM\_WEB\_JAVA\_JUNIT | APPIUM\_WEB\_JAVA\_TESTNG | APPIUM\_WEB\_PYTHON | APPIUM\_WEB\_NODE | APPIUM\_WEB\_RUBY | INSTRUMENTATION | XCTEST | XCTEST\_UI

Required: No

## videoCapture

This value is set to true if video capture is enabled. Otherwise, it is set to false.

Type: Boolean

Required: No

## videoEndpoint

The endpoint for streaming device video.

Type: String

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](#)

# ListTestGridProjectsRequest

## Contents

### maxResult

Return no more than this number of results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

### nextToken

From a response, used to continue a paginated listing.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

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](#)

# ListTestGridSessionsRequest

## Contents

### projectArn

ARN of a [TestGridProject](#).

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: Yes

### creationTimeAfter

Return only sessions created after this time.

Type: Timestamp

Required: No

### creationTimeBefore

Return only sessions created before this time.

Type: Timestamp

Required: No

### endTimeAfter

Return only sessions that ended after this time.

Type: Timestamp

Required: No

### endTimeBefore

Return only sessions that ended before this time.

Type: Timestamp

Required: No

### **maxResult**

Return only this many results at a time.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

### **nextToken**

Pagination token.

Type: String

Length Constraints: Minimum length of 4. Maximum length of 1024.

Required: No

### **status**

Return only sessions in this state.

Type: String

Valid Values: ACTIVE | CLOSED | ERRORRED

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](#)

# Location

Represents a latitude and longitude pair, expressed in geographic coordinate system degrees (for example, 47.6204, -122.3491).

Elevation is currently not supported.

## Contents

### latitude

The latitude.

Type: Double

Required: Yes

### longitude

The longitude.

Type: Double

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](#)

# MonetaryAmount

A number that represents the monetary amount for an offering or transaction.

## Contents

### amount

The numerical amount of an offering or transaction.

Type: Double

Required: No

### currencyCode

The currency code of a monetary amount. For example, USD means U.S. dollars.

Type: String

Valid Values: USD

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](#)

# NetworkProfile

An array of settings that describes characteristics of a network profile.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the network profile.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### **description**

The description of the network profile.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### **downlinkBandwidthBits**

The data throughput rate in bits per second, as an integer from 0 to 104857600.

Type: Long

Required: No

### **downlinkDelayMs**

Delay time for all packets to destination in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### **downlinkJitterMs**

Time variation in the delay of received packets in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### **downlinkLossPercent**

Proportion of received packets that fail to arrive from 0 to 100 percent.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

### **name**

The name of the network profile.

Type: String

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

Required: No

### **type**

The type of network profile. Valid values are listed here.

Type: String

Valid Values: CURATED | PRIVATE

Required: No

### **uplinkBandwidthBits**

The data throughput rate in bits per second, as an integer from 0 to 104857600.

Type: Long

Required: No

### **uplinkDelayMs**

Delay time for all packets to destination in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### **uplinkJitterMs**

Time variation in the delay of received packets in milliseconds as an integer from 0 to 2000.

Type: Long

Required: No

### **uplinkLossPercent**

Proportion of transmitted packets that fail to arrive from 0 to 100 percent.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

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](#)

# Offering

Represents the metadata of a device offering.

## Contents

### description

A string that describes the offering.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### id

The ID that corresponds to a device offering.

Type: String

Length Constraints: Minimum length of 32.

Required: No

### platform

The platform of the device (for example, ANDROID or IOS).

Type: String

Valid Values: ANDROID | IOS

Required: No

### recurringCharges

Specifies whether there are recurring charges for the offering.

Type: Array of [RecurringCharge](#) objects

Required: No

## type

The type of offering (for example, RECURRING) for a device.

Type: String

Valid Values: RECURRING

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](#)

# OfferingPromotion

Represents information about an offering promotion.

## Contents

### description

A string that describes the offering promotion.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### id

The ID of the offering promotion.

Type: String

Length Constraints: Minimum length of 4.

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](#)

# OfferingStatus

The status of the offering.

## Contents

### **effectiveOn**

The date on which the offering is effective.

Type: Timestamp

Required: No

### **offering**

Represents the metadata of an offering status.

Type: [Offering](#) object

Required: No

### **quantity**

The number of available devices in the offering.

Type: Integer

Required: No

### **type**

The type specified for the offering status.

Type: String

Valid Values: PURCHASE | RENEW | SYSTEM

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](#)

# OfferingTransaction

Represents the metadata of an offering transaction.

## Contents

### cost

The cost of an offering transaction.

Type: [MonetaryAmount](#) object

Required: No

### createdOn

The date on which an offering transaction was created.

Type: Timestamp

Required: No

### offeringPromotionId

The ID that corresponds to a device offering promotion.

Type: String

Length Constraints: Minimum length of 4.

Required: No

### offeringStatus

The status of an offering transaction.

Type: [OfferingStatus](#) object

Required: No

### transactionId

The transaction ID of the offering transaction.

Type: String

Length Constraints: Minimum length of 32.

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](#)

# Problem

Represents a specific warning or failure.

## Contents

### device

Information about the associated device.

Type: [Device](#) object

Required: No

### job

Information about the associated job.

Type: [ProblemDetail](#) object

Required: No

### message

A message about the problem's result.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### result

The problem's result.

Allowed values include:

- PENDING
- PASSED
- WARNED
- FAILED
- SKIPPED

- ERRORED
- STOPPED

Type: String

Valid Values: PENDING | PASSED | WARNED | FAILED | SKIPPED | ERRORED | STOPPED

Required: No

### **run**

Information about the associated run.

Type: [ProblemDetail](#) object

Required: No

### **suite**

Information about the associated suite.

Type: [ProblemDetail](#) object

Required: No

### **test**

Information about the associated test.

Type: [ProblemDetail](#) 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](#)



# ProblemDetail

Information about a problem detail.

## Contents

### arn

The problem detail's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### name

The problem detail's name.

Type: String

Length Constraints: Minimum length of 0. 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

# Project

Represents an operating-system neutral workspace for running and managing tests.

## Contents

### **arn**

The project's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### **created**

When the project was created.

Type: Timestamp

Required: No

### **defaultJobTimeoutMinutes**

The default number of minutes (at the project level) a test run executes before it times out. The default value is 150 minutes.

Type: Integer

Required: No

### **environmentVariables**

Environment variables associated with the project.

Type: Array of [EnvironmentVariable](#) objects

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

## executionRoleArn

The IAM execution role associated with the project.

Type: String

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

Pattern: `^arn:aws:iam:[0-9]{12}:role/.+`

Required: No

## name

The project's name.

Type: String

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

Required: No

## vpcConfig

The VPC security groups and subnets that are attached to a project.

Type: [VpcConfig](#) 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](#)

# Radios

Represents the set of radios and their states on a device. Examples of radios include Wi-Fi, GPS, Bluetooth, and NFC.

## Contents

### bluetooth

True if Bluetooth is enabled at the beginning of the test. Otherwise, false.

Type: Boolean

Required: No

### gps

True if GPS is enabled at the beginning of the test. Otherwise, false.

Type: Boolean

Required: No

### nfc

True if NFC is enabled at the beginning of the test. Otherwise, false.

Type: Boolean

Required: No

### wifi

True if Wi-Fi is enabled at the beginning of the test. Otherwise, false.

Type: Boolean

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](#)

# RecurringCharge

Specifies whether charges for devices are recurring.

## Contents

### cost

The cost of the recurring charge.

Type: [MonetaryAmount](#) object

Required: No

### frequency

The frequency in which charges recur.

Type: String

Valid Values: MONTHLY

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](#)

# RemoteAccessEndpoints

Represents the remote endpoints for viewing and controlling a device during a remote access session.

## Contents

### **interactiveEndpoint**

URL for viewing and interacting with the device during the remote access session.

Type: String

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

Required: No

### **remoteDriverEndpoint**

URL for controlling the device using WebDriver-compliant clients, like Appium, during the remote access session.

Type: String

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

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](#)

# RemoteAccessSession

Represents information about the remote access session.

## Contents

### appUpload

The ARN for the app to be installed onto your device.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### arn

The Amazon Resource Name (ARN) of the remote access session.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### billingMethod

The billing method of the remote access session. Possible values include METERED or UNMETERED. For more information about metered devices, see [AWS Device Farm terminology](#).

Type: String

Valid Values: METERED | UNMETERED

Required: No

### created

The date and time the remote access session was created.

Type: Timestamp

Required: No

### **device**

The device (phone or tablet) used in the remote access session.

Type: [Device](#) object

Required: No

### **deviceMinutes**

The number of minutes a device is used in a remote access session (including setup and teardown minutes).

Type: [DeviceMinutes](#) object

Required: No

### **deviceProxy**

The device proxy configured for the remote access session.

Type: [DeviceProxy](#) object

Required: No

### **deviceUdid**

Unique device identifier for the remote device. Only returned if remote debugging is enabled for the remote access session.

Remote debugging is [no longer supported](#).

Type: String

Required: No

### **endpoint**

The endpoint for the remote access session. This field is deprecated, and is replaced by the new `endpoints.interactiveEndpoint` field.

Type: String

Required: No

## endpoints

Represents the remote endpoints for viewing and controlling a device during a remote access session.

Type: [RemoteAccessEndpoints](#) object

Required: No

## instanceArn

The ARN of the instance.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

## interactionMode

*This member has been deprecated.*

The interaction mode of the remote access session. Changing the interactive mode of remote access sessions is no longer available.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Valid Values: INTERACTIVE | NO\_VIDEO | VIDEO\_ONLY

Required: No

## message

A message about the remote access session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### **name**

The name of the remote access session.

Type: String

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

Required: No

### **result**

The result of the remote access session. Can be any of the following:

- PENDING.
- PASSED.
- WARNED.
- FAILED.
- SKIPPED.
- ERRORED.
- STOPPED.

Type: String

Valid Values: PENDING | PASSED | WARNED | FAILED | SKIPPED | ERRORED | STOPPED

Required: No

### **skipAppResign**

When set to `true`, for private devices, Device Farm does not sign your app again. For public devices, Device Farm always signs your apps again.

For more information about how Device Farm re-signs your apps, see [Do you modify my app?](#) in the *AWS Device Farm FAQs*.

Type: Boolean

Required: No

## started

The date and time the remote access session was started.

Type: Timestamp

Required: No

## status

The status of the remote access session. Can be any of the following:

- PENDING.
- PENDING\_CONCURRENCY.
- PENDING\_DEVICE.
- PROCESSING.
- SCHEDULING.
- PREPARING.
- RUNNING.
- COMPLETED.
- STOPPING.

Type: String

Valid Values: PENDING | PENDING\_CONCURRENCY | PENDING\_DEVICE | PROCESSING | SCHEDULING | PREPARING | RUNNING | COMPLETED | STOPPING

Required: No

## stopped

The date and time the remote access session was stopped.

Type: Timestamp

Required: No

## vpcConfig

The VPC security groups and subnets that are attached to a project.

Type: [VpcConfig](#) 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](#)

# Resolution

Represents the screen resolution of a device in height and width, expressed in pixels.

## Contents

### height

The screen resolution's height, expressed in pixels.

Type: Integer

Required: No

### width

The screen resolution's width, expressed in pixels.

Type: Integer

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](#)

# Rule

Represents a condition for a device pool.

## Contents

### attribute

The rule's stringified attribute. For example, specify the value as `"\"abc\""`.

The supported operators for each attribute are provided in the following list.

#### APPIUM\_VERSION

The Appium version for the test.

Supported operators: CONTAINS

#### ARN

The Amazon Resource Name (ARN) of the device (for example, `arn:aws:devicefarm:us-west-2::device:12345Example`).

Supported operators: EQUALS, IN, NOT\_IN

#### AVAILABILITY

The current availability of the device. Valid values are AVAILABLE, HIGHLY\_AVAILABLE, BUSY, or TEMPORARY\_NOT\_AVAILABLE.

Supported operators: EQUALS

#### FLEET\_TYPE

The fleet type. Valid values are PUBLIC or PRIVATE.

Supported operators: EQUALS

#### FORM\_FACTOR

The device form factor. Valid values are PHONE or TABLET.

Supported operators: EQUALS, IN, NOT\_IN

#### INSTANCE\_ARN

The Amazon Resource Name (ARN) of the device instance.

Supported operators: IN, NOT\_IN

#### INSTANCE\_LABELS

The label of the device instance.

Supported operators: CONTAINS

#### MANUFACTURER

The device manufacturer (for example, Apple).

Supported operators: EQUALS, IN, NOT\_IN

#### MODEL

The device model, such as Apple iPad Air 2 or Google Pixel.

Supported operators: CONTAINS, EQUALS, IN, NOT\_IN

#### OS\_VERSION

The operating system version (for example, 10.3.2).

Supported operators: EQUALS, GREATER\_THAN, GREATER\_THAN\_OR\_EQUALS, IN, LESS\_THAN, LESS\_THAN\_OR\_EQUALS, NOT\_IN

#### PLATFORM

The device platform. Valid values are ANDROID or IOS.

Supported operators: EQUALS, IN, NOT\_IN

#### REMOTE\_ACCESS\_ENABLED

Whether the device is enabled for remote access. Valid values are TRUE or FALSE.

Supported operators: EQUALS

#### REMOTE\_DEBUG\_ENABLED

Whether the device is enabled for remote debugging. Valid values are TRUE or FALSE.

Supported operators: EQUALS

Because remote debugging is [no longer supported](#), this filter is ignored.

Type: String

Valid Values: ARN | PLATFORM | FORM\_FACTOR | MANUFACTURER | REMOTE\_ACCESS\_ENABLED | REMOTE\_DEBUG\_ENABLED | APPIUM\_VERSION | INSTANCE\_ARN | INSTANCE\_LABELS | FLEET\_TYPE | OS\_VERSION | MODEL | AVAILABILITY

Required: No

### **operator**

Specifies how Device Farm compares the rule's attribute to the value. For the operators that are supported by each attribute, see the attribute descriptions.

Type: String

Valid Values: EQUALS | LESS\_THAN | LESS\_THAN\_OR\_EQUALS | GREATER\_THAN | GREATER\_THAN\_OR\_EQUALS | IN | NOT\_IN | CONTAINS

Required: No

### **value**

The rule's value.

Type: String

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](#)

# Run

Represents a test run on a set of devices with a given app package, test parameters, and so on.

## Contents

### appUpload

An app to upload or that has been uploaded.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### arn

The run's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### billingMethod

Specifies the billing method for a test run: `metered` or `unmetered`. If the parameter is not specified, the default value is `metered`.

#### Note

If you have unmetered device slots, you must set this to `unmetered` to use them. Otherwise, the run is counted toward metered device minutes.

Type: String

Valid Values: `METERED` | `UNMETERED`

Required: No

### **completedJobs**

The total number of completed jobs.

Type: Integer

Required: No

### **counters**

The run's result counters.

Type: [Counters](#) object

Required: No

### **created**

When the run was created.

Type: Timestamp

Required: No

### **customerArtifactPaths**

Output `CustomerArtifactPaths` object for the test run.

Type: [CustomerArtifactPaths](#) object

Required: No

### **deviceMinutes**

Represents the total (metered or unmetered) minutes used by the test run.

Type: [DeviceMinutes](#) object

Required: No

### **devicePoolArn**

The ARN of the device pool for the run.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### **deviceProxy**

The device proxy configured for the devices in the run.

Type: [DeviceProxy](#) object

Required: No

### **deviceSelectionResult**

The results of a device filter used to select the devices for a test run.

Type: [DeviceSelectionResult](#) object

Required: No

### **environmentVariables**

Environment variables associated with the run.

Type: Array of [EnvironmentVariable](#) objects

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

### **eventCount**

For fuzz tests, this is the number of events, between 1 and 10000, that the UI fuzz test should perform.

Type: Integer

Required: No

### **executionRoleArn**

The IAM role associated with the run.

Type: String

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

Pattern: `^arn:aws:iam:[0-9]{12}:role/.+`

Required: No

### **jobTimeoutMinutes**

The number of minutes the job executes before it times out.

Type: Integer

Required: No

### **locale**

Information about the locale that is used for the run.

Type: String

Required: No

### **location**

Information about the location that is used for the run.

Type: [Location](#) object

Required: No

### **message**

A message about the run's result.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### **name**

The run's name.

Type: String

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

Required: No

## networkProfile

The network profile being used for a test run.

Type: [NetworkProfile](#) object

Required: No

## parsingResultUrl

Read-only URL for an object in an S3 bucket where you can get the parsing results of the test package. If the test package doesn't parse, the reason why it doesn't parse appears in the file that this URL points to.

Type: String

Required: No

## platform

The run's platform.

Allowed values include:

- ANDROID
- IOS

Type: String

Valid Values: ANDROID | IOS

Required: No

## radios

Information about the radio states for the run.

Type: [Radios](#) object

Required: No

## result

The run's result.

Allowed values include:

- PENDING
- PASSED
- WARNED
- FAILED
- SKIPPED
- ERRORED
- STOPPED

Type: String

Valid Values: PENDING | PASSED | WARNED | FAILED | SKIPPED | ERRORED | STOPPED

Required: No

### **resultCode**

Supporting field for the result field. Set only if `result` is SKIPPED. PARSING\_FAILED if the result is skipped because of test package parsing failure.

Type: String

Valid Values: PARSING\_FAILED | VPC\_ENDPOINT\_SETUP\_FAILED

Required: No

### **seed**

For fuzz tests, this is a seed to use for randomizing the UI fuzz test. Using the same seed value between tests ensures identical event sequences.

Type: Integer

Required: No

### **skipAppResign**

When set to `true`, for private devices, Device Farm does not sign your app again. For public devices, Device Farm always signs your apps again.

For more information about how Device Farm re-signs your apps, see [Do you modify my app?](#) in the *AWS Device Farm FAQs*.

Type: Boolean

Required: No

### **started**

The run's start time.

Type: Timestamp

Required: No

### **status**

The run's status.

Allowed values include:

- PENDING
- PENDING\_CONCURRENCY
- PENDING\_DEVICE
- PROCESSING
- SCHEDULING
- PREPARING
- RUNNING
- COMPLETED
- STOPPING

Type: String

Valid Values: PENDING | PENDING\_CONCURRENCY | PENDING\_DEVICE | PROCESSING | SCHEDULING | PREPARING | RUNNING | COMPLETED | STOPPING

Required: No

### **stopped**

The run's stop time.

Type: Timestamp

Required: No

## testSpecArn

The ARN of the YAML-formatted test specification for the run.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.+`

Required: No

## totalJobs

The total number of jobs for the run.

Type: Integer

Required: No

## type

The run's type.

Must be one of the following values:

- BUILTIN\_FUZZ
- APPIUM\_JAVA\_JUNIT
- APPIUM\_JAVA\_TESTNG
- APPIUM\_PYTHON
- APPIUM\_NODE
- APPIUM\_RUBY
- APPIUM\_WEB\_JAVA\_JUNIT
- APPIUM\_WEB\_JAVA\_TESTNG
- APPIUM\_WEB\_PYTHON
- APPIUM\_WEB\_NODE
- APPIUM\_WEB\_RUBY
- INSTRUMENTATION
- XCTEST
- XCTEST\_UI

Type: String

Valid Values: BUILTIN\_FUZZ | APPIUM\_JAVA\_JUNIT | APPIUM\_JAVA\_TESTNG | APPIUM\_PYTHON | APPIUM\_NODE | APPIUM\_RUBY | APPIUM\_WEB\_JAVA\_JUNIT | APPIUM\_WEB\_JAVA\_TESTNG | APPIUM\_WEB\_PYTHON | APPIUM\_WEB\_NODE | APPIUM\_WEB\_RUBY | INSTRUMENTATION | XCTEST | XCTEST\_UI

Required: No

### **vpcConfig**

The VPC security groups and subnets that are attached to a project.

Type: [VpcConfig](#) object

Required: No

### **webUrl**

The Device Farm console URL for the recording of the run.

Type: String

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](#)

# Sample

Represents a sample of performance data.

## Contents

### arn

The sample's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### type

The sample's type.

Must be one of the following values:

- CPU: A CPU sample type. This is expressed as the app processing CPU time (including child processes) as reported by process, as a percentage.
- MEMORY: A memory usage sample type. This is expressed as the total proportional set size of an app process, in kilobytes.
- NATIVE\_AVG\_DRAWTIME
- NATIVE\_FPS
- NATIVE\_FRAMES
- NATIVE\_MAX\_DRAWTIME
- NATIVE\_MIN\_DRAWTIME
- OPENGL\_AVG\_DRAWTIME
- OPENGL\_FPS
- OPENGL\_FRAMES
- OPENGL\_MAX\_DRAWTIME
- OPENGL\_MIN\_DRAWTIME
- RX

- **RX\_RATE**: The total number of bytes per second (TCP and UDP) that are sent, by app process.
- **THREADS**: A threads sample type. This is expressed as the total number of threads per app process.
- **TX**
- **TX\_RATE**: The total number of bytes per second (TCP and UDP) that are received, by app process.

Type: String

Valid Values: CPU | MEMORY | THREADS | RX\_RATE | TX\_RATE | RX | TX | NATIVE\_FRAMES | NATIVE\_FPS | NATIVE\_MIN\_DRAWTIME | NATIVE\_AVG\_DRAWTIME | NATIVE\_MAX\_DRAWTIME | OPENGL\_FRAMES | OPENGL\_FPS | OPENGL\_MIN\_DRAWTIME | OPENGL\_AVG\_DRAWTIME | OPENGL\_MAX\_DRAWTIME

Required: No

## url

The presigned Amazon S3 URL that can be used with a GET request to download the sample's file.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

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](#)

# ScheduleRunConfiguration

Represents the settings for a run. Includes things like location, radio states, auxiliary apps, and network profiles.

## Contents

### auxiliaryApps

A list of upload ARNs for app packages to be installed with your app.

Type: Array of strings

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### billingMethod

Specifies the billing method for a test run: `metered` or `unmetered`. If the parameter is not specified, the default value is `metered`.

#### Note

If you have purchased unmetered device slots, you must set this parameter to `unmetered` to make use of them. Otherwise, your run counts against your metered time.

Type: String

Valid Values: `METERED` | `UNMETERED`

Required: No

### customerArtifactPaths

Input `CustomerArtifactPaths` object for the scheduled run configuration.

Type: [CustomerArtifactPaths](#) object

Required: No

### **deviceProxy**

The device proxy to be configured on the device for the run.

Type: [DeviceProxy](#) object

Required: No

### **environmentVariables**

Environment variables associated with the run.

Type: Array of [EnvironmentVariable](#) objects

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

### **executionRoleArn**

An IAM role to be assumed by the test host for the run.

Type: String

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

Pattern: `^arn:aws:iam:[0-9]{12}:role/.+`

Required: No

### **extraDataPackageArn**

The ARN of the extra data for the run. The extra data is a .zip file that AWS Device Farm extracts to external data for Android or the app's sandbox for iOS.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

## locale

Information about the locale that is used for the run.

Type: String

Required: No

## location

Information about the location that is used for the run.

Type: [Location](#) object

Required: No

## networkProfileArn

Reserved for internal use.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

## radios

Information about the radio states for the run.

Type: [Radios](#) object

Required: No

## vpceConfigurationArns

An array of ARNs for your VPC endpoint configurations.

Type: Array of strings

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

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](#)

# ScheduleRunTest

Represents test settings. This data structure is passed in as the test parameter to ScheduleRun. For an example of the JSON request syntax, see [ScheduleRun](#).

## Contents

### type

The test's type.

Must be one of the following values:

- BUILTIN\_FUZZ
- APPIUM\_JAVA\_JUNIT
- APPIUM\_JAVA\_TESTNG
- APPIUM\_PYTHON
- APPIUM\_NODE
- APPIUM\_RUBY
- APPIUM\_WEB\_JAVA\_JUNIT
- APPIUM\_WEB\_JAVA\_TESTNG
- APPIUM\_WEB\_PYTHON
- APPIUM\_WEB\_NODE
- APPIUM\_WEB\_RUBY
- INSTRUMENTATION
- XCTEST
- XCTEST\_UI

Type: String

Valid Values: BUILTIN\_FUZZ | APPIUM\_JAVA\_JUNIT | APPIUM\_JAVA\_TESTNG | APPIUM\_PYTHON | APPIUM\_NODE | APPIUM\_RUBY | APPIUM\_WEB\_JAVA\_JUNIT | APPIUM\_WEB\_JAVA\_TESTNG | APPIUM\_WEB\_PYTHON | APPIUM\_WEB\_NODE | APPIUM\_WEB\_RUBY | INSTRUMENTATION | XCTEST | XCTEST\_UI

Required: Yes

## filter

The test's filter.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

## parameters

The test's parameters, such as test framework parameters and fixture settings. Parameters are represented by name-value pairs of strings.

For all tests:

- `app_performance_monitoring`: Performance monitoring is enabled by default. Set this parameter to false to disable it.

For Appium tests (all types):

- `appium_version`: The Appium version. Currently supported values are 1.6.5 (and later), latest, and default.
  - latest runs the latest Appium version supported by Device Farm (1.9.1).
  - For default, Device Farm selects a compatible version of Appium for the device. The current behavior is to run 1.7.2 on Android devices and iOS 9 and earlier and 1.7.2 for iOS 10 and later.
  - This behavior is subject to change.

For fuzz tests (Android only):

- `event_count`: The number of events, between 1 and 10000, that the UI fuzz test should perform.
- `throttle`: The time, in ms, between 0 and 1000, that the UI fuzz test should wait between events.
- `seed`: A seed to use for randomizing the UI fuzz test. Using the same seed value between tests ensures identical event sequences.

For Instrumentation:

- `filter`: A test filter string. Examples:
  - Running a single test case: `com.android.abc.Test1`

- Running a single test: `com.android.abc.Test1#smoke`
- Running multiple tests: `com.android.abc.Test1,com.android.abc.Test2`

For XCTest and XCTestUI:

- filter: A test filter string. Examples:
  - Running a single test class: `LoginTests`
  - Running a multiple test classes: `LoginTests,SmokeTests`
  - Running a single test: `LoginTests/testValid`
  - Running multiple tests: `LoginTests/testValid,LoginTests/testInvalid`

Type: String to string map

Required: No

### **testPackageArn**

The ARN of the uploaded test to be run.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### **testSpecArn**

The ARN of the YAML-formatted test specification.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

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](#)

# Suite

Represents a collection of one or more tests.

## Contents

### arn

The suite's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### counters

The suite's result counters.

Type: [Counters](#) object

Required: No

### created

When the suite was created.

Type: Timestamp

Required: No

### deviceMinutes

Represents the total (metered or unmetered) minutes used by the test suite.

Type: [DeviceMinutes](#) object

Required: No

### message

A message about the suite's result.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### **name**

The suite's name.

Type: String

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

Required: No

### **result**

The suite's result.

Allowed values include:

- PENDING
- PASSED
- WARNED
- FAILED
- SKIPPED
- ERRORED
- STOPPED

Type: String

Valid Values: PENDING | PASSED | WARNED | FAILED | SKIPPED | ERRORED | STOPPED

Required: No

### **started**

The suite's start time.

Type: Timestamp

Required: No

## status

The suite's status.

Allowed values include:

- PENDING
- PENDING\_CONCURRENCY
- PENDING\_DEVICE
- PROCESSING
- SCHEDULING
- PREPARING
- RUNNING
- COMPLETED
- STOPPING

Type: String

Valid Values: PENDING | PENDING\_CONCURRENCY | PENDING\_DEVICE | PROCESSING | SCHEDULING | PREPARING | RUNNING | COMPLETED | STOPPING

Required: No

## stopped

The suite's stop time.

Type: Timestamp

Required: No

## type

The suite's type.

Must be one of the following values:

- BUILTIN\_FUZZ
- APPIUM\_JAVA\_JUNIT
- APPIUM\_JAVA\_TESTNG
- APPIUM\_PYTHON

- APPIUM\_NODE
- APPIUM\_RUBY
- APPIUM\_WEB\_JAVA\_JUNIT
- APPIUM\_WEB\_JAVA\_TESTNG
- APPIUM\_WEB\_PYTHON
- APPIUM\_WEB\_NODE
- APPIUM\_WEB\_RUBY
- INSTRUMENTATION
- XCTEST
- XCTEST\_UI

Type: String

Valid Values: BUILTIN\_FUZZ | APPIUM\_JAVA\_JUNIT | APPIUM\_JAVA\_TESTNG | APPIUM\_PYTHON | APPIUM\_NODE | APPIUM\_RUBY | APPIUM\_WEB\_JAVA\_JUNIT | APPIUM\_WEB\_JAVA\_TESTNG | APPIUM\_WEB\_PYTHON | APPIUM\_WEB\_NODE | APPIUM\_WEB\_RUBY | INSTRUMENTATION | XCTEST | XCTEST\_UI

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 metadata that you apply to a resource to help you categorize and organize it. Each tag consists of a key and an optional value, both of which you define. Tag keys can have a maximum character length of 128 characters. Tag values can have a maximum length of 256 characters.

## Contents

### Key

One part of a key-value pair that makes up a tag. A key is a general label that acts like a category for more specific tag values.

Type: String

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

Required: Yes

### Value

The optional part of a key-value pair that makes up a tag. A value acts as a descriptor in a tag category (key).

Type: String

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

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](#)

# Test

Represents a condition that is evaluated.

## Contents

### arn

The test's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### counters

The test's result counters.

Type: [Counters](#) object

Required: No

### created

When the test was created.

Type: Timestamp

Required: No

### deviceMinutes

Represents the total (metered or unmetered) minutes used by the test.

Type: [DeviceMinutes](#) object

Required: No

### message

A message about the test's result.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### **name**

The test's name.

Type: String

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

Required: No

### **result**

The test's result.

Allowed values include:

- PENDING
- PASSED
- WARNED
- FAILED
- SKIPPED
- ERRORED
- STOPPED

Type: String

Valid Values: PENDING | PASSED | WARNED | FAILED | SKIPPED | ERRORED | STOPPED

Required: No

### **started**

The test's start time.

Type: Timestamp

Required: No

## status

The test's status.

Allowed values include:

- PENDING
- PENDING\_CONCURRENCY
- PENDING\_DEVICE
- PROCESSING
- SCHEDULING
- PREPARING
- RUNNING
- COMPLETED
- STOPPING

Type: String

Valid Values: PENDING | PENDING\_CONCURRENCY | PENDING\_DEVICE | PROCESSING | SCHEDULING | PREPARING | RUNNING | COMPLETED | STOPPING

Required: No

## stopped

The test's stop time.

Type: Timestamp

Required: No

## type

The test's type.

Must be one of the following values:

- BUILTIN\_FUZZ
- APPIUM\_JAVA\_JUNIT
- APPIUM\_JAVA\_TESTNG
- APPIUM\_PYTHON

- APPIUM\_NODE
- APPIUM\_RUBY
- APPIUM\_WEB\_JAVA\_JUNIT
- APPIUM\_WEB\_JAVA\_TESTNG
- APPIUM\_WEB\_PYTHON
- APPIUM\_WEB\_NODE
- APPIUM\_WEB\_RUBY
- INSTRUMENTATION
- XCTEST
- XCTEST\_UI

Type: String

Valid Values: BUILTIN\_FUZZ | APPIUM\_JAVA\_JUNIT | APPIUM\_JAVA\_TESTNG | APPIUM\_PYTHON | APPIUM\_NODE | APPIUM\_RUBY | APPIUM\_WEB\_JAVA\_JUNIT | APPIUM\_WEB\_JAVA\_TESTNG | APPIUM\_WEB\_PYTHON | APPIUM\_WEB\_NODE | APPIUM\_WEB\_RUBY | INSTRUMENTATION | XCTEST | XCTEST\_UI

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](#)

# TestGridProject

A Selenium testing project. Projects are used to collect and collate sessions.

## Contents

### **arn**

The ARN for the project.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### **created**

When the project was created.

Type: Timestamp

Required: No

### **description**

A human-readable description for the project.

Type: String

Required: No

### **name**

A human-readable name for the project.

Type: String

Required: No

### **vpcConfig**

The VPC security groups and subnets that are attached to a project.

Type: [TestGridVpcConfig](#) 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](#)

# TestGridSession

A [TestGridSession](#) is a single instance of a browser launched from the URL provided by a call to [CreateTestGridUrl](#).

## Contents

### arn

The ARN of the session.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*+`

Required: No

### billingMinutes

The number of billed minutes that were used for this session.

Type: Double

Required: No

### created

The time that the session was started.

Type: Timestamp

Required: No

### ended

The time the session ended.

Type: Timestamp

Required: No

### seleniumProperties

A JSON object of options and parameters passed to the Selenium WebDriver.

Type: String

Required: No

### **status**

The state of the session.

Type: String

Valid Values: ACTIVE | CLOSED | ERRORRED

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](#)

# TestGridSessionAction

An action taken by a [TestGridSession](#) browser instance.

## Contents

### action

The action taken by the session.

Type: String

Required: No

### duration

The time, in milliseconds, that the action took to complete in the browser.

Type: Long

Required: No

### requestMethod

HTTP method that the browser used to make the request.

Type: String

Required: No

### started

The time that the session invoked the action.

Type: Timestamp

Required: No

### statusCode

HTTP status code returned to the browser when the action was taken.

Type: String

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](#)

# TestGridSessionArtifact

Artifacts are video and other files that are produced in the process of running a browser in an automated context.

## Note

Video elements might be broken up into multiple artifacts as they grow in size during creation.

## Contents

### filename

The file name of the artifact.

Type: String

Required: No

### type

The kind of artifact.

Type: String

Valid Values: UNKNOWN | VIDEO | SELENIUM\_LOG

Required: No

### url

A semi-stable URL to the content of the object.

Type: String

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](#)

# TestGridVpcConfig

The VPC security groups and subnets that are attached to a project.

## Contents

### **securityGroupIds**

A list of VPC security group IDs in your Amazon 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 4096.

Pattern: `.*\S.*`

Required: Yes

### **subnetIds**

A list of VPC subnet IDs in your Amazon VPC.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

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

Pattern: `.*\S.*`

Required: Yes

### **vpcId**

The ID of the Amazon VPC.

Type: String

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

Pattern: `.*\S.*`

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](#)

# TrialMinutes

Represents information about free trial device minutes for an AWS account.

## Contents

### remaining

The number of free trial minutes remaining in the account.

Type: Double

Required: No

### total

The total number of free trial minutes that the account started with.

Type: Double

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](#)

# UniqueProblem

A collection of one or more problems, grouped by their result.

## Contents

### message

A message about the unique problems' result.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### problems

Information about the problems.

Type: Array of [Problem](#) objects

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](#)

# Upload

An app or a set of one or more tests to upload or that have been uploaded.

## Contents

### **arn**

The upload's ARN.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### **category**

The upload's category. Allowed values include:

- **CURATED**: An upload managed by AWS Device Farm.
- **PRIVATE**: An upload managed by the AWS Device Farm customer.

Type: String

Valid Values: `CURATED | PRIVATE`

Required: No

### **contentType**

The upload's content type (for example, `application/octet-stream`).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Required: No

### **created**

When the upload was created.

Type: Timestamp

Required: No

### **message**

A message about the upload's result.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 16384.

Required: No

### **metadata**

The upload's metadata. For example, for Android, this contains information that is parsed from the manifest and is displayed in the AWS Device Farm console after the associated app is uploaded.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: No

### **name**

The upload's file name.

Type: String

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

Required: No

### **status**

The upload's status.

Must be one of the following values:

- FAILED
- INITIALIZED
- PROCESSING

- SUCCEEDED

Type: String

Valid Values: INITIALIZED | PROCESSING | SUCCEEDED | FAILED

Required: No

## type

The upload's type.

Must be one of the following values:

- ANDROID\_APP
- IOS\_APP
- WEB\_APP
- EXTERNAL\_DATA
- APPIUM\_JAVA\_JUNIT\_TEST\_PACKAGE
- APPIUM\_JAVA\_TESTNG\_TEST\_PACKAGE
- APPIUM\_PYTHON\_TEST\_PACKAGE
- APPIUM\_NODE\_TEST\_PACKAGE
- APPIUM\_RUBY\_TEST\_PACKAGE
- APPIUM\_WEB\_JAVA\_JUNIT\_TEST\_PACKAGE
- APPIUM\_WEB\_JAVA\_TESTNG\_TEST\_PACKAGE
- APPIUM\_WEB\_PYTHON\_TEST\_PACKAGE
- APPIUM\_WEB\_NODE\_TEST\_PACKAGE
- APPIUM\_WEB\_RUBY\_TEST\_PACKAGE
- INSTRUMENTATION\_TEST\_PACKAGE
- XCTEST\_TEST\_PACKAGE
- XCTEST\_UI\_TEST\_PACKAGE
- APPIUM\_JAVA\_JUNIT\_TEST\_SPEC
- APPIUM\_JAVA\_TESTNG\_TEST\_SPEC
- APPIUM\_PYTHON\_TEST\_SPEC
- APPIUM\_NODE\_TEST\_SPEC

- APPIUM\_RUBY\_TEST\_SPEC
- APPIUM\_WEB\_JAVA\_JUNIT\_TEST\_SPEC
- APPIUM\_WEB\_JAVA\_TESTNG\_TEST\_SPEC
- APPIUM\_WEB\_PYTHON\_TEST\_SPEC
- APPIUM\_WEB\_NODE\_TEST\_SPEC
- APPIUM\_WEB\_RUBY\_TEST\_SPEC
- INSTRUMENTATION\_TEST\_SPEC
- XCTEST\_UI\_TEST\_SPEC

Type: String

Valid Values: ANDROID\_APP | IOS\_APP | WEB\_APP | EXTERNAL\_DATA | APPIUM\_JAVA\_JUNIT\_TEST\_PACKAGE | APPIUM\_JAVA\_TESTNG\_TEST\_PACKAGE | APPIUM\_PYTHON\_TEST\_PACKAGE | APPIUM\_NODE\_TEST\_PACKAGE | APPIUM\_RUBY\_TEST\_PACKAGE | APPIUM\_WEB\_JAVA\_JUNIT\_TEST\_PACKAGE | APPIUM\_WEB\_JAVA\_TESTNG\_TEST\_PACKAGE | APPIUM\_WEB\_PYTHON\_TEST\_PACKAGE | APPIUM\_WEB\_NODE\_TEST\_PACKAGE | APPIUM\_WEB\_RUBY\_TEST\_PACKAGE | CALABASH\_TEST\_PACKAGE | INSTRUMENTATION\_TEST\_PACKAGE | UIAUTOMATION\_TEST\_PACKAGE | UIAUTOMATOR\_TEST\_PACKAGE | XCTEST\_TEST\_PACKAGE | XCTEST\_UI\_TEST\_PACKAGE | APPIUM\_JAVA\_JUNIT\_TEST\_SPEC | APPIUM\_JAVA\_TESTNG\_TEST\_SPEC | APPIUM\_PYTHON\_TEST\_SPEC | APPIUM\_NODE\_TEST\_SPEC | APPIUM\_RUBY\_TEST\_SPEC | APPIUM\_WEB\_JAVA\_JUNIT\_TEST\_SPEC | APPIUM\_WEB\_JAVA\_TESTNG\_TEST\_SPEC | APPIUM\_WEB\_PYTHON\_TEST\_SPEC | APPIUM\_WEB\_NODE\_TEST\_SPEC | APPIUM\_WEB\_RUBY\_TEST\_SPEC | INSTRUMENTATION\_TEST\_SPEC | XCTEST\_UI\_TEST\_SPEC

Required: No

## url

The presigned Amazon S3 URL that was used to store a file using a PUT request.

Type: String

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

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](#)

# VpcConfig

Contains the VPC configuration data necessary to interface with AWS Device Farm's services.

## Contents

### **securityGroupIds**

An array of one or more security groups IDs in your Amazon 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 4096.

Pattern: `^sg-[0-9a-fA-F]{8,}$`

Required: Yes

### **subnetIds**

An array of one or more subnet IDs in your Amazon VPC.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

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

Pattern: `^subnet-[0-9a-fA-F]{8,}$`

Required: Yes

### **vpcId**

The ID of the Amazon VPC.

Type: String

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

Pattern: `.*\S.*`

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](#)

# VPCEConfiguration

Represents an Amazon Virtual Private Cloud (VPC) endpoint configuration.

## Contents

### **arn**

The Amazon Resource Name (ARN) of the VPC endpoint configuration.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 1011.

Pattern: `^arn:aws:devicefarm:.*`

Required: No

### **serviceDnsName**

The DNS name that maps to the private IP address of the service you want to access.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

### **vpceConfigurationDescription**

An optional description that provides details about your VPC endpoint configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

### **vpceConfigurationName**

The friendly name you give to your VPC endpoint configuration to manage your configurations more easily.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

### **vpceServiceName**

The name of the VPC endpoint service running in your AWS account that you want Device Farm to test.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

## **See Also**

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

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

# Common Parameters

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

## X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: *access\_key/YYYYMMDD/region/service/aws4\_request*.

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

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

Type: string

Required: Conditional

## X-Amz-Date

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

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

Type: string

Required: Conditional

### **X-Amz-Security-Token**

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

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

Type: string

Required: Conditional

### **X-Amz-Signature**

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

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

Type: string

Required: Conditional

### **X-Amz-SignedHeaders**

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

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

Type: string

## Required: Conditional

# Common Error Types

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

## AccessDeniedException

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

HTTP Status Code: 403

## ExpiredTokenException

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

HTTP Status Code: 403

## IncompleteSignature

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

HTTP Status Code: 403

## InternalFailure

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

HTTP Status Code: 500

## MalformedHttpRequestException

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

HTTP Status Code: 400

**NotAuthorized**

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

HTTP Status Code: 401

**OptInRequired**

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

HTTP Status Code: 403

**RequestAbortedException**

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

HTTP Status Code: 400

**RequestEntityTooLargeException**

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

HTTP Status Code: 413

**RequestTimeoutException**

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

HTTP Status Code: 408

**ServiceUnavailable**

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

**ThrottlingException**

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

HTTP Status Code: 400

## **UnknownOperationException**

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

HTTP Status Code: 404

## **UnrecognizedClientException**

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

HTTP Status Code: 403

## **ValidationError**

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

HTTP Status Code: 400