AWS Device Farm

API Reference

API Version 2015-06-23

AWS Device Farm: API Reference

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Welcome

AWS Device Farm is a service that enables mobile app developers to test Android, iOS, and Fire OS apps on physical phones, tablets, and other devices in the cloud.

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Actions

The following actions are supported:

CreateDevicePool

Creates a device pool.

Request Syntax

```
{
    "description": "string",
    "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 (p. 146).

The request accepts the following data in JSON format.

description (p. 4)

The device pool's description.

Type: String

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

Required: No

name (p. 4)

The device pool's name.

Type: String

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

Required: Yes

projectArn (p. 4)

The ARN of the project for the device pool.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

rules (p. 4)

The device pool's rules.

Type: array of Rule (p. 132) objects

Required: Yes

Response Syntax

```
{
    "devicePool": {
        "arn": "string",
```

```
        "description": "string",
        "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 (p. 4)

> The newly created device pool.
>
> Type: DevicePool (p. 113) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

> An invalid argument was specified.
>
> HTTP Status Code: 400

LimitExceededException

> A limit was exceeded.
>
> HTTP Status Code: 400

NotFoundException

> The specified entity was not found.
>
> HTTP Status Code: 400

ServiceAccountException

> There was a problem with the service account.
>
> HTTP Status Code: 400

CreateProject

Creates a new project.

Request Syntax

```
{
    "name": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

name (p. 6)
> The project's name.
> Type: String
> Length Constraints: Minimum length of 0. Maximum length of 256.
> Required: Yes

Response Syntax

```
{
    "project": {
        "arn": "string",
        "created": number,
        "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.

project (p. 6)
> The newly created project.
> Type: Project (p. 126) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException
> An invalid argument was specified.
> HTTP Status Code: 400

LimitExceededException
> A limit was exceeded.
> HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

CreateRemoteAccessSession

Specifies and starts a remote access session.

Request Syntax

```
{
    "configuration": {
        "billingMethod": "string"
    },
    "deviceArn": "string",
    "name": "string",
    "projectArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

configuration (p. 8)

The configuration information for the remote access session request.

Type: CreateRemoteAccessSessionConfiguration (p. 109) object

Required: No

deviceArn (p. 8)

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

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

name (p. 8)

The name of the remote access session that you wish to create.

Type: String

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

Required: No

projectArn (p. 8)

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.

Required: Yes

Response Syntax

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

```
            "arn": "string",
            "carrier": "string",
            "cpu": {
                "architecture": "string",
                "clock": number,
                "frequency": "string"
            },
            "fleetName": "string",
            "fleetType": "string",
            "formFactor": "string",
            "heapSize": number,
            "image": "string",
            "manufacturer": "string",
            "memory": number,
            "model": "string",
            "name": "string",
            "os": "string",
            "platform": "string",
            "radio": "string",
            "remoteAccessEnabled": boolean,
            "resolution": {
                "height": number,
                "width": number
            }
        },
        "deviceMinutes": {
            "metered": number,
            "total": number,
            "unmetered": number
        },
        "endpoint": "string",
        "message": "string",
        "name": "string",
        "result": "string",
        "started": number,
        "status": "string",
        "stopped": 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.

remoteAccessSession (p. 8)
> A container that describes the remote access session when the request to create a remote access session is sent.
>
> Type: RemoteAccessSession (p. 129) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException
> An invalid argument was specified.
>
> HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

contentType (p. 11)

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 (p. 11)

The upload's file name. The name should not contain the '/' character. If uploading an iOS app, the
file name needs to end with the `.ipa` extension. If uploading an Android app, the file name needs
to 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 (p. 11)

The ARN of the project for the upload.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

type (p. 11)

The upload's upload type.

Must be one of the following values:

- ANDROID_APP: An Android upload.
- IOS_APP: An iOS upload.
- WEB_APP: A web appliction upload.
- EXTERNAL_DATA: An external data upload.
- APPIUM_JAVA_JUNIT_TEST_PACKAGE: An Appium Java JUnit test package upload.
- APPIUM_JAVA_TESTNG_TEST_PACKAGE: An Appium Java TestNG test package upload.
- APPIUM_PYTHON_TEST_PACKAGE: An Appium Python test package upload.
- APPIUM_WEB_JAVA_JUNIT_TEST_PACKAGE: An Appium Java JUnit test package upload.
- APPIUM_WEB_JAVA_TESTNG_TEST_PACKAGE: An Appium Java TestNG test package
  upload.
- APPIUM_WEB_PYTHON_TEST_PACKAGE: An Appium Python test package upload.

- CALABASH_TEST_PACKAGE: A Calabash test package upload.
- INSTRUMENTATION_TEST_PACKAGE: An instrumentation upload.
- UIAUTOMATION_TEST_PACKAGE: A uiautomation test package upload.
- UIAUTOMATOR_TEST_PACKAGE: A uiautomator test package upload.
- XCTEST_TEST_PACKAGE: An XCode test package upload.
- XCTEST_UI_TEST_PACKAGE: An XCode UI test package upload.

Note 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_WEB_JAVA_JUNIT_TEST_PACKAGE | APPIUM_WEB_JAVA_TESTNG_TEST_PACKAGE | APPIUM_WEB_PYTHON_TEST_PACKAGE | CALABASH_TEST_PACKAGE | INSTRUMENTATION_TEST_PACKAGE | UIAUTOMATION_TEST_PACKAGE | UIAUTOMATOR_TEST_PACKAGE | XCTEST_TEST_PACKAGE | XCTEST_UI_TEST_PACKAGE`

Required: Yes

Response Syntax

```
{
    "upload": {
        "arn": "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 (p. 12)
> The newly created upload.
> Type: Upload (p. 144) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException
> An invalid argument was specified.
> HTTP Status Code: 400

LimitExceededException
> A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 14)

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

Type: String

Length Constraints: Minimum length of 32.

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 Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

DeleteProject

Deletes an AWS Device Farm project, given the project ARN.
Note Deleting this resource does not stop an in-progress run.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common
Parameters (p. 146).

The request accepts the following data in JSON format.

arn (p. 15)

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

Type: String

Length Constraints: Minimum length of 32.

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 Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

DeleteRemoteAccessSession

Deletes a completed remote access session and its results.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

arn (p. 16)

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

Type: String

Length Constraints: Minimum length of 32.

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 Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

DeleteRun

Deletes the run, given the run ARN.

Note Deleting this resource does not stop an in-progress run.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

arn (p. 17)

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

Type: String

Length Constraints: Minimum length of 32.

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 Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 18)

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

Type: String

Length Constraints: Minimum length of 32.

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 Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

GetAccountSettings

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

Response Syntax

```
{
    "accountSettings": {
        "awsAccountNumber": "string",
        "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 (p. 19)

A container for account-level settings within AWS Device Farm.

Type: AccountSettings (p. 104) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 20)

The device type's ARN.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

Response Syntax

```
{
    "device": {
        "arn": "string",
        "carrier": "string",
        "cpu": {
            "architecture": "string",
            "clock": number,
            "frequency": "string"
        },
        "fleetName": "string",
        "fleetType": "string",
        "formFactor": "string",
        "heapSize": number,
        "image": "string",
        "manufacturer": "string",
        "memory": number,
        "model": "string",
        "name": "string",
        "os": "string",
        "platform": "string",
        "radio": "string",
        "remoteAccessEnabled": 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 (p. 20)

    Represents a device type that an app is tested against.

    Type: Device (p. 110) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

    An invalid argument was specified.

    HTTP Status Code: 400

LimitExceededException

    A limit was exceeded.

    HTTP Status Code: 400

NotFoundException

    The specified entity was not found.

    HTTP Status Code: 400

ServiceAccountException

    There was a problem with the service account.

    HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 22)

The device pool's ARN.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

Response Syntax

```
{
    "devicePool": {
        "arn": "string",
        "description": "string",
        "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 (p. 22)

Represents a collection of device types.

Type: DevicePool (p. 113) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

> An invalid argument was specified.
>
> HTTP Status Code: 400

LimitExceededException

> A limit was exceeded.
>
> HTTP Status Code: 400

NotFoundException

> The specified entity was not found.
>
> HTTP Status Code: 400

ServiceAccountException

> There was a problem with the service account.
>
> HTTP Status Code: 400

GetDevicePoolCompatibility

Gets information about compatibility with a device pool.

Request Syntax

```
{
    "appArn": "string",
    "devicePoolArn": "string",
    "testType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common
Parameters (p. 146).

The request accepts the following data in JSON format.

appArn (p. 24)

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

Type: String

Length Constraints: Minimum length of 32.

Required: No

devicePoolArn (p. 24)

The device pool's ARN.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

testType (p. 24)

The test type for the specified device pool.

Allowed values include the following:

- BUILTIN_FUZZ: The built-in fuzz type.
- BUILTIN_EXPLORER: For Android, an app explorer that will traverse an Android app,
  interacting with it and capturing screenshots at the same time.
- APPIUM_JAVA_JUNIT: The Appium Java JUnit type.
- APPIUM_JAVA_TESTNG: The Appium Java TestNG type.
- APPIUM_PYTHON: The Appium Python type.
- APPIUM_WEB_JAVA_JUNIT: The Appium Java JUnit type for Web apps.
- APPIUM_WEB_JAVA_TESTNG: The Appium Java TestNG type for Web apps.
- APPIUM_WEB_PYTHON: The Appium Python type for Web apps.
- CALABASH: The Calabash type.
- INSTRUMENTATION: The Instrumentation type.
- UIAUTOMATION: The uiautomation type.
- UIAUTOMATOR: The uiautomator type.
- XCTEST: The XCode test type.
- XCTEST_UI: The XCode UI test type.

Type: String

Valid Values: `BUILTIN_FUZZ` | `BUILTIN_EXPLORER` | `APPIUM_JAVA_JUNIT`
| `APPIUM_JAVA_TESTNG` | `APPIUM_PYTHON` | `APPIUM_WEB_JAVA_JUNIT` |

APPIUM_WEB_JAVA_TESTNG | APPIUM_WEB_PYTHON | CALABASH | INSTRUMENTATION |
UIAUTOMATION | UIAUTOMATOR | XCTEST | XCTEST_UI
Required: No

Response Syntax

```
{
   "compatibleDevices": [
      {
         "compatible": boolean,
         "device": {
            "arn": "string",
            "carrier": "string",
            "cpu": {
               "architecture": "string",
               "clock": number,
               "frequency": "string"
            },
            "fleetName": "string",
            "fleetType": "string",
            "formFactor": "string",
            "heapSize": number,
            "image": "string",
            "manufacturer": "string",
            "memory": number,
            "model": "string",
            "name": "string",
            "os": "string",
            "platform": "string",
            "radio": "string",
            "remoteAccessEnabled": boolean,
            "resolution": {
               "height": number,
               "width": number
            }
         },
         "incompatibilityMessages": [
            {
               "message": "string",
               "type": "string"
            }
         ]
      }
   ],
   "incompatibleDevices": [
      {
         "compatible": boolean,
         "device": {
            "arn": "string",
            "carrier": "string",
            "cpu": {
               "architecture": "string",
               "clock": number,
               "frequency": "string"
            },
            "fleetName": "string",
            "fleetType": "string",
```

```
            "formFactor": "string",
            "heapSize": number,
            "image": "string",
            "manufacturer": "string",
            "memory": number,
            "model": "string",
            "name": "string",
            "os": "string",
            "platform": "string",
            "radio": "string",
            "remoteAccessEnabled": 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 (p. 25)

Information about compatible devices.

Type: array of DevicePoolCompatibilityResult (p. 114) objects

incompatibleDevices (p. 25)

Information about incompatible devices.

Type: array of DevicePoolCompatibilityResult (p. 114) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 28)

The job's ARN.

Type: String

Length Constraints: Minimum length of 32.

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",
            "carrier": "string",
            "cpu": {
                "architecture": "string",
                "clock": number,
                "frequency": "string"
            },
            "fleetName": "string",
            "fleetType": "string",
            "formFactor": "string",
            "heapSize": number,
            "image": "string",
            "manufacturer": "string",
            "memory": number,
            "model": "string",
```

```
            "name": "string",
            "os": "string",
            "platform": "string",
            "radio": "string",
            "remoteAccessEnabled": boolean,
            "resolution": {
                "height": number,
                "width": 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.

job (p. 28)
>   Represents a device.
>
>   Type: Job (p. 116) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException
>   An invalid argument was specified.
>
>   HTTP Status Code: 400

LimitExceededException
>   A limit was exceeded.
>
>   HTTP Status Code: 400

NotFoundException
>   The specified entity was not found.
>
>   HTTP Status Code: 400

ServiceAccountException
>   There was a problem with the service account.
>
>   HTTP Status Code: 400

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. Please contact aws-devicefarm-support@amazon.com if you believe that you should 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 (p. 146).

The request accepts the following data in JSON format.

nextToken (p. 30)

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 (p. 30)

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

　　Type: String to OfferingStatus (p. 122) object map

nextPeriod (p. 30)

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

　　Type: String to OfferingStatus (p. 122) object map

nextToken (p. 30)

　　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 Errors (p. 148).

ArgumentException

　　An invalid argument was specified.

　　HTTP Status Code: 400

LimitExceededException

　　A limit was exceeded.

　　HTTP Status Code: 400

NotEligibleException

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

　　HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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
        }
    }
}
```

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 33)
    The project's ARN.
    Type: String
    Length Constraints: Minimum length of 32.
    Required: Yes

Response Syntax

```
{
    "project": {
        "arn": "string",
        "created": number,
        "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.

project (p. 33)
    Represents an operating-system neutral workspace for running and managing tests.
    Type: Project (p. 126) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException
    An invalid argument was specified.
    HTTP Status Code: 400
LimitExceededException
    A limit was exceeded.
    HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 35)

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.

Required: Yes

Response Syntax

```
{
    "remoteAccessSession": {
        "arn": "string",
        "billingMethod": "string",
        "created": number,
        "device": {
            "arn": "string",
            "carrier": "string",
            "cpu": {
                "architecture": "string",
                "clock": number,
                "frequency": "string"
            },
            "fleetName": "string",
            "fleetType": "string",
            "formFactor": "string",
            "heapSize": number,
            "image": "string",
            "manufacturer": "string",
            "memory": number,
            "model": "string",
            "name": "string",
            "os": "string",
            "platform": "string",
            "radio": "string",
            "remoteAccessEnabled": boolean,
            "resolution": {
                "height": number,
```

```
            "width": number
        }
    },
    "deviceMinutes": {
        "metered": number,
        "total": number,
        "unmetered": number
    },
    "endpoint": "string",
    "message": "string",
    "name": "string",
    "result": "string",
    "started": number,
    "status": "string",
    "stopped": 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.

remoteAccessSession (p. 35)
> A container that lists detailed information about the remote access session.
>
> Type: RemoteAccessSession (p. 129) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException
> An invalid argument was specified.
>
> HTTP Status Code: 400

LimitExceededException
> A limit was exceeded.
>
> HTTP Status Code: 400

NotFoundException
> The specified entity was not found.
>
> HTTP Status Code: 400

ServiceAccountException
> There was a problem with the service account.
>
> HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 37)

The run's ARN.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

Response Syntax

```
{
    "run": {
        "arn": "string",
        "billingMethod": "string",
        "completedJobs": number,
        "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",
        "platform": "string",
        "result": "string",
        "started": number,
        "status": "string",
        "stopped": number,
        "totalJobs": 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.

run (p. 37)

    Represents an app on a set of devices with a specific test and configuration.

    Type: Run (p. 133) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

    An invalid argument was specified.

    HTTP Status Code: 400

LimitExceededException

    A limit was exceeded.

    HTTP Status Code: 400

NotFoundException

    The specified entity was not found.

    HTTP Status Code: 400

ServiceAccountException

    There was a problem with the service account.

    HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 39)

The suite's ARN.

Type: String

Length Constraints: Minimum length of 32.

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 (p. 39)

Represents a collection of one or more tests.

Type: Suite (p. 139) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 41)

The test's ARN.

Type: String

Length Constraints: Minimum length of 32.

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 (p. 41)

Represents a condition that is evaluated.

Type: Test (p. 141) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 43)

The upload's ARN.
Type: String
Length Constraints: Minimum length of 32.
Required: Yes

Response Syntax

```
{
    "upload": {
        "arn": "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 (p. 43)

An app or a set of one or more tests to upload or that have been uploaded.
Type: Upload (p. 144) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

appArn (p. 45)

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

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

remoteAccessSessionArn (p. 45)

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

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

Response Syntax

```
{
    "appUpload": {
        "arn": "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 (p. 45)

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

Type: Upload (p. 144) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 47)

The Run, Job, Suite, or Test ARN.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

nextToken (p. 47)

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 (p. 47)

The artifacts' type.

Allowed values include:

- FILE: The artifacts are files.
- LOG: The artifacts are logs.
- SCREENSHOT: The artifacts are screenshots.

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 (p. 47)

Information about the artifacts.

Type: array of Artifact (p. 105) objects

nextToken (p. 47)

If the number of items that are returned is significantly large, this is an identifier that is also returned, which 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 Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 49)

The project ARN.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

nextToken (p. 49)

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 (p. 49)

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",
            "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 (p. 49)

Information about the device pools.

Type: array of DevicePool (p. 113) objects

nextToken (p. 49)

If the number of items that are returned is significantly large, this is an identifier that is also returned, which 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 Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

ListDevices

Gets information about unique device types.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

arn (p. 51)

The Amazon Resource Name (ARN) of the project.

Type: String

Length Constraints: Minimum length of 32.

Required: No

nextToken (p. 51)

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",
            "carrier": "string",
            "cpu": {
                "architecture": "string",
                "clock": number,
                "frequency": "string"
            },
            "fleetName": "string",
            "fleetType": "string",
            "formFactor": "string",
            "heapSize": number,
            "image": "string",
            "manufacturer": "string",
            "memory": number,
            "model": "string",
            "name": "string",
            "os": "string",
            "platform": "string",
```

```
            "radio": "string",
            "remoteAccessEnabled": 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 (p. 51)

Information about the devices.

Type: array of Device (p. 110) objects

nextToken (p. 51)

If the number of items that are returned is significantly large, this is an identifier that is also returned, which 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 Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

ListJobs

Gets information about jobs.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common
Parameters (p. 146).

The request accepts the following data in JSON format.

arn (p. 53)

The jobs' ARNs.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

nextToken (p. 53)

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",
                "carrier": "string",
                "cpu": {
                    "architecture": "string",
                    "clock": number,
                    "frequency": "string"
                },
```

```
                "fleetName": "string",
                "fleetType": "string",
                "formFactor": "string",
                "heapSize": number,
                "image": "string",
                "manufacturer": "string",
                "memory": number,
                "model": "string",
                "name": "string",
                "os": "string",
                "platform": "string",
                "radio": "string",
                "remoteAccessEnabled": boolean,
                "resolution": {
                    "height": number,
                    "width": number
                }
            },
            "deviceMinutes": {
                "metered": number,
                "total": number,
                "unmetered": number
            },
            "message": "string",
            "name": "string",
            "result": "string",
            "started": number,
            "status": "string",
            "stopped": 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.

jobs (p. 53)

Information about the jobs.

Type: array of Job (p. 116) objects

nextToken (p. 53)

If the number of items that are returned is significantly large, this is an identifier that is also returned, which 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 Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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. Please contact aws-devicefarm-support@amazon.com if you believe that you should 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 (p. 146).

The request accepts the following data in JSON format.

nextToken (p. 56)
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 (p. 56)

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 (p. 56)

A value representing the list offering results.

Type: array of Offering (p. 121) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotEligibleException

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

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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"
        }
    ]
}
```

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. Please contact aws-devicefarm-support@amazon.com if you believe that you should 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 (p. 146).

The request accepts the following data in JSON format.

nextToken (p. 59)
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,
            "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 (p. 59)

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 (p. 59)

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

Type: array of OfferingTransaction (p. 123) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotEligibleException

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

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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"
        }
    ]
}
```

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 67)

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.

Required: No

nextToken (p. 67)

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,
            "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 (p. 67)

If the number of items that are returned is significantly large, this is an identifier that is also
returned, which 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 (p. 67)

Information about the projects.

Type: array of Project (p. 126) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 69)

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

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

nextToken (p. 69)

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": [
        {
            "arn": "string",
            "billingMethod": "string",
            "created": number,
            "device": {
                "arn": "string",
                "carrier": "string",
                "cpu": {
                    "architecture": "string",
                    "clock": number,
                    "frequency": "string"
                },
                "fleetName": "string",
                "fleetType": "string",
                "formFactor": "string",
                "heapSize": number,
                "image": "string",
                "manufacturer": "string",
```

```
            "memory": number,
            "model": "string",
            "name": "string",
            "os": "string",
            "platform": "string",
            "radio": "string",
            "remoteAccessEnabled": boolean,
            "resolution": {
                "height": number,
                "width": number
            }
        },
        "deviceMinutes": {
            "metered": number,
            "total": number,
            "unmetered": number
        },
        "endpoint": "string",
        "message": "string",
        "name": "string",
        "result": "string",
        "started": number,
        "status": "string",
        "stopped": 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.

nextToken (p. 69)

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 (p. 69)

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

Type: array of RemoteAccessSession (p. 129) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 72)

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

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

nextToken (p. 72)

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": [
        {
            "arn": "string",
            "billingMethod": "string",
            "completedJobs": number,
            "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",
        "platform": "string",
        "result": "string",
        "started": number,
        "status": "string",
        "stopped": number,
        "totalJobs": 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 (p. 72)

If the number of items that are returned is significantly large, this is an identifier that is also returned, which 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 (p. 72)

Information about the runs.

Type: array of Run (p. 133) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

ListSamples

Gets information about samples, 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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 74)

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

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

nextToken (p. 74)

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 (p. 74)

If the number of items that are returned is significantly large, this is an identifier that is also
returned, which 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 (p. 74)

Information about the samples.

Type: array of Sample (p. 136) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

ListSuites

Gets information about suites.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common
Parameters (p. 146).

The request accepts the following data in JSON format.

arn (p. 76)

The suites' ARNs.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

nextToken (p. 76)

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 (p. 76)

If the number of items that are returned is significantly large, this is an identifier that is also returned, which 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 (p. 76)

Information about the suites.

Type: array of Suite (p. 139) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

ListTests

Gets information about tests.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common
Parameters (p. 146).

The request accepts the following data in JSON format.

arn (p. 78)

The tests' ARNs.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

nextToken (p. 78)

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 (p. 78)

If the number of items that are returned is significantly large, this is an identifier that is also returned, which 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 (p. 78)

Information about the tests.

Type: array of Test (p. 141) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

ListUniqueProblems

Gets information about unique problems.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common
Parameters (p. 146).

The request accepts the following data in JSON format.

arn (p. 80)

The unique problems' ARNs.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

nextToken (p. 80)

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",
                            "carrier": "string",
                            "cpu": {
                                "architecture": "string",
                                "clock": number,
                                "frequency": "string"
                            },
                            "fleetName": "string",
                            "fleetType": "string",
                            "formFactor": "string",
                            "heapSize": number,
                            "image": "string",
```

```
                    "manufacturer": "string",
                    "memory": number,
                    "model": "string",
                    "name": "string",
                    "os": "string",
                    "platform": "string",
                    "radio": "string",
                    "remoteAccessEnabled": 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 (p. 80)

If the number of items that are returned is significantly large, this is an identifier that is also returned, which 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 (p. 80)

Information about the unique problems.

Allowed values include:

- PENDING: A pending condition.

- PASSED: A passing condition.

- WARNED: A warning condition.

- FAILED: A failed condition.

- SKIPPED: A skipped condition.
- ERRORED: An error condition.
- STOPPED: A stopped condition.

Type: String to array of UniqueProblem (p. 143) objects map

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

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

ListUploads

Gets information about uploads, 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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 83)

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

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

nextToken (p. 83)

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",
    "uploads": [
        {
            "arn": "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 (p. 83)

If the number of items that are returned is significantly large, this is an identifier that is also returned, which 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 (p. 83)

Information about the uploads.

Type: array of Upload (p. 144) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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. Please contact aws-devicefarm-support@amazon.com if you believe that you should be able to invoke this operation.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

offeringId (p. 85)

The ID of the offering.

Type: String

Length Constraints: Minimum length of 32.

Required: No

quantity (p. 85)

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

Type: Integer

Required: No

Response Syntax

```
{
    "offeringTransaction": {
        "cost": {
            "amount": number,
            "currencyCode": "string"
        },
        "createdOn": number,
        "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 (p. 85)

Represents the offering transaction for the purchase result.

Type: OfferingTransaction (p. 123) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotEligibleException

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

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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"
    }
}
```

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. Please contact aws-devicefarm-support@amazon.com if you believe that you should be able to invoke this operation.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

offeringId (p. 88)

    The ID of a request to renew an offering.

    Type: String

    Length Constraints: Minimum length of 32.

    Required: No

quantity (p. 88)

    The quantity requested in an offering renewal.

    Type: Integer

    Required: No

Response Syntax

```
{
    "offeringTransaction": {
        "cost": {
            "amount": number,
            "currencyCode": "string"
        },
        "createdOn": number,
        "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 (p. 88)

Represents the status of the offering transaction for the renewal.

Type: OfferingTransaction (p. 123) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotEligibleException

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

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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"
    }
}
```

ScheduleRun

Schedules a run.

Request Syntax

```
{
    "appArn": "string",
    "configuration": {
        "auxiliaryApps": [ "string" ],
        "billingMethod": "string",
        "extraDataPackageArn": "string",
        "locale": "string",
        "location": {
            "latitude": number,
            "longitude": number
        },
        "networkProfileArn": "string",
        "radios": {
            "bluetooth": boolean,
            "gps": boolean,
            "nfc": boolean,
            "wifi": boolean
        }
    },
    "devicePoolArn": "string",
    "name": "string",
    "projectArn": "string",
    "test": {
        "filter": "string",
        "parameters": {
            "string" : "string"
        },
        "testPackageArn": "string",
        "type": "string"
    }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

appArn (p. 91)

The ARN of the app to schedule a run.

Type: String

Length Constraints: Minimum length of 32.

Required: No

configuration (p. 91)

Information about the settings for the run to be scheduled.

Type: ScheduleRunConfiguration (p. 137) object

Required: No

devicePoolArn (p. 91)

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

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

name (p. 91)

The name for the run to be scheduled.

Type: String

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

Required: No

projectArn (p. 91)

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

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

test (p. 91)

Information about the test for the run to be scheduled.

Type: ScheduleRunTest (p. 138) object

Required: Yes

Response Syntax

```
{
    "run": {
        "arn": "string",
        "billingMethod": "string",
        "completedJobs": number,
        "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",
        "platform": "string",
        "result": "string",
        "started": number,
        "status": "string",
        "stopped": number,
        "totalJobs": 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.

run (p. 92)

Information about the scheduled run.

Type: Run (p. 133) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

IdempotencyException

An entity with the same name already exists.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 94)

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

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

Response Syntax

```
{
    "remoteAccessSession": {
        "arn": "string",
        "billingMethod": "string",
        "created": number,
        "device": {
            "arn": "string",
            "carrier": "string",
            "cpu": {
                "architecture": "string",
                "clock": number,
                "frequency": "string"
            },
            "fleetName": "string",
            "fleetType": "string",
            "formFactor": "string",
            "heapSize": number,
            "image": "string",
            "manufacturer": "string",
            "memory": number,
            "model": "string",
            "name": "string",
            "os": "string",
            "platform": "string",
            "radio": "string",
            "remoteAccessEnabled": boolean,
            "resolution": {
                "height": number,
                "width": number
```

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

remoteAccessSession (p. 94)

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

Type: RemoteAccessSession (p. 129) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

StopRun

Initiates a stop request for the current test run. AWS Device Farm will immediately stop the run on devices where tests have not started executing, and you will not be billed for these devices. On devices where tests have started executing, Setup Suite and Teardown Suite tests will run to completion before stopping execution on those devices. You will be 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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 96)

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

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

Response Syntax

```
{
    "run": {
        "arn": "string",
        "billingMethod": "string",
        "completedJobs": number,
        "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",
        "platform": "string",
        "result": "string",
        "started": number,
```

```
        "status": "string",
        "stopped": number,
        "totalJobs": 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.

run (p. 96)

Represents an app on a set of devices with a specific test and configuration.

Type: Run (p. 133) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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",
    "description": "string",
    "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 (p. 146).

The request accepts the following data in JSON format.

arn (p. 98)

The Amazon Resourc Name (ARN) of the Device Farm device pool you wish to update.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

description (p. 98)

A description of the device pool you wish to update.

Type: String

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

Required: No

name (p. 98)

A string representing the name of the device pool you wish to update.

Type: String

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

Required: No

rules (p. 98)

Represents the rules you wish to modify for the device pool. Updating rules is optional; however, if you choose to update rules for your request, the update will replace the existing rules.

Type: array of Rule (p. 132) objects

Required: No

Response Syntax

```
{
```

```
    "devicePool": {
        "arn": "string",
        "description": "string",
        "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 (p. 98)

Represents a collection of device types.

Type: DevicePool (p. 113) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

UpdateProject

Modifies the specified project name, given the project ARN and a new name.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

arn (p. 100)

The Amazon Resource Name (ARN) of the project whose name you wish to update.

Type: String

Length Constraints: Minimum length of 32.

Required: Yes

name (p. 100)

A string representing the new name of the project that you are updating.

Type: String

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

Required: No

Response Syntax

```
{
    "project": {
        "arn": "string",
        "created": number,
        "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.

project (p. 100)

Represents an operating-system neutral workspace for running and managing tests.

Type: Project (p. 126) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

ArgumentException

An invalid argument was specified.

HTTP Status Code: 400

LimitExceededException

A limit was exceeded.

HTTP Status Code: 400

NotFoundException

The specified entity was not found.

HTTP Status Code: 400

ServiceAccountException

There was a problem with the service account.

HTTP Status Code: 400

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

A container for account-level settings within 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

unmeteredDevices

Returns the unmetered devices you have purchased or want to purchase.

Type: String to Integer map

Valid Map 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 Map Keys: `ANDROID | IOS`

Required: No

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.

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: An unknown type.
- SCREENSHOT: The screenshot type.
- DEVICE_LOG: The device log type.
- MESSAGE_LOG: The message log type.
- RESULT_LOG: The result log type.
- SERVICE_LOG: The service log type.
- WEBKIT_LOG: The web kit log type.
- INSTRUMENTATION_OUTPUT: The instrumentation type.
- EXERCISER_MONKEY_OUTPUT: For Android, the artifact (log) generated by an Android fuzz test.
- CALABASH_JSON_OUTPUT: The Calabash JSON output type.
- CALABASH_PRETTY_OUTPUT: The Calabash pretty output type.
- CALABASH_STANDARD_OUTPUT: The Calabash standard output type.
- CALABASH_JAVA_XML_OUTPUT: The Calabash Java XML output type.
- AUTOMATION_OUTPUT: The automation output type.
- APPIUM_SERVER_OUTPUT: The Appium server output type.
- APPIUM_JAVA_OUTPUT: The Appium Java output type.
- APPIUM_JAVA_XML_OUTPUT: The Appium Java XML output type.
- APPIUM_PYTHON_OUTPUT: The Appium Python output type.
- APPIUM_PYTHON_XML_OUTPUT: The Appium Python XML output type.
- EXPLORER_EVENT_LOG: The Explorer event log output type.
- EXPLORER_SUMMARY_LOG: The Explorer summary log output type.
- APPLICATION_CRASH_REPORT: The application crash report output type.
- XCTEST_LOG: The XCode test output type.

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`

Required: No

url

The pre-signed Amazon S3 URL that can be used with a corresponding GET request to download the artifact's file.

Type: String

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

Required: No

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

CPU

Represents the amount of CPU that an app is using on a physical device.

Note that this 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

CreateRemoteAccessSessionConfiguration

Creates the configuration settings for a remote access session, including the device model and type.

Contents

billingMethod

Returns the billing method for purposes of configuring a remote access session.

Type: String

Valid Values: `METERED | UNMETERED`

Required: No

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.

Required: No

carrier

The device's carrier.

Type: String

Required: No

cpu

Information about the device's CPU.

Type: CPU (p. 108) 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 for fleet type are PRIVATE and PUBLIC.

Type: String

Required: No

formFactor

The device's form factor.

Allowed values include:

- PHONE: The phone form factor.
- TABLET: The tablet form factor.

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

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

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: The Android platform.
- IOS: The iOS platform.

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

resolution

Represents the screen resolution of a device in height and width, expressed in pixels.

Type: Resolution (p. 131) object

Required: No

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

DevicePool

Represents a collection of device types.

Contents

arn

The device pool's ARN.

Type: String

Length Constraints: Minimum length of 32.

Required: No

description

The device pool's description.

Type: String

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

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 (p. 132) 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

DevicePoolCompatibilityResult

Represents a device pool compatibility result.

Contents

compatible

Whether the result was compatible with the device pool.

Type: Boolean

Required: No

device

Represents a device type that an app is tested against.

Type: Device (p. 110) object

Required: No

incompatibilityMessages

Information about the compatibility.

Type: array of IncompatibilityMessage (p. 115) objects

Required: No

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: The ARN.
- FORM_FACTOR: The form factor (for example, phone or tablet).
- MANUFACTURER: The manufacturer.
- PLATFORM: The platform (for example, Android or iOS).

Type: String

Valid Values: `ARN | PLATFORM | FORM_FACTOR | MANUFACTURER | REMOTE_ACCESS_ENABLED`

Required: No

Job

Represents a device.

Contents

arn

The job's ARN.

Type: String

Length Constraints: Minimum length of 32.

Required: No

counters

The job's result counters.

Type: Counters (p. 107) object

Required: No

created

When the job was created.

Type: Timestamp

Required: No

device

Represents a device type that an app is tested against.

Type: Device (p. 110) object

Required: No

deviceMinutes

Represents the total (metered or unmetered) minutes used by the job.

Type: DeviceMinutes (p. 112) object

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: A pending condition.
- PASSED: A passing condition.
- WARNED: A warning condition.
- FAILED: A failed condition.
- SKIPPED: A skipped condition.
- ERRORED: An error condition.
- STOPPED: A stopped condition.

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: A pending status.
- PENDING_CONCURRENCY: A pending concurrency status.
- PENDING_DEVICE: A pending device status.
- PROCESSING: A processing status.
- SCHEDULING: A scheduling status.
- PREPARING: A preparing status.
- RUNNING: A running status.
- COMPLETED: A completed status.
- STOPPING: A stopping status.

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: The built-in fuzz type.
- BUILTIN_EXPLORER: For Android, an app explorer that will traverse an Android app, interacting with it and capturing screenshots at the same time.
- APPIUM_JAVA_JUNIT: The Appium Java JUnit type.
- APPIUM_JAVA_TESTNG: The Appium Java TestNG type.
- APPIUM_PYTHON: The Appium Python type.
- APPIUM_WEB_JAVA_JUNIT: The Appium Java JUnit type for Web apps.
- APPIUM_WEB_JAVA_TESTNG: The Appium Java TestNG type for Web apps.
- APPIUM_WEB_PYTHON: The Appium Python type for Web apps.
- CALABASH: The Calabash type.
- INSTRUMENTATION: The Instrumentation type.
- UIAUTOMATION: The uiautomation type.
- UIAUTOMATOR: The uiautomator type.
- XCTEST: The XCode test type.
- XCTEST_UI: The XCode UI test type.

Type: String

Valid Values: `BUILTIN_FUZZ` | `BUILTIN_EXPLORER` | `APPIUM_JAVA_JUNIT` | `APPIUM_JAVA_TESTNG` | `APPIUM_PYTHON` | `APPIUM_WEB_JAVA_JUNIT` |

APPIUM_WEB_JAVA_TESTNG | APPIUM_WEB_PYTHON | CALABASH | INSTRUMENTATION | UIAUTOMATION | UIAUTOMATOR | XCTEST | XCTEST_UI

Required: No

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

MonetaryAmount

A number representing 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

Offering

Represents the metadata of a device offering.

Contents

description

A string describing 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 (e.g., 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 (p. 128) objects

Required: No

type

The type of offering (e.g., "RECURRING") for a device.

Type: String

Valid Values: RECURRING

Required: No

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 (p. 121) 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

OfferingTransaction

Represents the metadata of an offering transaction.

Contents

cost

The cost of an offering transaction.

Type: MonetaryAmount (p. 120) object

Required: No

createdOn

The date on which an offering transaction was created.

Type: Timestamp

Required: No

offeringStatus

The status of an offering transaction.

Type: OfferingStatus (p. 122) object

Required: No

transactionId

The transaction ID of the offering transaction.

Type: String

Length Constraints: Minimum length of 32.

Required: No

Problem

Represents a specific warning or failure.

Contents

device

Information about the associated device.

Type: Device (p. 110) object

Required: No

job

Information about the associated job.

Type: ProblemDetail (p. 125) 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: A pending condition.
- PASSED: A passing condition.
- WARNED: A warning condition.
- FAILED: A failed condition.
- SKIPPED: A skipped condition.
- ERRORED: An error condition.
- STOPPED: A stopped condition.

Type: String

Valid Values: `PENDING | PASSED | WARNED | FAILED | SKIPPED | ERRORED | STOPPED`

Required: No

run

Information about the associated run.

Type: ProblemDetail (p. 125) object

Required: No

suite

Information about the associated suite.

Type: ProblemDetail (p. 125) object

Required: No

test

Information about the associated test.

Type: ProblemDetail (p. 125) object

Required: No

ProblemDetail

Information about a problem detail.

Contents

arn

The problem detail's ARN.

Type: String

Length Constraints: Minimum length of 32.

Required: No

name

The problem detail's name.

Type: String

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

Required: No

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.

Required: No

created

When the project was created.

Type: Timestamp

Required: No

name

The project's name.

Type: String

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

Required: No

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

RecurringCharge

Specifies whether charges for devices will be recurring.

Contents

cost

The cost of the recurring charge.

Type: MonetaryAmount (p. 120) object

Required: No

frequency

The frequency in which charges will recur.

Type: String

Valid Values: `MONTHLY`

Required: No

RemoteAccessSession

Represents information about the remote access session.

Contents

arn

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

Type: String

Length Constraints: Minimum length of 32.

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

Represents a device type that an app is tested against.

Type: Device (p. 110) object

Required: No

deviceMinutes

Represents the total (metered or unmetered) minutes used by the resource to run tests. Contains the sum of minutes consumed by all children.

Type: DeviceMinutes (p. 112) object

Required: No

endpoint

The endpoint for the remote access sesssion.

Type: String

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: A pending condition.
- PASSED: A passing condition.
- WARNED: A warning condition.

- FAILED: A failed condition.
- SKIPPED: A skipped condition.
- ERRORED: An error condition.
- STOPPED: A stopped condition.

Type: String

Valid Values: `PENDING | PASSED | WARNED | FAILED | SKIPPED | ERRORED | STOPPED`

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: A pending status.
- PENDING_CONCURRENCY: A pending concurrency status.
- PENDING_DEVICE: A pending device status.
- PROCESSING: A processing status.
- SCHEDULING: A scheduling status.
- PREPARING: A preparing status.
- RUNNING: A running status.
- COMPLETED: A completed status.
- STOPPING: A stopping status.

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

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

Rule

Represents a condition for a device pool.

Contents

attribute

The rule's stringified attribute. For example, specify the value as `"\"abc\""`.

Allowed values include:

- ARN: The ARN.
- FORM_FACTOR: The form factor (for example, phone or tablet).
- MANUFACTURER: The manufacturer.
- PLATFORM: The platform (for example, Android or iOS).

Type: String

Valid Values: `ARN | PLATFORM | FORM_FACTOR | MANUFACTURER | REMOTE_ACCESS_ENABLED`

Required: No

operator

The rule's operator.

- EQUALS: The equals operator.
- GREATER_THAN: The greater-than operator.
- IN: The in operator.
- LESS_THAN: The less-than operator.
- NOT_IN: The not-in operator.

Type: String

Valid Values: `EQUALS | LESS_THAN | GREATER_THAN | IN | NOT_IN`

Required: No

value

The rule's value.

Type: String

Required: No

Run

Represents an app on a set of devices with a specific test and configuration.

Contents

arn

The run's ARN.

Type: String

Length Constraints: Minimum length of 32.

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`.

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 (p. 107) object

Required: No

created

When the run was created.

Type: Timestamp

Required: No

deviceMinutes

Represents the total (metered or unmetered) minutes used by the test run.

Type: DeviceMinutes (p. 112) 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

platform

The run's platform.

Allowed values include:

- ANDROID: The Android platform.
- IOS: The iOS platform.

Type: String

Valid Values: `ANDROID | IOS`

Required: No

result

The run's result.

Allowed values include:

- PENDING: A pending condition.
- PASSED: A passing condition.
- WARNED: A warning condition.
- FAILED: A failed condition.
- SKIPPED: A skipped condition.
- ERRORED: An error condition.
- STOPPED: A stopped condition.

Type: String

Valid Values: `PENDING | PASSED | WARNED | FAILED | SKIPPED | ERRORED | STOPPED`

Required: No

started

The run's start time.

Type: Timestamp

Required: No

status

The run's status.

Allowed values include:

- PENDING: A pending status.
- PENDING_CONCURRENCY: A pending concurrency status.
- PENDING_DEVICE: A pending device status.
- PROCESSING: A processing status.
- SCHEDULING: A scheduling status.
- PREPARING: A preparing status.
- RUNNING: A running status.
- COMPLETED: A completed status.
- STOPPING: A stopping status.

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

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: The built-in fuzz type.

- BUILTIN_EXPLORER: For Android, an app explorer that will traverse an Android app, interacting with it and capturing screenshots at the same time.
- APPIUM_JAVA_JUNIT: The Appium Java JUnit type.
- APPIUM_JAVA_TESTNG: The Appium Java TestNG type.
- APPIUM_PYTHON: The Appium Python type.
- APPIUM_WEB_JAVA_JUNIT: The Appium Java JUnit type for Web apps.
- APPIUM_WEB_JAVA_TESTNG: The Appium Java TestNG type for Web apps.
- APPIUM_WEB_PYTHON: The Appium Python type for Web apps.
- CALABASH: The Calabash type.
- INSTRUMENTATION: The Instrumentation type.
- UIAUTOMATION: The uiautomation type.
- UIAUTOMATOR: The uiautomator type.
- XCTEST: The XCode test type.
- XCTEST_UI: The XCode UI test type.

Type: String

Valid Values: `BUILTIN_FUZZ` | `BUILTIN_EXPLORER` | `APPIUM_JAVA_JUNIT` | `APPIUM_JAVA_TESTNG` | `APPIUM_PYTHON` | `APPIUM_WEB_JAVA_JUNIT` | `APPIUM_WEB_JAVA_TESTNG` | `APPIUM_WEB_PYTHON` | `CALABASH` | `INSTRUMENTATION` | `UIAUTOMATION` | `UIAUTOMATOR` | `XCTEST` | `XCTEST_UI`

Required: No

Sample

Represents a sample of performance data.

Contents

arn

The sample's ARN.

Type: String

Length Constraints: Minimum length of 32.

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 pre-signed Amazon S3 URL that can be used with a corresponding GET request to download the sample's file.

Type: String

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

Required: No

ScheduleRunConfiguration

Represents the settings for a run. Includes things like location, radio states, auxiliary apps, and network profiles.

Contents

auxiliaryApps

A list of auxiliary apps for the run.

Type: array of Strings

Length Constraints: Minimum length of 32.

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`.

Type: String

Valid Values: `METERED | UNMETERED`

Required: No

extraDataPackageArn

The ARN of the extra data for the run. The extra data is a .zip file that AWS Device Farm will extract to external data for Android or the app's sandbox for iOS.

Type: String

Length Constraints: Minimum length of 32.

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 (p. 119) object

Required: No

networkProfileArn

Reserved for internal use.

Type: String

Length Constraints: Minimum length of 32.

Required: No

radios

Information about the radio states for the run.

Type: Radios (p. 127) object

Required: No

ScheduleRunTest

Represents additional test settings.

Contents

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.

Type: String to String map

Required: No

testPackageArn

The ARN of the uploaded test that will be run.

Type: String

Length Constraints: Minimum length of 32.

Required: No

type

The test's type.

Must be one of the following values:

- BUILTIN_FUZZ: The built-in fuzz type.
- BUILTIN_EXPLORER: For Android, an app explorer that will traverse an Android app, interacting with it and capturing screenshots at the same time.
- APPIUM_JAVA_JUNIT: The Appium Java JUnit type.
- APPIUM_JAVA_TESTNG: The Appium Java TestNG type.
- APPIUM_PYTHON: The Appium Python type.
- APPIUM_WEB_JAVA_JUNIT: The Appium Java JUnit type for Web apps.
- APPIUM_WEB_JAVA_TESTNG: The Appium Java TestNG type for Web apps.
- APPIUM_WEB_PYTHON: The Appium Python type for Web apps.
- CALABASH: The Calabash type.
- INSTRUMENTATION: The Instrumentation type.
- UIAUTOMATION: The uiautomation type.
- UIAUTOMATOR: The uiautomator type.
- XCTEST: The XCode test type.
- XCTEST_UI: The XCode UI test type.

Type: String

Valid Values: `BUILTIN_FUZZ` | `BUILTIN_EXPLORER` | `APPIUM_JAVA_JUNIT` | `APPIUM_JAVA_TESTNG` | `APPIUM_PYTHON` | `APPIUM_WEB_JAVA_JUNIT` | `APPIUM_WEB_JAVA_TESTNG` | `APPIUM_WEB_PYTHON` | `CALABASH` | `INSTRUMENTATION` | `UIAUTOMATION` | `UIAUTOMATOR` | `XCTEST` | `XCTEST_UI`

Required: Yes

Suite

Represents a collection of one or more tests.

Contents

arn

The suite's ARN.

Type: String

Length Constraints: Minimum length of 32.

Required: No

counters

The suite's result counters.

Type: Counters (p. 107) 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 (p. 112) 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: A pending condition.
- PASSED: A passing condition.
- WARNED: A warning condition.
- FAILED: A failed condition.
- SKIPPED: A skipped condition.
- ERRORED: An error condition.
- STOPPED: A stopped condition.

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: A pending status.
- PENDING_CONCURRENCY: A pending concurrency status.
- PENDING_DEVICE: A pending device status.
- PROCESSING: A processing status.
- SCHEDULING: A scheduling status.
- PREPARING: A preparing status.
- RUNNING: A running status.
- COMPLETED: A completed status.
- STOPPING: A stopping status.

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: The built-in fuzz type.
- BUILTIN_EXPLORER: For Android, an app explorer that will traverse an Android app, interacting with it and capturing screenshots at the same time.
- APPIUM_JAVA_JUNIT: The Appium Java JUnit type.
- APPIUM_JAVA_TESTNG: The Appium Java TestNG type.
- APPIUM_PYTHON: The Appium Python type.
- APPIUM_WEB_JAVA_JUNIT: The Appium Java JUnit type for Web apps.
- APPIUM_WEB_JAVA_TESTNG: The Appium Java TestNG type for Web apps.
- APPIUM_WEB_PYTHON: The Appium Python type for Web apps.
- CALABASH: The Calabash type.
- INSTRUMENTATION: The Instrumentation type.
- UIAUTOMATION: The uiautomation type.
- UIAUTOMATOR: The uiautomator type.
- XCTEST: The XCode test type.
- XCTEST_UI: The XCode UI test type.

Type: String

Valid Values: `BUILTIN_FUZZ | BUILTIN_EXPLORER | APPIUM_JAVA_JUNIT | APPIUM_JAVA_TESTNG | APPIUM_PYTHON | APPIUM_WEB_JAVA_JUNIT | APPIUM_WEB_JAVA_TESTNG | APPIUM_WEB_PYTHON | CALABASH | INSTRUMENTATION | UIAUTOMATION | UIAUTOMATOR | XCTEST | XCTEST_UI`

Required: No

Test

Represents a condition that is evaluated.

Contents

arn

The test's ARN.

Type: String

Length Constraints: Minimum length of 32.

Required: No

counters

The test's result counters.

Type: Counters (p. 107) 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 (p. 112) 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: A pending condition.
- PASSED: A passing condition.
- WARNED: A warning condition.
- FAILED: A failed condition.
- SKIPPED: A skipped condition.
- ERRORED: An error condition.
- STOPPED: A stopped condition.

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: A pending status.
- PENDING_CONCURRENCY: A pending concurrency status.
- PENDING_DEVICE: A pending device status.
- PROCESSING: A processing status.
- SCHEDULING: A scheduling status.
- PREPARING: A preparing status.
- RUNNING: A running status.
- COMPLETED: A completed status.
- STOPPING: A stopping status.

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: The built-in fuzz type.
- BUILTIN_EXPLORER: For Android, an app explorer that will traverse an Android app, interacting with it and capturing screenshots at the same time.
- APPIUM_JAVA_JUNIT: The Appium Java JUnit type.
- APPIUM_JAVA_TESTNG: The Appium Java TestNG type.
- APPIUM_PYTHON: The Appium Python type.
- APPIUM_WEB_JAVA_JUNIT: The Appium Java JUnit type for Web apps.
- APPIUM_WEB_JAVA_TESTNG: The Appium Java TestNG type for Web apps.
- APPIUM_WEB_PYTHON: The Appium Python type for Web apps.
- CALABASH: The Calabash type.
- INSTRUMENTATION: The Instrumentation type.
- UIAUTOMATION: The uiautomation type.
- UIAUTOMATOR: The uiautomator type.
- XCTEST: The XCode test type.
- XCTEST_UI: The XCode UI test type.

Type: String

Valid Values: `BUILTIN_FUZZ` | `BUILTIN_EXPLORER` | `APPIUM_JAVA_JUNIT` | `APPIUM_JAVA_TESTNG` | `APPIUM_PYTHON` | `APPIUM_WEB_JAVA_JUNIT` | `APPIUM_WEB_JAVA_TESTNG` | `APPIUM_WEB_PYTHON` | `CALABASH` | `INSTRUMENTATION` | `UIAUTOMATION` | `UIAUTOMATOR` | `XCTEST` | `XCTEST_UI`

Required: No

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 (p. 124) objects

Required: No

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.

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: A failed status.
- INITIALIZED: An initialized status.
- PROCESSING: A processing status.
- SUCCEEDED: A succeeded status.

Type: String

Valid Values: `INITIALIZED | PROCESSING | SUCCEEDED | FAILED`

Required: No

type

The upload's type.

Must be one of the following values:

- ANDROID_APP: An Android upload.
- IOS_APP: An iOS upload.
- WEB_APP: A web appliction upload.
- EXTERNAL_DATA: An external data upload.
- APPIUM_JAVA_JUNIT_TEST_PACKAGE: An Appium Java JUnit test package upload.
- APPIUM_JAVA_TESTNG_TEST_PACKAGE: An Appium Java TestNG test package upload.
- APPIUM_PYTHON_TEST_PACKAGE: An Appium Python test package upload.
- APPIUM_WEB_JAVA_JUNIT_TEST_PACKAGE: An Appium Java JUnit test package upload.
- APPIUM_WEB_JAVA_TESTNG_TEST_PACKAGE: An Appium Java TestNG test package upload.
- APPIUM_WEB_PYTHON_TEST_PACKAGE: An Appium Python test package upload.
- CALABASH_TEST_PACKAGE: A Calabash test package upload.
- INSTRUMENTATION_TEST_PACKAGE: An instrumentation upload.
- UIAUTOMATION_TEST_PACKAGE: A uiautomation test package upload.
- UIAUTOMATOR_TEST_PACKAGE: A uiautomator test package upload.
- XCTEST_TEST_PACKAGE: An XCode test package upload.
- XCTEST_UI_TEST_PACKAGE: An XCode UI test package upload.

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_WEB_JAVA_JUNIT_TEST_PACKAGE | APPIUM_WEB_JAVA_TESTNG_TEST_PACKAGE | APPIUM_WEB_PYTHON_TEST_PACKAGE | CALABASH_TEST_PACKAGE | INSTRUMENTATION_TEST_PACKAGE | UIAUTOMATION_TEST_PACKAGE | UIAUTOMATOR_TEST_PACKAGE | XCTEST_TEST_PACKAGE | XCTEST_UI_TEST_PACKAGE`

Required: No

url

The pre-signed Amazon S3 URL that was used to store a file through a corresponding PUT request.

Type: String

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

Required: No

Common Parameters

The following table lists the parameters that all actions use for signing Signature Version 4 requests. Any action-specific parameters are listed in the topic for that action. To view sample requests, see Examples of Signed Signature Version 4 Requests or Signature Version 4 Test Suite in the *Amazon Web Services General Reference*.

Action
    The action to be performed.

    Type: string

    Required: Yes

Version
    The API version that the request is written for, expressed in the format YYYY-MM-DD.

    Type: string

    Required: Yes

X-Amz-Algorithm
    The hash algorithm that you used to create the request signature.

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

    Type: string

    Valid Values: `AWS4-HMAC-SHA256`

    Required: Conditional

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

    For more information, see Task 2: Create a String to Sign for Signature Version 4 in the *Amazon Web Services General Reference*.

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

    Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'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 Handling Dates in Signature Version 4 in the *Amazon Web Services General Reference*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service. For a list of services that support AWS Security Token Service, go to Using Temporary Security Credentials to Access AWS in *Using Temporary Security Credentials*.

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Task 1: Create a Canonical Request For Signature Version 4 in the *Amazon Web Services General Reference*.

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

Type: string

Required: Conditional

Common Errors

This section lists the common errors that all actions return. Any action-specific errors are listed in the topic for the action.

IncompleteSignature
 The request signature does not conform to AWS standards.

 HTTP Status Code: 400

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

 HTTP Status Code: 500

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

 HTTP Status Code: 400

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

 HTTP Status Code: 403

InvalidParameterCombination
 Parameters that must not be used together were used together.

 HTTP Status Code: 400

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

 HTTP Status Code: 400

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

 HTTP Status Code: 400

MalformedQueryString
 The query string contains a syntax error.

 HTTP Status Code: 404

MissingAction
 The request is missing an action or a required parameter.

 HTTP Status Code: 400

MissingAuthenticationToken

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

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

OptInRequired

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

HTTP Status Code: 403

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

Throttling

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

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

HTTP Status Code: 400