# Run Test on AWS device farm

1. Following the step below to package the ipa file. (The app file should be the one in build folder instead of the project folder.)



2. Choosing the ipa file to upload.

3. Select the device you need to test. (If there are incompatible problem you can create your own device pool and choose the compatible device.)

| | 1 | Choose application |
| 2 | Configure |
| 3 | Select devices |
| 4 | Specify device state |
| 5 | Review and start run |

### ✔ Select devices

Select from one of the available device pools or create a new device pool.

**Device pool** | mini3test ▾ | Edit device pool | Create a new device pool

> ❶ **100% Compatibility**
> Your app is compatible with **4 out of 4** devices in the selected pool.

| | Device | OS | Reason | Status |
|---|---|---|---|---|
| ✔ | Apple iPhone 11 Pro | 13.1.3 | | HIGHLY_AVAILABLE |
| ✔ | Apple iPhone XR | 12.4.1 | | HIGHLY_AVAILABLE |
| ✔ | Apple iPhone 11 | 13.1.3 | | HIGHLY_AVAILABLE |
| ✔ | Apple iPhone 11 Pro Max | 13.1.3 | | HIGHLY_AVAILABLE |

Cancel | Previous | Next step

4. Configure the test setting.

| 1 | Choose application |
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### ✔ Configure your test

**Setup test framework**
Select the test type you would like to use. If you do not have any scripts, select *Built-in: Fuzz* and we will fuzz test or explore your app.

**Test** | Built-in: Fuzz ▾

> ❶ **Test parameter notice**
> Seed and event count parameters are used for iOS 10 and above. iOS 9 will ignore these parameters.

*No tests? No problem. We'll fuzz test your app with no scripts required.*

**Event count** | 700 | ❶

**Randomizer seed** | | ❶

▶ **Advanced Configuration (optional)**
*Change default selection for enabling video and data capture - default "on"*

Cancel | Previous | Next step

5. Specify the device state

**Specify device state**

Specify settings to simulate real-world scenarios and device configurations.

**Add extra data**

[⬆ Upload]  Or drop your file here   ⓘ

**Install other apps**

[⬆ Upload]  Or drop your file here   or   [Select a recent upload ⌄]   ⓘ

**Device location** ⓘ

| 47.6204 | -122.3491 |

**Paths to your files on the host machine and device** ⓘ

**Host Machine** ⓘ

$WORKING_DIRECTORY

**iOS** ⓘ

**Device locale** ⓘ

[English, US (en_US) ⌄]

## 6.  Review and start run



**Review and start run**

Review your run below. Look good? Confirm to start your run. Interested in unlimited, unmetered testing? Learn more ⌄

### Execution timeout

Limit the maximum number of device minutes that your run can use by setting a timeout on each device. If execution exceeds your timeout, execution on that device will be forcibly stopped. Partial results will be available if possible.

|  5 ⇕  | ✕ | **4** | = | **20** |
| MAXIMUM MINUTES PER DEVICE | | DEVICES | | MAXIMUM DEVICE MINUTES FOR THIS RUN |

5m                    77m                    150m

You should choose a value that is greater than the anticipated duration of your tests. For example, if your tests take 20 minutes to complete you should choose a timeout of 30 minutes. Need to run tests longer than 150 minutes? Please contact us.

### Application                                    Edit

**Name** mini3_1.1.ipa

## 7. Waiting for the test



## 8. Get the result



We can in some situation the app does not pass the test and we get the error from the log.

| Device | 00:03.507 | 67 | Notice | 9905949245 lockdownd | spawn_xpc_service_block_invoke: <private> |
|--------|-----------|-----|--------|----------------------|-------------------------------------------|
| Device | 00:03.507 | 67 | Notice | 9905949245 lockdownd | spawn_xpc_service_block_invoke: <private> |
| Device | 00:03.507 | 544 | Notice | 9905949245 ScreenShot… | Initializing connection |
| Device | 00:03.507 | 544 | Notice | 9905949245 ScreenShot… | Removing all cached process handles |
| Device | 00:03.507 | 544 | Notice | 9905949245 ScreenShot… | Sending handshake request attempt #1 to server |
| Device | 00:03.507 | 544 | Notice | 9905949245 ScreenShot… | Creating connection to com.apple.runningboard |
| Device | 00:03.507 | 26 | Notice | 9905949245 runningboa… | Incoming connection from 544, user 0 |
| Device | 00:03.507 | 55 | Error | 9905949245 SpringBoar… | Unable to obtain a task name port right for pid 544: (os/kern) failure (0x5) |
| Device | 00:03.507 | 26 | Notice | 9905949245 runningboa… | _resolveProcessWithIdentifier sysctl pid 544 is euid 0 |
| Device | 00:03.507 | 26 | Error | 9905949245 runningboa… | No EUID found for _resolveProcessWithIdentifier request on 544 |
| Device | 00:03.507 | 26 | Notice | 9905949245 runningboa… | Unable to obtain process properties from launchd for pid=544 |
| Device | 00:03.507 | 26 | Notice | 9905949245 runningboa… | Resolved pid 544 to [executable<ScreenShotr>:544] |
| Device | 00:03.507 | 26 | Notice | 9905949245 runningboa… | [executable<ScreenShotr>:544] This process will not be managed. |
| Device | 00:03.507 | 26 | Notice | 9905949245 runningboa… | Now tracking process: [executable<ScreenShotr>:544] |
| Device | 00:03.507 | 26 | Notice | 9905949245 runningboa… | Received handshake request from 544 with 0 assertion descriptors |

And we can also see the video of the test and find out what happened during the test.