

# 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.)

### How to build IPA file without Apple Developer account

Step by step

Step 1: Switch to Generic iOS device & Build

Step 2: Go to Finder search "project name" and copy Folder with "Disabled icon"

Step 3: Make new folder call "Payload" & copy previous folder into it

Step 4: Compress "Payload" folder to get "Payload.zip"

Step 5: Rename Payload.zip to ProjectName.ipa. Done!

2. Choosing the ipa file to upload.

## Create a new run

1 Choose application

2 Configure

3 Select devices

4 Specify device state

5 Review and start run

✓ Choose your application

mini3\_1.1.ipa

Package Jack-Hu.mini3-1-1

Minimum ARM 6

Minimum OS Version 12.4

Run name ⓘ

mini3\_1.1.ipa

Cancel

Next step

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

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

2 Configure

3 Select devices

4 Specify device state

5 Review and start run

✓ 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

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

Randomizer seed

Advanced Configuration (optional)

Change default selection for enabling video and data capture - default "on"

Cancel Previous Next step

5. Specify the device state

1 Choose application

2 Configure

3 Select devices

4 Specify device state

5 Review and start run

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

1 Choose application

2 Configure

3 Select devices

4 Specify device state

5 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

MAXIMUM MINUTES PER DEVICE

×

4

DEVICES

=

20

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



Automated tests

Remote access


Project settings

Automated runs allow you to execute built-in tests or your own scripts on one or more devices in parallel, generating a comprehensive report that includes high-level results, logs, screenshots, and performance data.

+ Create a new run

Run	Test results	Test Type	Created	Total minutes
  mini3_1.1.ipa		Built-In: Fuzz	2019-12-13T19:26-0500	

## 8. Get the result

 mini3\_1.1.ipa

Scheduled at: Dec 13, 2019 7:26:04 PM

4 STOPPED

8 PASSED













Repeat run

Devices

Screenshots

Parsing result

Devices

Device	OS	Test results	Total minutes ...
<input type="text"/>	<input type="text"/>		
 Apple iPhone 11	13.1.3	 	00:10:18
 Apple iPhone 11 Pro	13.1.3	 	00:10:46
 Apple iPhone 11 Pro Max	13.1.3	 	00:09:35
 Apple iPhone XR	12.4.1	 	00:09:45

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<ScreenShot>:544]
Device	00:03.507	26	Notice	9905949245 runningboa...	[executable<ScreenShot>:544] This process will not be managed.
Device	00:03.507	26	Notice	9905949245 runningboa...	Now tracking process: [executable<ScreenShot>: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.

Video

[Download video](#)

