

Device farm

What is AWS Device Farm?

AWS Device Farm is an application testing service that allows you to test and interact with your Android, iOS, and web apps on real, physical phones and tablets hosted by Amazon Web Services (AWS).

Key Features:

Automated Testing: Test your apps using a variety of testing frameworks, or use built-in, script-free compatibility tests.

Remote Access: Interact with devices in real-time, directly from your web browser, to test and debug your apps.

Benefits:

- **Test on Real Devices:** Use the same devices your customers use to ensure compatibility and identify issues.
- **Faster Testing:** Run tests in parallel on multiple devices to speed up your test suite.
- **Detailed Reports:** Get high-level results, low-level logs, pixel-to-pixel screenshots, and performance data to help you identify and fix issues.

How it Works:

- **Create a Project:** Set up a logical workspace to organize your tests and devices.
- **Select Devices:** Choose from a large collection of physical devices, including Android and iOS devices.
- **Upload Your App:** Load your app onto the selected devices.

- Run Tests: Start automated testing or interact with devices in real-time using remote access.
- View Reports: Get detailed reports on test results, including logs, screenshots, and performance data.

Terminology:

- Device Pool: A collection of devices with similar characteristics, such as platform, manufacturer, or model.
- Job: A request to test a single app against a single device.
- Metering: Refers to billing for devices, which can be metered or unmetered.
- Project: A logical workspace that contains runs, one run for each test of a single app against one or more devices.
- Report: Contains information about a run, including test results, logs, and screenshots.