



Introduction to AWS Device Farm

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Challenges with App testing



Fragmentation



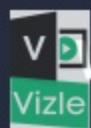
Device Lab cost and scale



Device connectivity
and maintenance



Reports and
artifacts



What is AWS Device Farm?



AWS Device Farm is an application testing service that lets you improve the quality of your web and mobile apps by testing them across an extensive range of desktop browsers and **real** mobile devices; without having to provision and manage any testing infrastructure.

Vizle

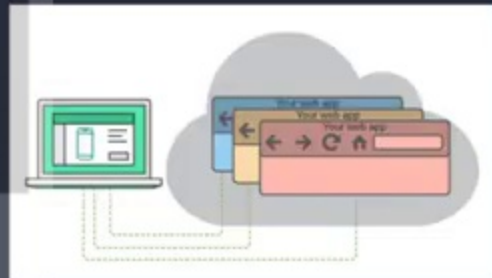
Vizle Features – Overview



Automated Testing



Remote Access



Desktop Browser Testing

Vizle Features – Automated Testing

1

Scale

Run multiple test sessions in parallel

Run on multiple devices in parallel

Run on multiple OS versions

2

Infrastructure

Fully managed service

Server-side execution

Breadth of devices types

3

Test Frameworks

Popular & built-in test frameworks

Video, logs, and screenshots

Performance and network data

4

Customization

Customize device and host

Emulate network conditions

Mock location

5

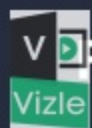
Integrations

Integrate with any CI/CD system

Jenkins and Gradle plugins

AWS CLI/SDK

Security controls across all layers protecting customer data



Features – Remote Access

1

Scale

Run multiple sessions in parallel

Run on multiple devices in parallel

Run on multiple OS versions

2

Real world interactions

UI interactions on real devices

Test native, hybrid, and web apps

Represents end user experience

3

Reproduce bugs faster

On-demand access to devices

Video, Logs, and Network trace

Change device setting/orientation

Security controls across all layers protecting customer data



Device Offerings

Feature	Public Devices (Shared)	Private Devices (Dedicated)
Clean up data / Reboot after test	Yes	Yes - configurable
Multiple instances of devices	Yes	Yes – customer purchases
Large pool of available devices	Yes	Only limited by devices purchased
Device OS versions	Multiple versions readily supported	Customer requests versions/updates
Private endpoint connectivity	Yes, with static IP range	Static IP range, VPC, or VPN client
Pricing	<ol style="list-style-type: none"> 1. Pay-as-you-go: \$0.17/min 2. Unlimited testing: \$250/month 	Ranges between \$200 - \$500 per month per device (flat price includes unlimited usage and more)
Commitment / Contract	No	Yes
Locations	Devices located in AWS us-west-2 region	Devices located in AWS us-west-2 region
Devices supported	https://awsdevicefarm.info/	Contact us



Architecture Flow – Mobile

EC2 Linux (Android) / Mac (iOS) managed by Device Farm



Your App



Popular Test Frameworks

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