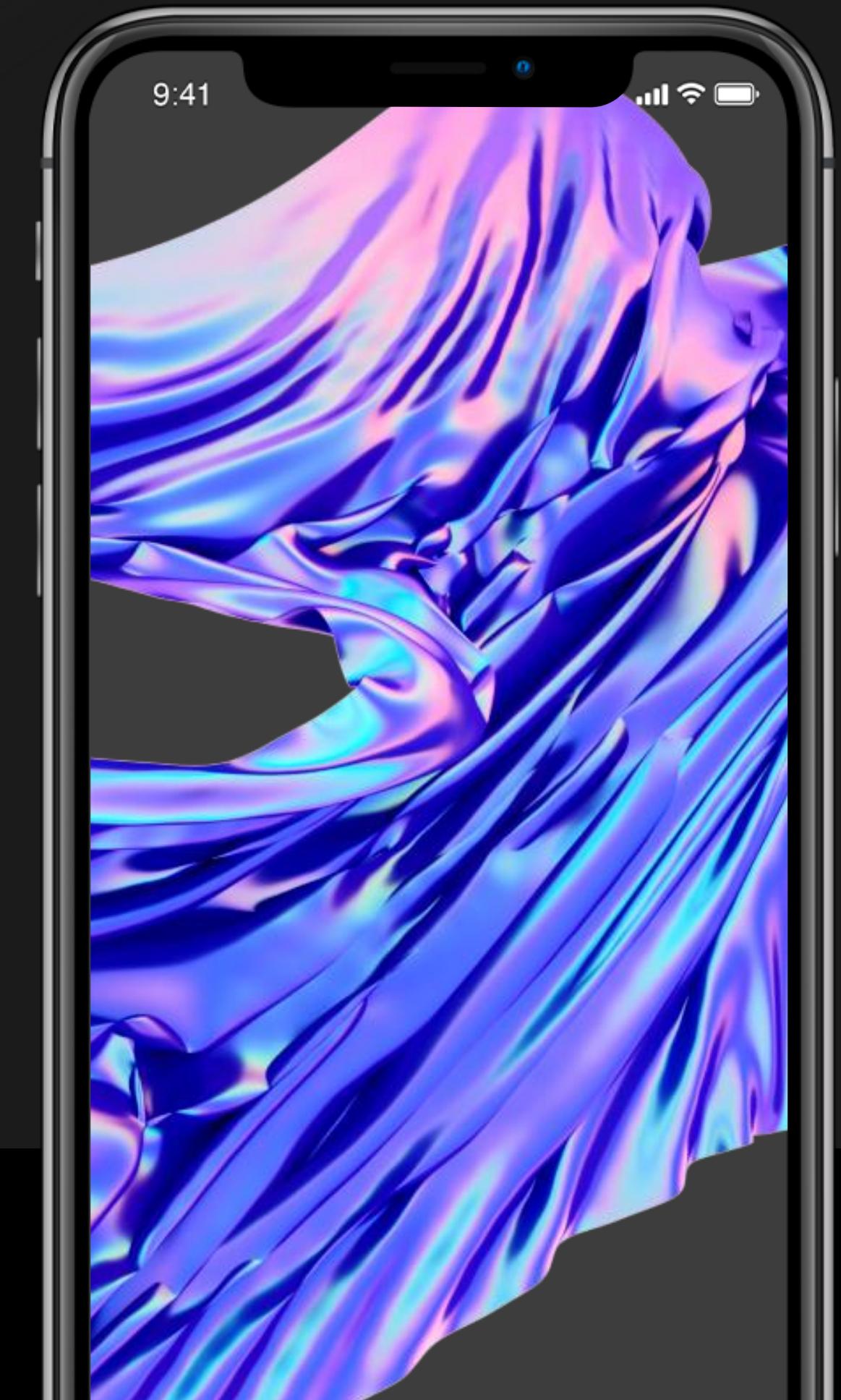


Appium Automation

For Mobile Testing

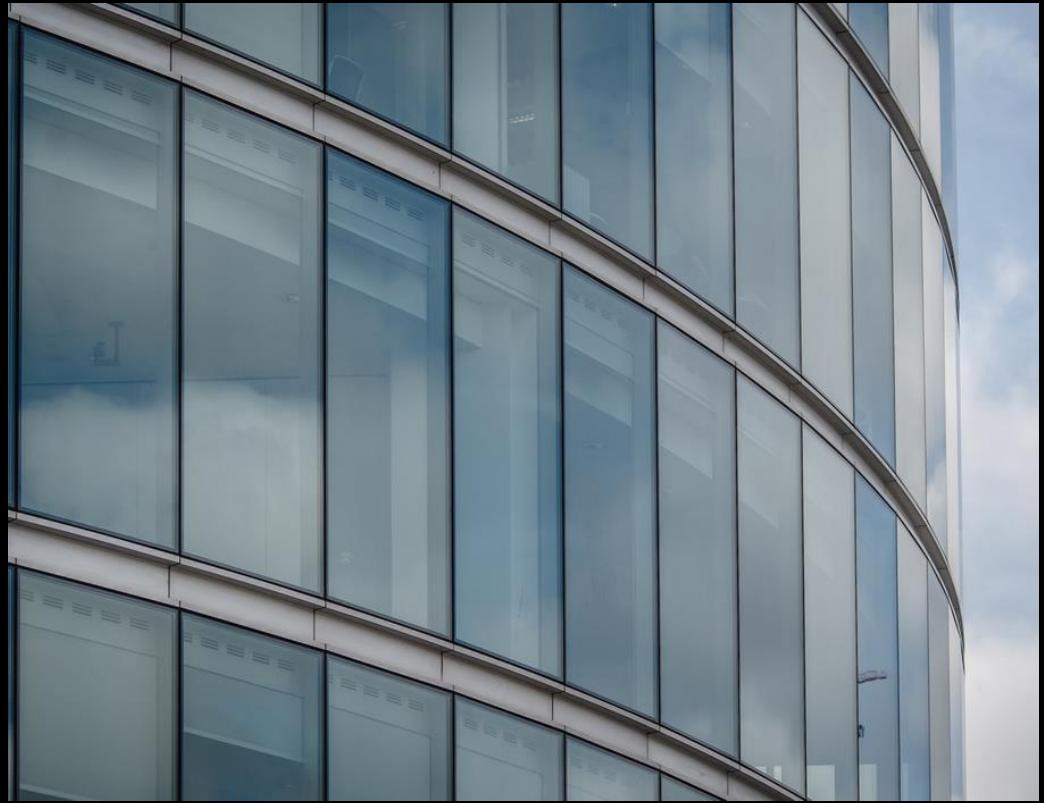


Agenda

TOPICS COVERED

- 01 • [Automated Mobile Testing](#)
- 02 • [Why Automation?](#)
- 03 • [What is Appium & Why Appium?](#)
- 04 • [Getting started with Appium?](#)
- 05 • [Live Demonstration](#)

Automated Mobile Testing



App Development

- Smartphone Apps have experienced explosive growth since 2007
- Mobile App are more reliable for Organizations
- Mobile Apps bringing half of their Web Traffic
- In some cases, mobile apps are the only way
- customers interact with their products.

Testing Approach?

- No Wonder, that Mobile Apps Development Process has become quick and efficient, which also have high priority for organizations.
- Fortunately, Mobile development tools are evolving to meet these needs, with modern dev teams.
- Development of Mobile Apps has become faster
- But, what about the Testing approaches??

Testing Mobile Applications is

- More complex
- Time consuming
- Platform Variations
- Quality Concerns

So, instead of Manual Mobile Testing process, we need **Automated Mobile Testing**.

Why Automation?



Various factors to adopt Mobile Automation

Efficient

Appium automates repetitive tasks, saving tester time and effort.

Faster

Appium tests can be run in parallel on multiple devices, speeding up test execution.

Reusable

Appium test scripts can be reused across different devices and platforms.

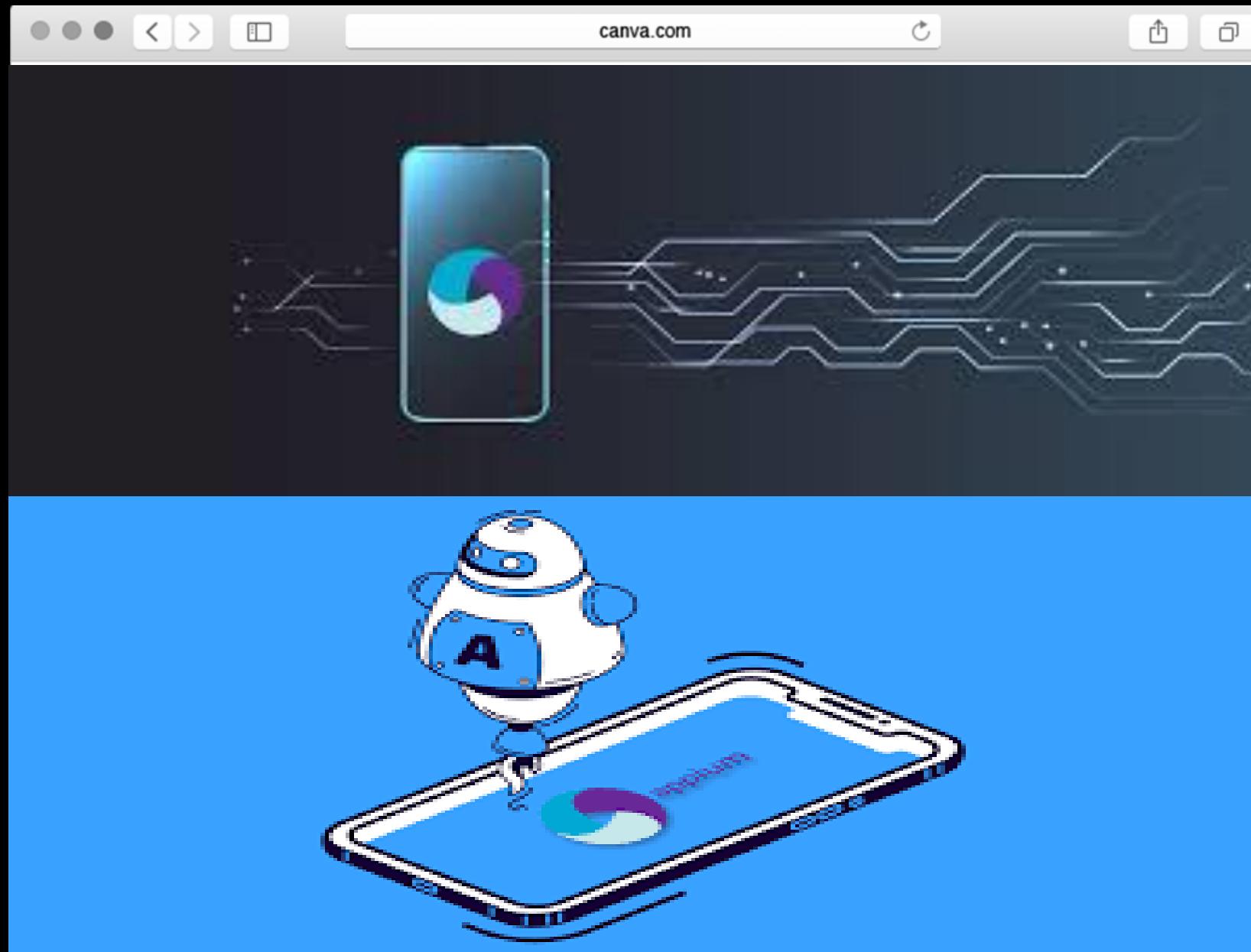
Reliable

Appium tests can be run consistently, reducing the risk of human error.

Affordable

Appium test scripts can be reused across different devices and platforms.

...



What is Appium? & Why Appium?

— Your key to unlocking efficient, reliable, and affordable mobile testing.



Open-source

Appium is an open-source test automation tool



Everything

Allows testing for all types of Mobile Applications:
Native Apps, Hybrid Apps and Mobile Web Apps



Everywhere

Most importantly, it is Cross-Platform

android

- Calabash Android
- MonkeyTalk
- Robotium
- UiAutomator
- selendroid



- Calabash-ios
- Frank
- UiAutomation
- IOS-driver
- KeepItFunctional



Appium is Cross Platform

That means it supports both Android & iOS



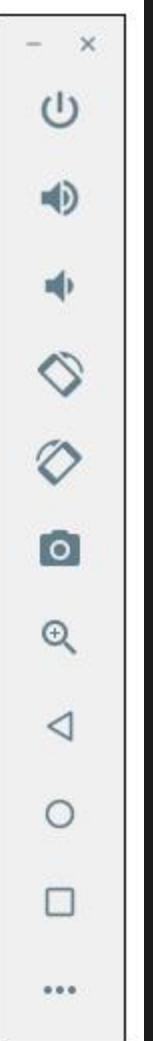
Language Support

Appium supports most of the Programming languages like java, ruby, php, C#, etc.

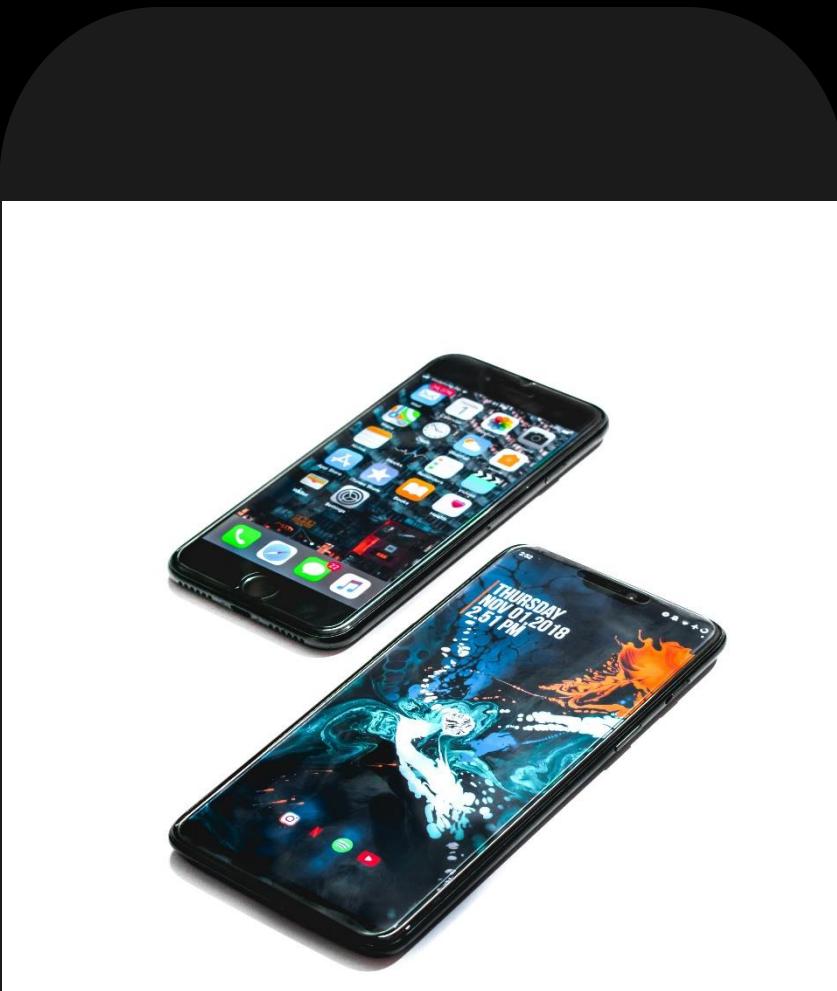


Simulators & Real Devices

Appium handles both, Simulators
and Real devices



Appium supports Automation for all Apps



Native Apps

Apps built specifically for either Android or IOS:

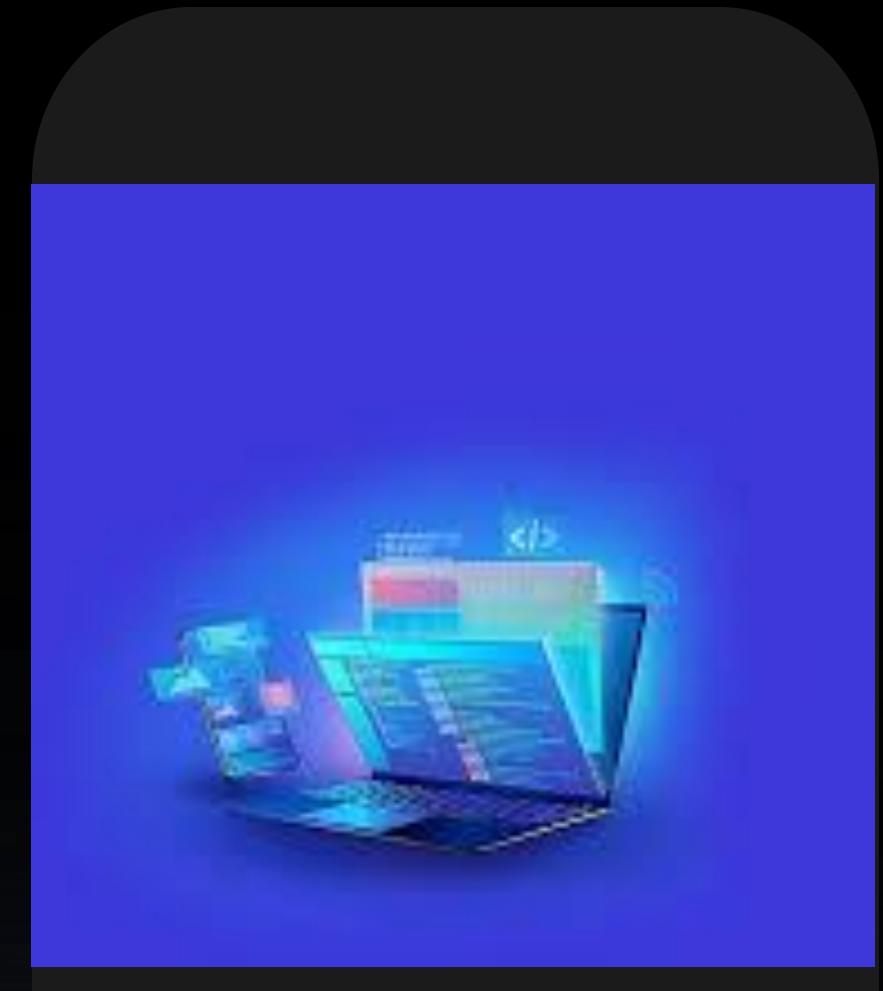
- Java/kotlin
- Swift/objective-C



Hybrid Apps

Apps built to run on both mobile platforms:

- Flutter
- React Native



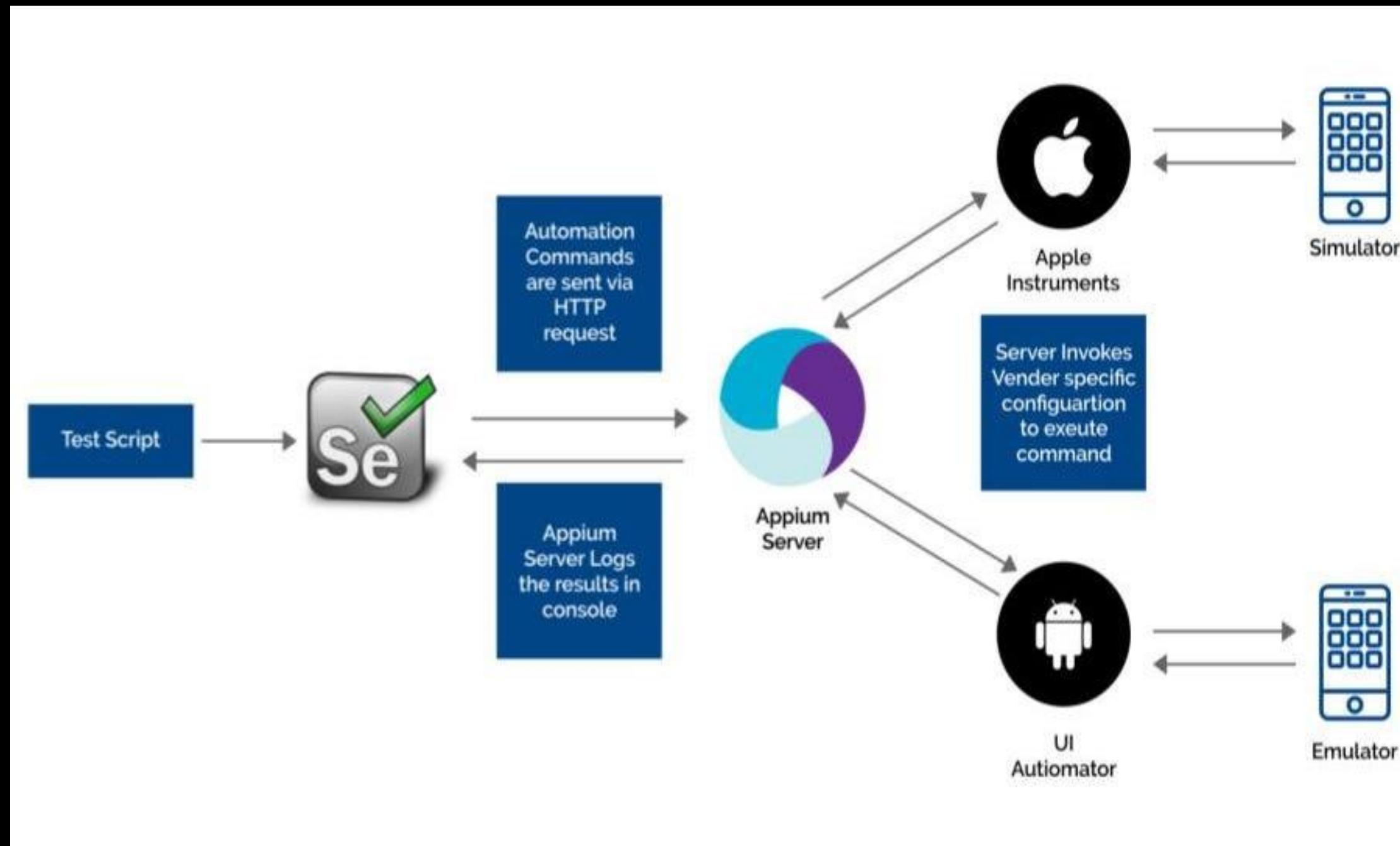
Web Apps

Apps built to run on browsers only:

- MERN
- MEAN
- Java stack

Appium is compatible with Selenium WebDriver

Appium leverages Selenium's WebDriver concepts but extends them to automate native, web, and hybrid mobile apps.



Getting started with Appium



Tester

Lorem ipsum dolor sit amet, consectetur
adipiscing elit, sed do eiusmod tempor
incididunt ut labore et dolore magna aliqua.

Prerequisites

In order to get code for Appium, there are some pre-requisites we must have.

- JDK (Java Development kit)
- IDE – IntelliJ IDEA or Eclipse
- Android SDK
- Selenium WebDriver JAR
- Appium
- APK App Info from Play Store

Thank you!

Now, you will see the installation manual and live demo of
how Appium interacts with applications on phone.