CHEAT SHEET (Quick Reference)

Appium Capabilities

Your go-to guide for configuring mobile automation with Appium

01

What Are Appium Capabilities?

Appium capabilities are key-value pairs that define how your test session behaves - like which platform to test on, what app to launch, and which automation engine to use.

Let's break it down 👉

02

General Capabilities

◆ General Capabilities

Capability	Description	Example
platformName	OS platform	"Android" / "iOS"
platformVersion	OS version	"16"
deviceName	Emulator or real device name	"Pixel_9"
automationName	Automation engine	"UiAutomator2" / "XCUITest"
app	Path or URL to your app	"./apps/app-debug.apk"
appPackage	Android package name	"com.example.myapp"
appActivity	Android launchable activity	".MainActivity"

swipe ▶

03

iOS-Specific Capabilities

iOS-Specific Capabilities

Capability	Description
xcodeOrgId	Team ID for signing
xcodeSigningId	Usually "iPhone Developer"
useNewWDA	Forces reinstall of WebDriverAgent
updatedWDABundleId	App ID for rebuilding WDA
wdaStartupRetries	Retry attempts if WDA fails to start

04

Advanced Capabilities

⚙ Advanced / Optional Capabilities

Capability	Description
noReset	Don't reset app state between sessions
fullReset	Uninstall app before each test
autoGrantPermissions	Auto-approve app permissions (Android)
newCommandTimeout	Timeout for waiting between commands

05

Pro Tip: Mix only what you need!

Overloading capabilities can lead to flaky setups. Start simple. Expand as needed.

✅ Want my book preview or sample tests?
🔗 *github.com/lana-20/appium_automation_python*
🔗 *medium.com/@begunova/list/appium-mobile-software-automation-b572187fa66f*

💬 Fork, comment, or message me your questions!

#TestAutomation #AppiumWithPython #SDET #MobileSoftwareTesting