

Mobile vs. Backend DevOps

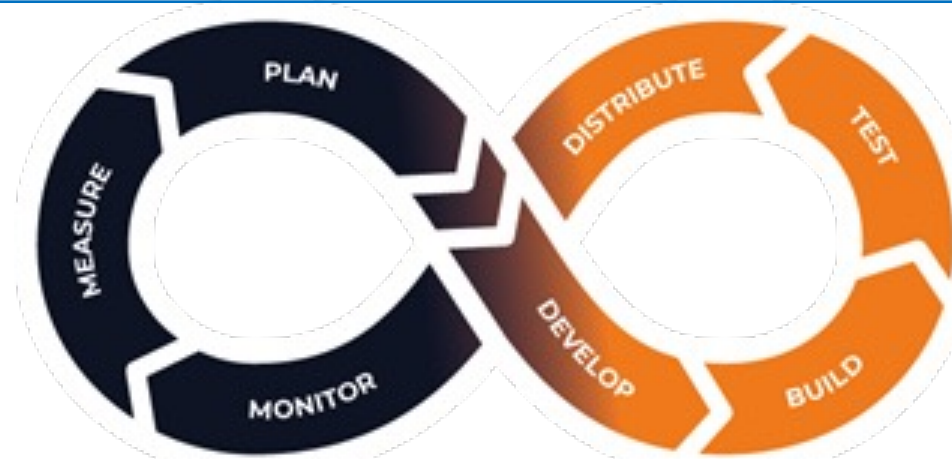
«5 Differences»

Mete Baydar

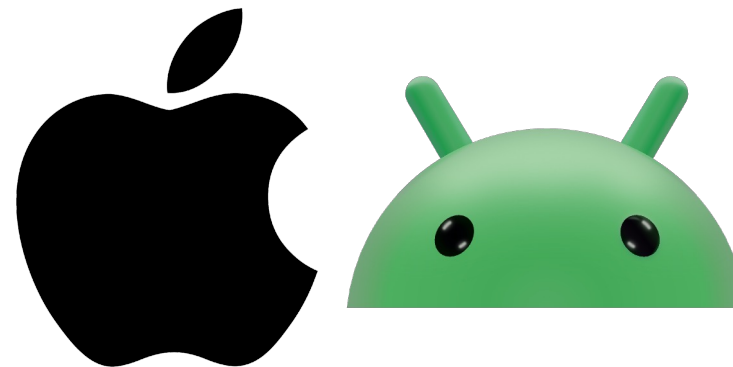
May 23, Folkestone

Backend DevOps vs Mobile DevOps

We all(!) know DevOps..



What about Mobile?



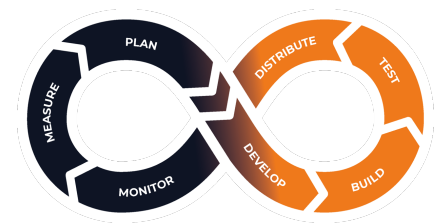
Backend vs Mobile CI/CD

Backend DevOps (Azure Devops, Jenkins..)

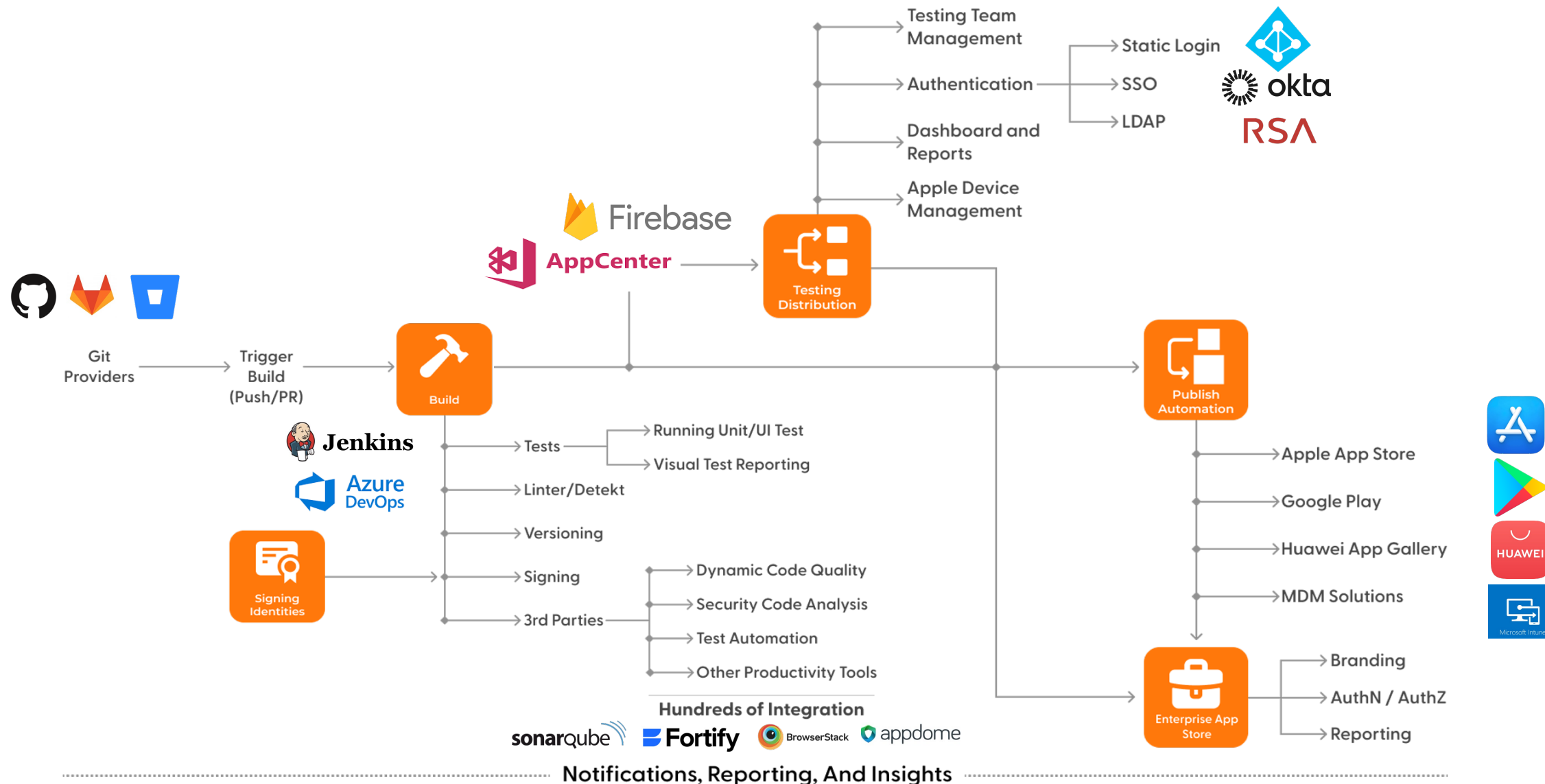
Mobile DevOps

Continuous Integration	Traditional and flexible CI approach.	•OS knowledge (iOS, Android) •Best practices •Mobile Specific Tools
Continuous Deployment	Directly to servers/platforms	Apps are submitted to app stores for review before release, even for testing purposes, which can take days.
Testing Distribution	Standard process with several distribution options	Mobile apps use binaries (APK/IPA) and need to be tested on various OS versions and different devices.
Code Signing Management	Simply publish on the web.	They need to be renewed, kept secure.
Hotfix Deployment	A faulty version can be patched.	It is not possible* due to the controlled ways of compiled binary distribution
KPIs	Clear and Standart	Complex and individual.

Backend CI/CD platforms are incompatible with the nature of Mobile



Mobile DevOps Done Right with Automation



5 Main Differences Backend vs Mobile



1. Mobile app ecosystems:

Governed by strict rules set by OS providers, requiring modifications to traditional CI/CD approaches. Specific Coding, Deployment!

2. Specialized expertise:

Mobile CI/CD demands specific knowledge due to its unique requirements. DevOps Engineers w/Mobile Know – How!

3. Binary-based deployment:

Mobile CI/CD operates on compiled binaries, blocking instant deployments and increasing release times. No Patch or hotfix!

4. Deployment challenges:

Mobile apps face manual app reviews and release waiting periods, limiting frequent deployments. No Simultaneous Deployment!

5. Codesigning complexities:

Unlike other stacks, mobile projects require complex codesigning processes for iOS and Android. UDID, PP, Ad-Hoc, Enterprise...!



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