

• Executive Summary: POC on Mobile DevOps for Android Apps.

Process

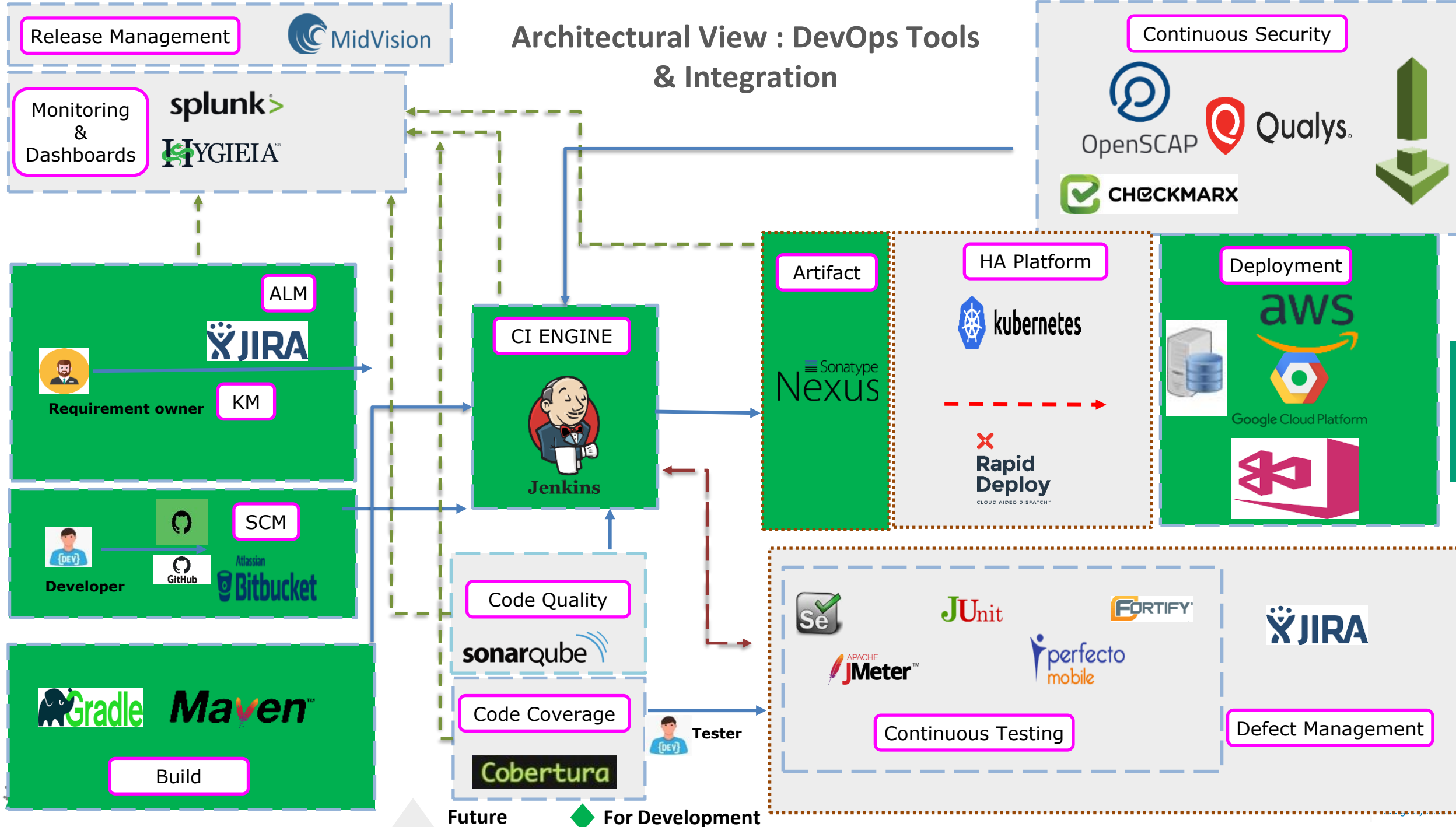
- To develop mobile pipeline for DevOps deployment of Android applications.
- Android application developed in android Studio, Developer will commit the code in Github repository.
- ALM, life cycle managed and maintained in by JIRA, it will record all builds in Jenkins and is linked to created stories.
- Once code committed in GIT a Jenkins job will be triggered for build. Jenkins is configured in HA mode.
- Gradle will process the Android build and provide the APK's to future and release branches.
- The artifacts will be stored in Nexus,
- MS app Center will do the deployment to respective release environments for PROD,QA and DEV and create dashboard reports.

Tools Integration

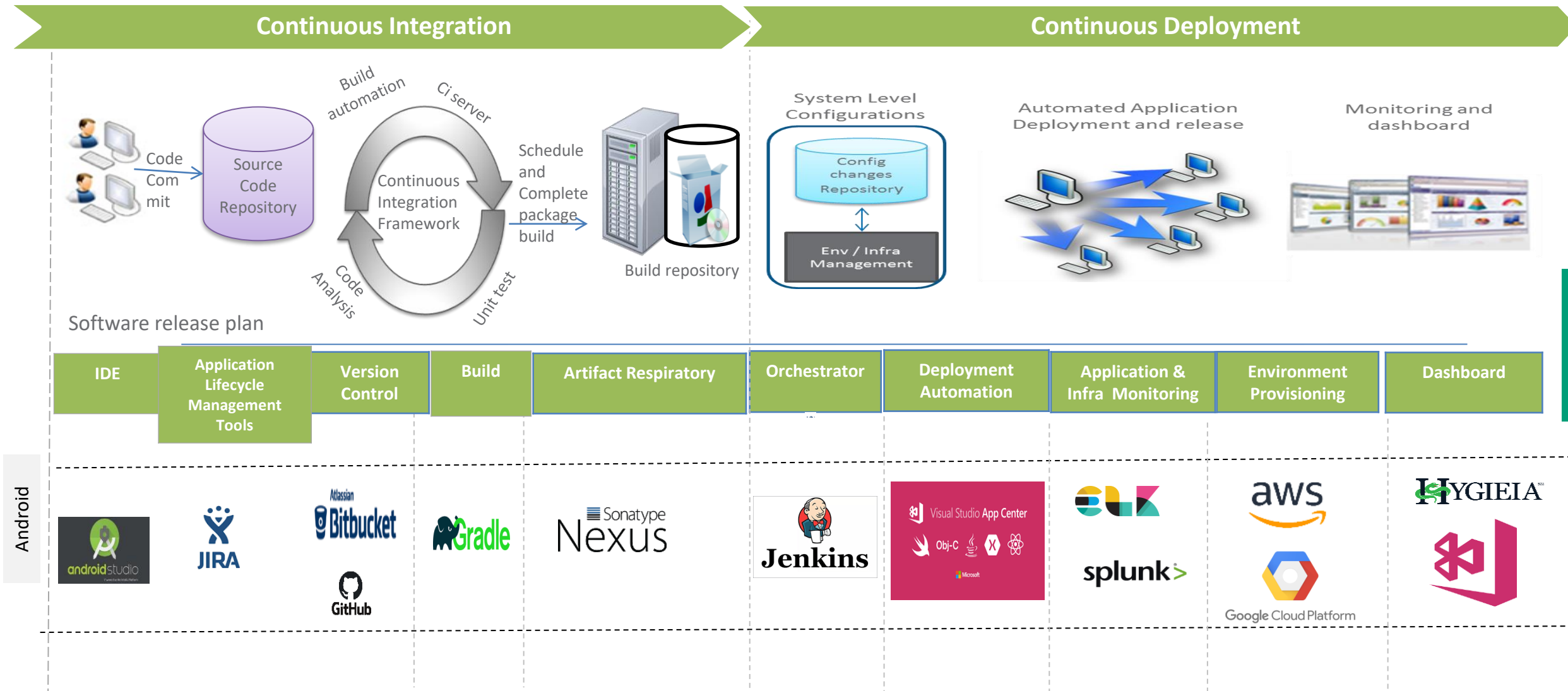
- Android studio integrated to GITHUB and Jira creation of build story
- GIBhub integrated with Jenkins plugins
- Gradle is integrated to Jenkins, Jenkins is configured for Master and Slave for HA in Cloud environment.
- CI/CD pipeline orchestrated by Jenkins. Integrated from GITHUB, AppCenter and NEXUS.
- MS App Center deploys the build successfully to various environments necessary plugins are configured.

Benefits from Mobility

- Better maintainability of mobile apps over cloud for frequent releases
- Secured platform for Developing app at lower cost
- Automated deployments and standardized environments support increasing code quality with automation
- Applications have made it easier for customers on business information with speed, easiness and at same time remain connected.
- Provides continuous High availability across releases, less time to market with recent updates in mobile platform.
- Improved visibility OTG and major reach for customers



Illustrative* CI/CD Pipeline View



Android