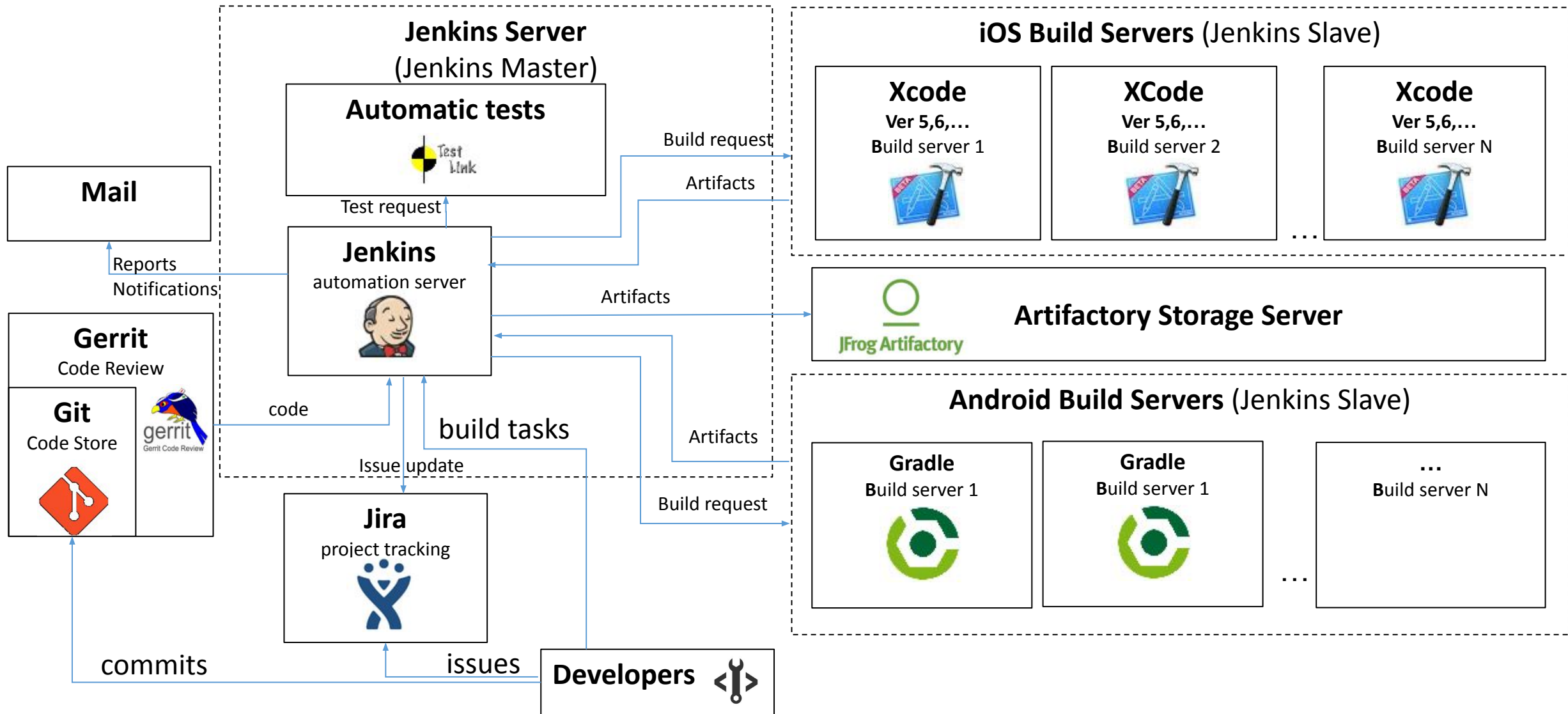




# Continuous Integration Proposal

# CI Architecture



# CI Software Components

Name	Version	Link	License	OS	Server
Jenkins	1.651	<a href="https://jenkins-ci.org/">https://jenkins-ci.org/</a>	<a href="#">MIT</a>	Linux	Jenkins
TestLink	1.9.14	<a href="https://testlink.org">testlink.org</a>	<a href="#">GNU</a>	Linux	Jenkins
Xcode	7	<a href="https://developer.apple.com/xcode/">https://developer.apple.com/xcode/</a>	Customer	OS X	iOS Build
Gradle	2.11	<a href="https://gradle.org">gradle.org</a>	<a href="#">Apache 2.0</a>	Linux	Android Build
JFrog Artifactory	4.5.2	<a href="https://www.jfrog.com/open-source/">https://www.jfrog.com/open-source/</a>	<a href="#">Commercial</a>	Linux	Artifactory
Jira			Customer	-	Customer Env
Mail			Customer	-	Customer Env
Gerrit + git			Customer	-	Customer Env

## Jenkins plugins

- Jenkins disk-usage
- conditional-buildstep
- Jenkins promoted builds
- Xcode integration
- Jenkins Multiple SCMs
- SSH Agent
- Jenkins Artifactory
- Keychains and Provisioning Profiles Management
- Environment Script
- Jenkins Mailer
- Ant
- Version Number

# CI Hardware (minimum recommended)

Name	CPU	Mem	HDD	OS
Jenkins	4	8GB	500 GB	Linux
iOS Build	4	8GB	500 GB	Linux
Android Build	4	8GB	500 GB	OS X
Artifactory	4	8GB	1TB	Linux
Jira				Customer
Gerrit + git				Customer

# Estimations

- **Setup and configuration of required services: 1MM**
  - Jenkins
  - iOS Build
  - Android Build
  - Artifactory
- **Integration of services: 1MM**
  - Jenkins plugins
  - Jenkins Slaves
  - Xcode
  - Git
  - Mail
  - Jira
  - TestLink
- **Integration of one Android and one iOS test projects: 1MM**
  - Create projects
  - Create Users
  - Create lib store
  - Create build tasks
  - Testing
- **Documentation and Training: 0,5MM**
- **Total Effort: 3,5 MM**