# Some Terminology used in the document.

**Dev Branch** is commonly known as private branch for developers. Developers can have their own dev branch to continue their dev work for their own purpose.

**Release Branch** is used for the branch which is specific for a release and release development work happens by multiple developers working on same release on one release branch.

# Project Branching

Trunk always contains live like code and should be only used for Prod bug fixing and considers as Maintenance branch.

Release branch owner (Developer) should merge the code from Trunk to their Release branch frequently to incorporate changes went as bug fixing. In case of any merge conflict, developers’ needs to talk to each other and fix it.

Some Guideline

Release branch should always cut from Trunk.

Every Ongoing release project should work on their respective branch.

Post Release merges from release branch to Trunk should be done by Developer.

Dev Branch (Private branch) can be cut from anywhere but preferable Trunk and frequent merge should happen from Trunk/rel.

Owner :- Team Lead/Project lead is responsible for managing Release branch, which include creation of branch keeping eye on merging and guiding team.

SCM will be available for help; Developers can seek assistance from SCM to complete the task.

# Main/Prod Branching

This branch is strictly for the use of Production release. This branch should not contain any code but have the correct directory structure of all projects/repositories with their pom file.

Developer should update the artifact version in pom.xml for deployment.

Deployment to integration and Prod would happen from this branch.

# Build Script

Each Project should have top level build script which should call the subsequent script if necessary.

Project directory structure should look as per maven standard. (Refer http://maven.apache.org/guides/introduction/introduction-to-the-standard-directorylayout.html for more information)

Third party jars should be pulled from Inmobi Maven repository instead of Internet.

If a jar does not exist in Repo then please ask SCM to make it available.

# Build

Developer needs to mavenize their repository/project first.

For creating new job in Hudson, Developer needs to open ticket to SCM with detail instruction including repo path, maven command, mailing list etc…

Developer needs to keep eye on their build and proactively work on any failed build.

Build needs to upload maven artifact to Maven repository.

# QA and Integration Environment

QA is individual environment for each project where QA will run functional and sanity test.

Integration Environment is the replica of Production Env. It is complete set of application which goes to production. That’s why this called as integration environment.

# Deployment

QA team will do deployment on Individual QA environment for each project by picking artifacts from maven.

SCM will maintain the Integration Environment and take care of Deployment.