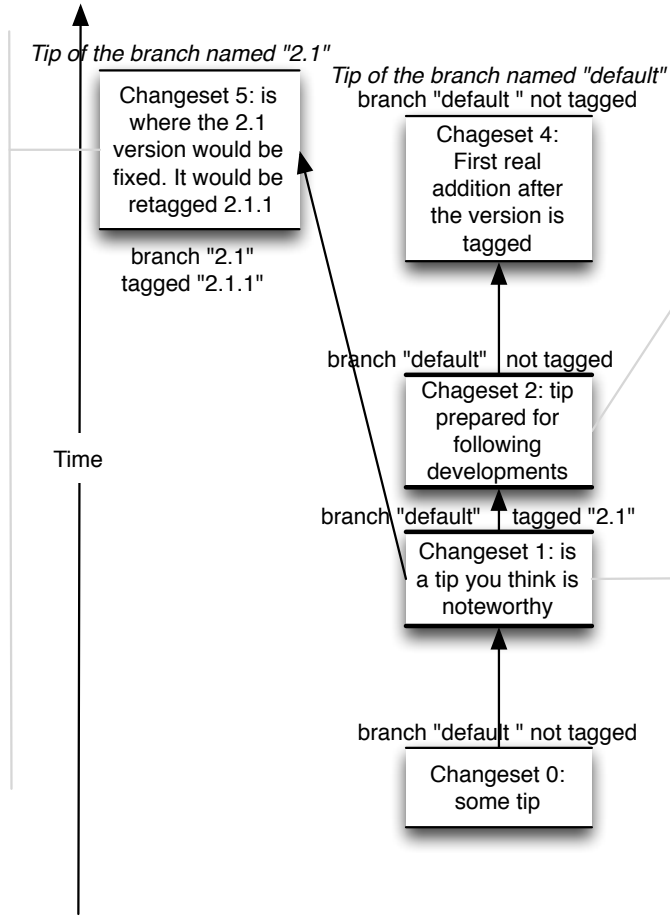
Process related to creating the release version of a Java module of EPICS V4, mercurial and maven commands

3) Iff an issue is discovered in 2.1, then:
hg clone -u 2.1
Fix any issues
mvn compile install
Test
If good:
hg branch 2.1
Edit pom.xml to set version to 2.1.1
hg tag 2.1.1
hg commit -m "2.1.1 fixes xxx"
hg push (creates changeset 5, tagged 2.1.1)

After push, Cloudbees will create http://epics.sourceforge.net/maven2/epics/<module>/2.1.1/ which will include <module>-2.1.1.jar.

Subsequent fixes made on this branch should similarly have changed pom.xml to reflect the incremented version, and be re hg tagged e.g. 2.1.2, recommit and repush. The pushes will be to the 2.1 branch.



2) Done immediately after step 1 below:
Edit pom.xml again,
change <version> to 2.2-SNAPSHOT,
and if module is above pvDataJava (the lowest antecedent) then also
reset versions of dependencies to their **new** maj.min-SNAPSHOT values.
hg commit pom.xml
hg push (creates changeset 3 in SF repo).

1) Create the module release tagged version:
Edit pom.xml file of the module to set <version> to 2.1.
If module is above pvDataJava, then set explicit version dependencies in pom.xml
hg commit pom.xml
hg tag 2.1
hg commit -m "v2.1"
hg push (creates changeset 1, tagged 2.1, in SF repo)

After the push, Cloudbees will create http://epics.sourceforge.net/maven2/epics/<module>/2.1/ which will include <module>-2.1.jar.

Changeset 0 is the changeset directly before the changeset you want to "be" your release. Changeset 1 is the one you want to be your release. Only creating changesets 1 and 2 comprise the process of a "release". If the release needs a fix, the branch will be created (at the time of the fix implementation), subsequent fixes to that version will be on that branch also.

Steps 1. and 2. can be done in one step using the "Maven Release Plugin" (http://maven.apache.org/maven-release/maven-release-plugin/index.html)