

# Creating Releases

## DRAFT Procedure for creating a release using M2

This is currently a discussion page, and is not (yet) policy

### Background

See Maven documentation: [<http://maven.apache.org/developers/release/releasing.html> Releasing A Maven Project].

**Please prepare the POM(s) for the release, quoting from the above page:**

Check that your poms will not lose content when they are rewritten during the release process.

- `mvn release:prepare -DdryRun=true`
- Diff the original file `pom.xml` with the one called `pom.xml.tag` to see if the license or any other info has been removed. This has been known to happen if the starting `<project>` tag is not on a single line. The only things that should be different between these files are the `<version>` and `<scm>` elements. Any other changes, you must backport yourself to the original `pom.xml` file and commit before proceeding with the release.
- Remember to do `'mvn release:clean'` before you start the real release process.

### Procedure for creating a release using M2

This assumes that the Commons Proxy is about to vote on 1.0-RC3.

- Tag "proxy-1.0-rc3" but with the version number set to "1.0". This is so the release does not have to be rebuilt later just to fix the version.
- Check out the tag proxy-1.0-rc3 into a clean local working directory
- Build the release artifacts - I think there's a couple of options here:
  - Run the following maven command:  
`mvn site javadoc:jar source:jar assembly:assembly`  
This will create all the artifacts - jars and src and binary distros, but then you need to create checksums and sign (James Carman: link to how to do this?)
  - Run the following maven command:  
`mvn -Prc -DcreateChecksum=true site install`  
This should create all the artifacts installed in your local m2 repository, signed and checksums (note it also creates checksums for signature files - I delete those)
- Upload the artifacts to `people.apache.org/~<userid>/proxy-1.0-rc3` (e.g.) and call a vote on `dev@` (James Carman: isn't there a mvn command to do this?)
- Make sure that your signing key has been [<http://www.apache.org/dev/release-signing.html#keys-policy> added] to the commons-wide KEYS file (<http://svn.apache.org/repos/asf/commons/trunk-proper/KEYS>) found in SVN.
- The vote e-mail should include:
  - URL for artifacts
  - URL for SVN tag
  - URL for website
- If the VOTE passes, then the RC tag can just be copied to the formal release tag, i.e. without the RC suffix. The RC tag should be kept.
- If the VOTE fails, the failed RC tag can be deleted if required.

### Releasing commons-parent pom

- Call a vote with a link showing the changes since the last release - example [[http://mail-archives.apache.org/mod\\_mbox/commons-dev/200801.mbox/%3c55afdc850801030530tb7f5a59x2ea1ac35b62ab635@mail.gmail.com%3e](http://mail-archives.apache.org/mod_mbox/commons-dev/200801.mbox/%3c55afdc850801030530tb7f5a59x2ea1ac35b62ab635@mail.gmail.com%3e) here]
- If the vote passes, cut the release using the [<http://maven.apache.org/plugins/maven-release-plugin/index.html> maven-release-plugin]
  - command `svn up` (makes sure your svn copy is *up-to-date*)
  - command `mvn -Prelease release:prepare`
  - command `mvn -Prelease release:perform`