HowToRelease

This page explains related information required for publishing a release.

Check list before release

- http://www.apache.org/dev/release.html

To verify license headers, use RAT check with following command:

```
% mvn apache-rat:check
```

Branching the release candidate

Before release, a branch should have been be created for that release in the form *<major>.<minor>*. For example:

```
svn copy https://svn.apache.org/repos/asf/hama/trunk https://svn.apache.org/repos/asf/hama/branches/0.2
```

Building Distribution

1. Update to the latest SVN revision:

```
svn up
```

2. Publish a SNAPSHOT

```
mvn deploy
```

3. Prepare the release:

```
mvn release:prepare
```

If you need to rollback the release,

```
mvn release:rollback
```

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4. Digitally sign the distribution hama-X.X.X.tar.gz.

- http://www.apache.org/dev/release-signing.html
- http://www.apache.org/dev/openpgp.html

```
md5sum hama-x.x.x.tar.gz > hama-x.x.x.tar.gz.md5
sha1sum hama-x.x.x.tar.gz > hama-x.x.x.tar.gz.sha1
```

5. Put the release candidate somewhere people can test it on different platforms

```
scp dist/target/** edwardyoon@people.apache.org:/home/edwardyoon/public_html/dist/0.6.1-RC3
```

Voting

Each release must be voted by the PMC on the hama-dev mailing list. Vote threads are indicated by starting the subject line with [VOTE].

For a vote to pass at least three +1 votes are needed. Votes are normally run for 72 hours. When starting the vote, indicate the date and time the vote period ends.

When the vote period ends, tally up the votes and report the final result to the mailing list.

Publishing

Once three PMC members have voted for a release, it may be published.

1. Manage versions in JIRA

2. Release artifacts

```
mvn release:perform
```

Now you must close the staging repository to indicate to Nexus that the build is done and to make the artifacts available. See http://www.apache.org/dev/publishing-maven-artifacts.html

```
scp -r edwardyoon@people.apache.org:/home/edwardyoon/public_html/dist/0.6.2-RC1/ ./
mv 0.6.2-RC1 0.6.2
svn add 0.6.2; svn commit ./ -m "Release Hama 0.6.2"
```

3. Website update

Use CMS to deploy web site or commit changes to http://svn.apache.org/repos/asf/hama/site/trunk/ directly

4. Announce to announce@apache.org, dev@hama.apache.org, user@hama.apache.org

5. After release is published to dist, please **remove** the old release.

Reference

- Publishing Releases
- Releases Policy