

# Release Guide

## Release day - 1 week

- Code freeze. Ask on the dev forum who has outstanding work and synchronize on creating the release branch.

## Release day

### Update the release notes

Add the release notes to `distro/src/main/files/readme.html`

### Initial preparation in the codebase

- Verify that the release notes have been added
- Create the release branch:

```
svn -m "creating release branch for 5.11"  
copy https://svn.activiti.org/repo/activiti/  
trunk https://svn.activiti.org/repo/activiti  
/tags/activiti-5.11
```

- Update the version in the release branch: `s/5.1-SNAPSHOT/5.1/g`
- Update the version in trunk to the next version's snapshot e.g. `s/5.1-SNAPSHOT/5.2-SNAPSHOT/g`
- Update the version in trunk of module `activiti-upgrade` to the new snapshot.  
e.g. `s/5.1-ALWAYS-SNAPSHOT/5.2-ALWAYS-SNAPSHOT/g`
- Verification: Run the test suite: `mvn -Pcheck clean install` in the code base root

### Generate the upgrade data

On your dev local machine, ensure that you have the upgrade properties to all the databases in `~/.activiti/upgrade/build.${database}.properties` Like for example:

- `~/.activiti/upgrade/build.db2.properties`
- `~/.activiti/upgrade/build.h2.properties`
- `~/.activiti/upgrade/build.mssql.properties`
- `~/.activiti/upgrade/build.mysql.properties`
- `~/.activiti/upgrade/build.oracle.properties`
- `~/.activiti/upgrade/build.postgres.properties`

Ensure that you have an up-to-date local git copy of the codebase

First ensure that you install the engine module with `mvn clean install` in the codebase root.

Then go to `modules/activiti-upgrade` and run

```
mvn -Pgenerate -Ddatabase=postgres -Dmaven.test.skip=true clean package
```

That command produces the datafiles in `activiti-upgrade/src/test/resources/org/activiti/db/${project.version}/data`. Bear in mind that the default directory name is based on the project version, which might contain the `-SNAPSHOT`. Then you can just manually change the directory name of the version.

If you want to produce new data files for older versions, use the `upgradeVersion` property like this

```
mvn -Pgenerate -Ddatabase=postgres -DupgradeVersion=5.8 -Dmaven.test.skip=true clean package
```

Run that generate profile for every database.

Then commit the resulting datafiles in git. If this was done after branching the release, ensure that the commit is merged on master.

## Test the distribution

- Remove the `'skip.deploy.activiti.modeler=true'` from `$(user.home)/.activiti/build.properties`  
Or even better: rename the `build.properties` temporary to e.g. `XXXbuild.properties`
- Verification: Run the demo setup in the root directory like this

```
ant -f qa/build.xml test.demo.start
```

- That should eventually open up a couple of browser windows in which you can click around to see if everything works as expected

## Upload the distribution

Build the distribution in directory `distro`:

```
ant clean distro
```

Then upload the `distro/target/activiti-5.11.zip` to <http://ts.alfresco.com/share/page/site/activiti/documentlibrary#path=/Downloads&page=1>

## Publish the maven artifacts

Add following to `$(user.home)/.m2/settings.xml`

```
<settings
xmlns="http://maven.apache.org/POM/4.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"

xsi:schemaLocation="http://maven.apache.org/
POM/4.0.0
http://maven.apache.org/xsd/settings-1.0.0.x
sd">
  <servers>
    <server>
      <id>alfresco.snapshot.repo</id>
      <username>jbarrez</username>
      <password>XXX</password>
    </server>
    <server>
      <id>alfresco.release.repo</id>
      <username>jbarrez</username>
      <password>XXX</password>
    </server>
  </servers>
</settings>
```

Note that this will save your password in plain text.

It is possible (since maven 2.1.0) to encrypt your password (untested): <http://maven.apache.org/guides/mini/guide-encryption.html>

Then do

```
mvn -Pdeploy clean deploy
```

on the root of the sources. This will publish all artifact to the snapshot/release repo, depending whether '-SNAPSHOT' is added to the current project version.

snapshot repo: <http://maven.alfresco.com/nexus/content/repositories/activiti-snapshots/>

release repo: <http://maven.alfresco.com/nexus/content/repositories/activiti/>

**IMPORTANT:** Due to a bug in Maven 2.2.0 and 2.2.1 see (<http://jira.codehaus.org/browse/MNG-4235> and <http://jira.codehaus.org/browse/MNG-4301>), maven upload wrong checksums.

This is can currently only be fixed by logging in into the Alfresco Nexus app (<http://maven.alfresco.com/nexus/index.html#welcome>), and manually selecting

the activiti folder, right-clicking and selecting '*rebuild Metadata*'.

### Update the website

- Publish the docs: in directory distro

```
ant publish.docs
```

- If they are updated, update the version andn publish the new .xsd schemas for <http://activiti.org/cfg> and <http://activiti.org/bpmn>
- Add the new release to the downloads page in the website
- Commit the docs and download page updates to the website

### Make noise

- Blog and tweet about it