

# ReleaseHowTo

## The Ultimate [MyFaces](#) Release [HowTo](#)

On this page we want to collect all essential information that is necessary to release a [MyFaces](#) project.

### Prerequisites

MyFaces releases are done by means of the [Maven release plugin](#). For being able to use it you have to install several external tools first.

#### External tools

- Subversion command line executable  
Download [svn](#) and install it
- GnuPG  
Find a proper gpg version and frontend at the [GnuPG homepage](#).  
Windows users may have a look at the [Gpg4win](#) frontend, which is easy to use.

If you do not already have a private key for your apache mail address you should now either

- - add your @apache.org address as an additional identifier to your existing gpg key if you already have one, or
  - create a new private key (recommended)  
**Important:** Don't forget to add your public key to the MyFaces [KEYS](#) file which you will find at `/x1/www/www.apache.org/dist/myfaces` on the `people.apache.org` host.
- SSH  
Most \*nix users will already have ssh on their machine.  
Windows users may have a look at [Putty](#).

#### Settings

- Server settings  
For the deploy plugin to be able to upload the artifacts you must add the right settings for the "myfaces-staging" server.  
You may either use your username and password or provide your private key file.

```
<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.xsd">
  ...
  <servers>
    <server>
      <id>myfaces-staging</id>
      <username>...</username>
      <privateKey>C:\...\myapachekey.ppk</privateKey>
      <filePermissions>664</filePermissions>
      <directoryPermissions>775</directoryPermissions>
      <configuration>
        <sshExecutable>C:\...\putty-0.60\plink</sshExecutable>
        <scpExecutable>C:\...\putty-0.60\pscp</scpExecutable>
      </configuration>
    </server>
  </servers>
  ...
</settings>
```

See [maven-deploy-plugin ssh examples](#) for more info.

**Important:** Make sure you access the "people.apache.org" host manually at least once before running the release plugin by doing a `ssh people.apache.org` (\*nix users) or `plink.exe people.apache.org` (Windows putty users) on the command line.  
You will be asked to accept the server certificate. You have to answer "permanently" for the Maven upload to function properly later.

### Basics (or "How to release [MyFaces](#) Master POM")

Obviously the simplest MyFaces project is the *MyFaces Master POM*. It consists of nothing more than a single pom.xml file. So it is perfect for showing the basic procedure of releasing.

#### Release candidate

1. Make sure that you have no local modifications or even better: do a clean checkout from the [SVN repo](#). 2. `mvn release:prepare -Dusername=YOURUSERNAME -Dpassword=YOURPASSWORD`  
During the prepare run you will be asked three questions (release version, tag name, next snapshot version). Just hit RETURN for all three to use the defaults. 3. **Important:** Make a backup copy of the "release.properties" file now (in case something goes wrong during the release upload)! 4. `mvn release:perform -Dusername=YOURUSERNAME -Dpassword=YOURPASSWORD`  
During the perform run you will be asked for your gpg passphrase.

## Voting

1. Announce the new release candidate and ask for a vote

```
From: "Manfred Geiler" <manolito@apache.org>
To: "MyFaces Development" <dev@myfaces.apache.org>
Subject: [vote] MyFaces Master pom v4

This is the formal vote for the new myfaces master POM version 4.

You can find the signed release candidate at [1].

Please vote
+1 if you reviewed the new master pom version 4 and think we can use it
-1 if you found a flaw or potential problem with the new master pom

Thanks,
--Manfred

[1] http://people.apache.org/builds/myfaces/m2-staging-repository/org/apache/myfaces/myfaces/4/
```

2. The Release Manager (=you) decides about the outcome of the voting.  
Please note that there is no veto for release votings. But of course you *should* address negative votes.  
As a rule of thumb you should at least get three positive votes before you decide to continue with the release process.

## Distribution

1. Copy the release candidate to the maven distribution dir  
`cp -r /www/people.apache.org/builds/myfaces/m2-staging-repository/org/apache/myfaces/myfaces/* /www/people.apache.org/repo/m2-ibiblio-rsync-repository/org/apache/myfaces/myfaces/` 2. It can take up to 24 hours for a newly published release to be sync'd to all mirrors. You should at least verify that the new release is already available at the [Maven main repo](#) before adding a dependency to it within another project.