



## Versioning notes:

Biojs library is deployed following the versioning strategy described in this document in order to facilitate the access of resources that have changed during the different development stages.

**This document explains** Below is the explanation of how to make a release for BioJs library in the following sections:

1. Conventions for tagging up versions
2. Create both branch and tag in svn
3. Upload the released version in the BioJs public home
4. Link to the latest version

## 1. Convention for tagging up versions:

In order to ease the identification of how important a new version is, the following name-convention is asked to be follow:



- **Major**: big release.
- **Minor**: collection of important changes/improvements which not worth for new version.
- **Build**: minor changes/improvements.
- **State**: tag of releases according to stability → *alpha*, *beta*, *RC1*, *RC2*, ..., *RCN* (where RC means release candidate)

## 2. Creating release with svn:

The management of the code and resouces of Biojs is based on Subversion, a well known version control system.

Biojs developers will use the SVN repository at (<https://biojs.googlecode.com/svn/trunk>) to commit the recent developments of the library. Once is considered convinient o create a new version of the librarty a release has to be done.

Let's start releasing the sample version **1.0.0\_beta**

Creating the *branch* for release 1.0.0\_beta:

```
svn copy -m "Creating release branch 1.0.0_beta" https://  
biojs.googlecode.com/svn/trunk https://biojs.googlecode.com/svn/branches/RB-  
1.0.0_beta
```

\*RB means Release Branch

This command creates a copy of the current development state of Biojs into a branch called RB-1.0.0\_beta by following the name convention defined above.

### Why a TAG is created paragraph

Creating the *tag* for release 1.0.0\_beta:

```
svn copy -m "Tag release 1.0.0_beta" https://biojs.googlecode.com/svn/  
branches/RB-1.0.0_beta https://biojs.googlecode.com/svn/tags/REL-1.0.0_beta
```

\*REL means ready for RELEASE

Similar to the previous command, this one is creating a copy, but in this case is from the branch to the released version.

Once the Release is on the repository, the developer might want to install it locally. we suggest to have a directory called biojs\_release to store the different versions. The files corresponding to the version to install can be download by executing the checkout SVN command. Finally we use maven in order to compile the library and generate the registry. (See this [document](#) for more details). See example below:

### Building the files to release:

```
mkdir biojs_releases  
cd biojs_releases  
svn checkout https://biojs.googlecode.com/svn/tags/REL-1.0.0\_beta  
cd REL-1.0.0_beta  
mvn compile  
mvn jsdoctk:jsdoc
```

## 3. Uploading the release to public:

The execution of the maven commands generates three directories: biojs containing the library, registry for the web view of the registry, and jsdoc for the documentation of the library including its components.

The content of this folders needs to be web available in order to publish the release, you can use ftp, scp or any available method in the host server.

For our example Upload the generated directories REL-1.0.0\_beta/target/biojs, REL-1.0.0\_beta/target/registry and REL-1.0.0\_beta/target/jsdoc in a subdirectory of BIOJS\_PUBLIC\_HOME named with the version to be released (1.0.0\_beta).

Resulting release url should be like this:

```
http://www.ebi.ac.uk/~jgomez/biojs/1.0.0_beta/biojs
http://www.ebi.ac.uk/~jgomez/biojs/1.0.0_beta/registry
http://www.ebi.ac.uk/~jgomez/biojs/1.0.0_beta/jsdoc
```

\*<http://www.ebi.ac.uk/~jgomez/biojs> is the current biojs host

## 4. Link to the latest version:

Now in the web server you should update the link to make of this version directly accessible as the latest.

stable version??

Create/replace the alias for 1.0.0\_beta with the name latest

```
ln -s 1.0.0_beta latest
```

Resulting latest release url should be like this:

```
http://www.ebi.ac.uk/~jgomez/biojs/latest/biojs
http://www.ebi.ac.uk/~jgomez/biojs/latest/registry
http://www.ebi.ac.uk/~jgomez/biojs/latest/jsdoc
```

\*<http://www.ebi.ac.uk/~jgomez/biojs> is the current biojs host