

# Upgrading From 1.4 to 1.4.x

In the notes below `[dspace]` refers to the install directory for your existing DSpace installation, and `[dspace-1.4.x-source]` to the source directory for DSpace 1.4.x. Whenever you see these path references, be sure to replace them with the actual path names on your local system.

## Upgrade Steps

The changes in 1.4.x releases are only code and configuration changes so the update is simply a matter of rebuilding the wars and slight changes to your config file.

1. Get the new DSpace 1.4.x source code from [the DSpace page on SourceForge](#) and unpack it somewhere. Do not unpack it on top of your existing installation!!
2. Copy the PostgreSQL driver JAR to the source tree. For example:

```
cd [dspace]/lib
cp postgresql.jar [dspace-1.4.x-source]/lib
```

3. **Note:** Licensing conditions for the `handle.jar` file have changed. As a result, the latest version of the `handle.jar` file is not included in this distribution. It is recommended you read the [\[new license conditions|http://www.handle.net/upgrade\\_6-2\\_DSpace.html\]](http://www.handle.net/upgrade_6-2_DSpace.html) and decide whether you wish to update your installation's `handle.jar`. If you decide to update, you should replace the existing `handle.jar` in `[dspace-1.4.x-source]/lib` with the new version.
4. Take down Tomcat (or whichever servlet container you're using).
5. A new configuration item `webui.html.max-depth-guess` has been added to avoid infinite URL spaces. Add the following to the `dspace.cfg` file:

```
##### Multi-file HTML document/site settings #####
#
# When serving up composite HTML items, how deep can the request be for us to
# serve up a file with the same name?
#
# e.g. if we receive a request for "foo/bar/index.html"
# and we have a bitstream called just "index.html"
# we will serve up that bitstream for the request if webui.html.max-depth-guess
# is 2 or greater. If webui.html.max-depth-guess is 1 or less, we would not
# serve that bitstream, as the depth of the file is greater.
#
# If webui.html.max-depth-guess is zero, the request filename and path must
# always exactly match the bitstream name. Default value is 3.
#
webui.html.max-depth-guess = 3
```

If `webui.html.max-depth-guess` is not present in `dspace.cfg` the default value is used. If archiving entire web sites or deeply nested HTML documents it is advisable to change the default to a higher value more suitable for these types of materials.

6. Your 'localized' JSPs (those in `jsp/local`) now need to be maintained in the `source` directory. If you have locally modified JSPs in your `[dspace]/jsp/local` directory, you will need to merge the changes in the new 1.4.x versions into your locally modified ones. You can use the `diff` command to compare your JSPs against the 1.4.x versions to do this. You can also check against the [DSpace CVS](#).
7. In `[dspace-1.4.x-source]` run:

```
ant -Dconfig=[dspace]/config/dspace.cfg update
```

8. Copy the `.war` Web application files in `[dspace-1.4.x-source]/build` to the `webapps` sub-directory of your servlet container (e.g. Tomcat). e.g.:

```
cp [dspace-1.4.x-source]/build/*.war [tomcat]/webapps
```

If you're using Tomcat, you need to delete the directories corresponding to the old `.war` files. For example, if `dspace.war` is installed in `[tomcat]/webapps/dspace.war`, you should delete the `[tomcat]/webapps/dspace` directory. Otherwise, Tomcat will continue to use the old code in that directory.

9. Restart Tomcat.