

Installing DSpace on OSX

Updated Guide Available

 An updated guide to Installing DSpace on OSX has been created. See: [Install DSpace on OSX \(2014\)](#)

Reference documentation: <http://dspace.org/technology/system-docs/install.html>

See [Installing DSpace on Mac OS X](#) for an newer, less terse version.

Notes

- OSX 10.4 November 2006, Java 1.5, X_Code tools 2.3?
- These instructions seem to work fine, and are the same for OS X and OS X Server.
- I don't use the older version of tomcat installed with OS X Server, nor do I attempt to update it.
- I run tomcat on port 80 and I have not tried to use Apache with tomcat.

Start Here;

- create a user postgres - use this for your postgres install
- create a user dspace - use this for both dspace and tomcat
- Update java With system update (J2RE version 1.5)
- Install xcode tools. You need it for Ant. Probably other stuff too.
- Install tomcat5.5 <http://www.bartbusschots.ie/blog/?p=201> is a good guide - just remember to use the user dspace instead of tomcat. I have only done steps one to three.
- Install postgresql-8.1 <http://www.entropy.ch/software/macosx/postgresql/> is a good guide that includes postgres prebuilt as a osx package for easy installation. (works fine for 10.4)

```
sudo mkdir /dspace; sudo chown dspace /dspace
```

- Create the PostgreSQL 'dspace' user and the 'dspace' database. The key here is to issue each command using `sudo` as the Unix 'postgres' user:

```
sudo -u postgres createuser -U postgres -d -A -P dspace
sudo -u dspace createdb -U dspace -E UNICODE dspace
```

If you use the sites above, postgres and tomcat will be in the `/usr/local` part of your filesystem.

modify `/etc/profile` as follows;

```
# System-wide .profile for sh(1)

PATH="/bin:/sbin:/usr/bin:/usr/sbin:/usr/local/bin"
export PATH

if [ "${BASH-no}" != "no" ]; then
    [ -r /etc/bashrc ] && . /etc/bashrc
fi

#For Tomcat
export JAVA_HOME=/System/Library/Frameworks/JavaVM.framework/Versions/1.5.0/Home
export CATALINA_HOME=/usr/local/tomcat

export JAVA_OPTS="-Xmx512M -Xms64M -Dfile.encoding=UTF-8"
```

Open a NEW terminal(so the updates to profile are available) and follow the dspace install instructions.

NOTE: The Manakin DSpace XMLUI works fine (so far), but you will have to update the `context.xml` to include the location of DSpace config file (`dspace.cfg`)