

Installing ThingWorx 8.0 H2 on Mac OS

Prerequisites:

- Java JDK 8
- ThingWorx Core 8.0 H2
- ThingWorx Core License

Download Tomcat

1. Goto <http://tomcat.apache.org> ⇒ Under "Tomcat 8.5.{xx} Released" (where {xx} is the latest upgrade number) ⇒ Downloads ⇒ Scroll Down Past "8.5.{xx}" ⇒ Under "8.0.{xx}" ⇒ Binary distribution ⇒ Core ⇒ "**tar.gz**" package (e.g., "apache-tomcat-8.0.{xx}.tar.gz", about 9 MB).

Make sure to download Tomcat 8.0.xx NOT 8.5.xx

2. To install Tomcat:

1. Goto "~/Downloads", double-click the downloaded tarball (e.g., "apache-tomcat-8.0.{xx}.tar.gz") to expand it into a folder (e.g., "apache-tomcat-8.0.{xx}").
2. Move the extracted folder (e.g., "apache-tomcat-8.0.{xx}") to "/Applications".
3. For **ease of use**, we shall shorten and rename this folder to "tomcat".

Take note of Your Tomcat Installed Directory. I'll assume you placed it in Applications/tomcat for the rest of guide.

Configure Tomcat

1. Open "Applications/tomcat/conf"
2. Open server.xml
3. Replace
`protocol="HTTP/1.1" WITH protocol="org.apache.coyote.http11.Http11NioProtocol"`
4. Save and close the file.
5. Open tomcat-users.xml
6. Add the following at the end of the file above </tomcat-users>
`<role rolename="manager-gui" />
<user username="admin" password="admin" roles="standard, manager-gui, admin" />`
8. Save and close the file
9. Go to "Tomcat/bin"
10. Open "catalina.sh"
11. Find the following:
`JAVA_OPTS="$JAVA_OPTS -Djava.protocol.handler.pkgs=org.apache.catalina.webresources"`
12. Below this line add:
`JAVA_OPTS="$JAVA_OPTS -Djava.library.path=/Applications/tomcat/webapps/Thingworx/WEB-INF/extensions"`
13. Save and close the file.

Test Tomcat

1. Open a terminal
2. Run this command `“cd Applications/tomcat/bin”`
3. Now run `“sudo ./catalina.sh run”`
4. The terminal will start the tomcat server up, you should see something like this on the terminal “Server startup in 24167 ms”
5. Open a browser and go to localhost:8080
6. You should see the Tomcat homepage
7. Now go back to the terminal and shutdown the server by pressing Control + C

* I will add a Troubleshooting section later. For now if you have problems check “Tomcat/logs/catalina.log” to try to find out what went wrong.

Install ThingWorx

1. Open a new terminal
2. Run this command to go to your root directory `“cd /”`
3. Now run this `“sudo mkdir ThingworxStorage”` & `“sudo mkdir ThingworxPlatform”`
4. Now open this directory in Finder by running `“open .”`
5. Place your Thingworx License file into `“ThingworxPlatform”`
6. Now go to `“Applications/Tomcat/webapps”`
7. Place the `Thingworx.war` file here
8. Open a new terminal run this command `“cd Applications/tomcat/bin”`
9. Run `“sudo ./catalina.sh run”`
10. Open your browser and go to localhost:8080/Thingworx
11. You’ll be prompted with a login form
12. Username: Administrator , Password: trUf6yuz2?_Gub
13. Congratulations you have Thingworx running on your localhost!