

# Building & running

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DistributeMe Registry project can be checked out from svn:

```
svn://svn.anotheria.net/opensource/distributeme/trunk/distributeme-registry
```

## Building project or Downloading the war

There is also pom.xml in the project's directory so building this project with Maven:

```
mvn clean install
```

Getting the next:

```
...

[INFO] Webapp assembled in [1903 msecs]
[INFO] Building war: /Users/bezuhlyi/projects/distributeme-registry/target/distributeme.war
[INFO] WEB-INF/web.xml already added, skipping
[INFO]
[INFO] --- maven-install-plugin:2.3.1:install (default-install) @ distributeme-registry ---
[INFO] Installing /Users/bezuhlyi/projects/distributeme-registry/target/distributeme.war to /Users/bezuhlyi/.m2
/repository/net/anotheria/distributeme-registry/1.3.0-SNAPSHOT/distributeme-registry-1.3.0-SNAPSHOT.war
[INFO] Installing /Users/bezuhlyi/projects/distributeme-registry/pom.xml to /Users/bezuhlyi/.m2/repository/net
/anotheria/distributeme-registry/1.3.0-SNAPSHOT/distributeme-registry-1.3.0-SNAPSHOT.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 27.194s
[INFO] Finished at: Fri Oct 26 17:13:45 EEST 2012
[INFO] Final Memory: 13M/81M
[INFO] -----
Process finished with exit code 0
```



alternatively you can simply download the latest registry from maven central and rename it to **distributeme.war**:

<http://search.maven.org/#search%7Cga%7C1%7Cg%3A%22net.anotheria%22%20AND%20a%3A%22distributeme-registry%22%20AND%20p%3A%22war%22>

## Configuring Tomcat

Prepare your Tomcat for running DistributeMe Registry. Set up port for HTTP protocol connector to 9229, editing Tomcat's *server.xml*/config file, for example:

```
<Connector port="9229" URIEncoding="UTF-8" useBodyEncodingForURI="true" protocol="HTTP/1.1" connectionTimeout="20000" redirectPort="8443"/>
```

Save changes to server.xml.

## Deploying application

Next step - starting tomcat. As usual, execute *./tomcat\_directory/bin/catalina.sh run* from terminal in Unix-based systems. Output is something like this:

```

bezuhlyi:distributeme-registry bezuhlyi$ bin/catalina.sh run
Using CATALINA_BASE: /Users/bezuhlyi/tomcats/distributeme-registry
Using CATALINA_HOME: /Users/bezuhlyi/tomcats/distributeme-registry
Using CATALINA_TMPDIR: /Users/bezuhlyi/tomcats/distributeme-registry/temp
Using JRE_HOME: /System/Library/Frameworks/JavaVM.framework/Versions/CurrentJDK/Home
Using CLASSPATH: /Users/bezuhlyi/tomcats/distributeme-registry/bin/bootstrap.jar:/Users/bezuhlyi/tomcats
/distributeme-registry/bin/tomcat-juli.jar
Listening for transport dt_socket at address: 8999
26 ??? 2012 18:19:22 org.apache.catalina.core.AprLifecycleListener init
INFO: The APR based Apache Tomcat Native library which allows optimal performance in production environments
was not found on the java.library.path: ./Library/Java/Extensions:/System/Library/Java/Extensions:/usr/lib/java
26 ??? 2012 18:19:23 org.apache.coyote.AbstractProtocol init
INFO: Initializing ProtocolHandler ["http-bio-9229"]
26 ??? 2012 18:19:23 org.apache.coyote.AbstractProtocol init
INFO: Initializing ProtocolHandler ["ajp-bio-8009"]
26 ??? 2012 18:19:23 org.apache.catalina.startup.Catalina load
INFO: Initialization processed in 1494 ms
26 ??? 2012 18:19:23 org.apache.catalina.core.StandardService startInternal
INFO: Starting service Catalina
26 ??? 2012 18:19:23 org.apache.catalina.core.StandardEngine startInternal
INFO: Starting Servlet Engine: Apache Tomcat/7.0.27
26 ??? 2012 18:19:23 org.apache.catalina.startup.HostConfig deployWAR
INFO: Deploying web application archive /Users/bezuhlyi/tomcats/distributeme-registry/webapps/distributeme.war
26 ??? 2012 18:19:26 org.apache.catalina.startup.HostConfig deployDirectory
INFO: Deploying web application directory /Users/bezuhlyi/tomcats/distributeme-registry/webapps/ROOT
26 ??? 2012 18:19:28 org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-bio-9229"]
26 ??? 2012 18:19:28 org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["ajp-bio-8009"]
26 ??? 2012 18:19:28 org.apache.catalina.startup.Catalina start
INFO: Server startup in 5162 ms

```

Now we need to deploy built DistributeMe Registry to Tomcat. Go to directory where you have checked out the DistributeMe Registry project and place *distributeme.war* from *target* directory to *webapps* directory of already configured and running Tomcat.

Application will be extracted and deployed automatically. And using the browser by the <http://localhost:9229/distributeme/> you should see the next:

The screenshot shows the DistributeMe UI. At the top left is the logo and the text "DistributeMe UI". To the right of the logo are navigation tabs: "Service Registry" (selected), "Event Service Registry", "Cluster", and "MoSKito". Further right is a user greeting "Hello, Admin" and a "Logout" link. Below the navigation is a search bar with a "Search" button. The main content area is titled "Registered services (0)." and contains the text "The table below contains all registered services." Below this text is an empty table with the following headers: "Service ID", "Host", "Port", "Protocol", "Instance ID", and "Global service ID". At the bottom of the main content area are two buttons: "Shutdown all" and "Ping all". At the very bottom of the page is a logo for "anotheria.net" with the text "Powered by" above it.

If you does, it means that all is in an order - Registry is running.