How to build and deploy SOBA on Tomcat 7

If you are interested in running SOBA on Tomcat 7 rather than Tomcat 6, please use the newest download for SOBA (soba3.1 for ANT-based and soba3.2 for Maven-based), and make sure that the following additional steps are taken care of.

1. Configuring Tomcat 7

In addition to all steps as required for Tomcat 6, you need to edit your *server.xml* file for your Tomcat 7 located at *<tomcat7_install>\conf* as follows:

<Connector port="8443" protocol="org.apache.coyote.http11.Http11Protocol" SSLEnabled="true"
        maxThreads="150" scheme="https" secure="true"
        clientAuth="false" sslProtocol="TLS" />

The above replacement is required according to *Apache Tomcat 7 SSL Configuration HOW-TO* described at http://tomcat.apache.org/tomcat-7.0-doc/ssl-howto.html . With the above protocol setting, Tomcat 7 would use the JSSE SSL implementation as part of the JVM rather than the APR SSL implementation, which uses the OpenSSL engine by default. The term APR stands for Apache Portable Runtime, which is a highly portable library that provides superior performance, scalability, and better integration with native server technologies. To learn more about APR, please visit http://tomcat.apache.org/tomcat-7.0-doc/apr.html.

2. Configuring ANT build.perperties and build.xml files

(1) In your *build.properties* file, set the *appserver.home* parameter to point to your Tomcat 7 install. For example, this is how I set it on my setup:

> *appserver.home=C:/mspc/app/apache-tomcat-7.0.27*

(2) In your *build.xml* file, you need to make sure the *install* task is defined as follows, as the *classname* for this *taskdef* has been changed from "InstallTask" with Tomcat 6 to "DeployTask" with Tomcat 7.

```
<taskdef name="install" classname="org.apache.catalina.ant.DeployTask">
      <classpath refid="catalina-ant-classpath"/>
  </taskdef>
If you use Maven to build SOBA, this issue does not apply.
```