

Objectives

- At the end of this chapter you will be able to understand
 - How to run the Axis server inside Tomcat

seed

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Axis server as a mini-web server

- Up until now we've been running the Axis server as a separate process listening for SOAP messages in HTTP requests on port 8080. Essentially it is acting as a mini-web server.
- If we're already running a web server such as Tomcat, we probably want to run the Axis server as a web application in Tomcat.



Running the Axis server inside Tomcat

- Go to http://ws.apache.org/axis2 to download the "WAR (Web Archive) Distribution" which is a zip file.
- After unzipping it we will get the couple of files.
- The only important file there is the axis2-1.4.war file. To install it into Tomcat, copy it into <CATALINA_HOME>\webapps.
- Then start Tomcat by running startup.bat. we should see:



Running the Axis server inside Tomcat

```
INFO: Deploying web application archive axis2.war
[INFO] Deploying module: addressing-1.3
[INFO] Deploying module: script-1.3
[INFO] Deploying module: metadataExchange-1.3
[INFO] Deploying module: ping-1.3
[INFO] Deploying module: soapmonitor-1.3
[INFO] script module activated
[INFO] Deploying Web service: version-1.3.aar
Dec 16, 2007 11:50:16 AM org.apache.coyote.http11.Http11Protocol start
INFO: Starting Covote HTTP/1.1 on http-8080
Dec 16, 2007 11:50:16 AM org.apache.jk.common.ChannelSocket init
INFO: JK: ajp13 listening on /0.0.0.0:8009
Dec 16, 2007 11:50:16 AM org.apache.jk.server.JkMain start
INFO: Jk running ID=0 time=0/32 config=null
Dec 16, 2007 11:50:16 AM org.apache.catalina.startup.Catalina start
INFO: Server startup in 35270 ms
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```

Running the Axis server inside Tomcat

- To further check that the Axis server is running, go to http://localhost:8080/axis2
- in a browser, we should see:



Running the Axis server inside Tomcat

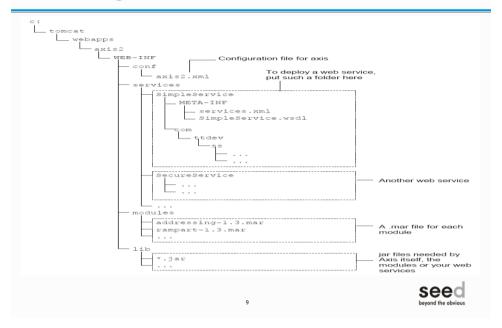


Running the Axis server inside Tomcat

 Check < CATALINA_HOME > \webapps, we should see that there is an axis2 folder created with the following structure:

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Running the Axis server inside Tomcat



Running the Axis server inside Tomcat

Restart Tomcat for the changes to take effect.
 Run a client such as the SimpleClient and it should continue to work.

seed

Quick Recap . . .

- The Axis server can be run inside Tomcat as a web application.
- This is most useful when we are already running Tomcat.

seed