



WebSphere Application Server V8.5 Liberty Profile Lab 2: First application

Module 2: Deploy and test your application



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About this module

- In this module, you will review the IBM WebSphere Application Server V8.5 Liberty Profile configuration
 - The server is pre-configured ready to run a servlet, so you will not need to modify the server configuration
- You will deploy and run your Hello World servlet

Prerequisites

- You must complete the Hello World servlet code from [module 1](#) before you start this module



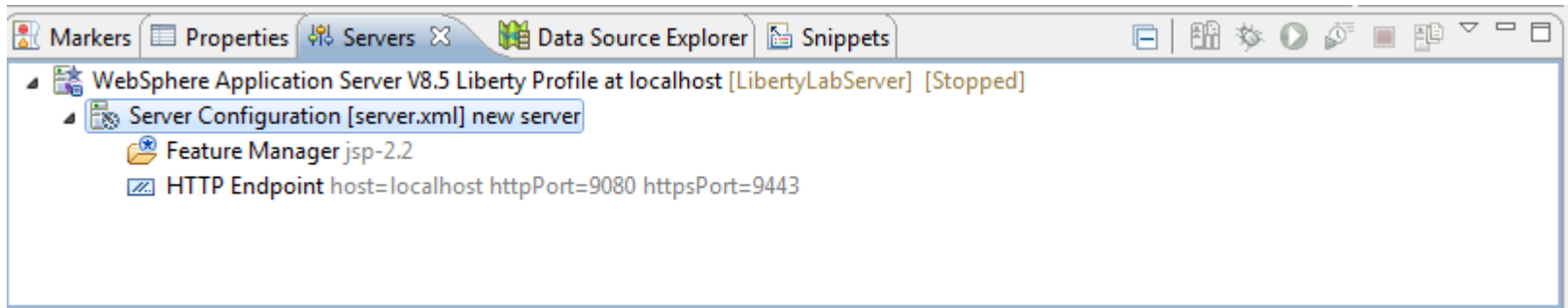
About the Liberty profile

- The IBM WebSphere Application Server V8.5 Liberty Profile is a lightweight dynamic profile that enables provisioning only the features required by the application (or set of applications) deployed to the server
- You can update the server dynamically without the need for a restart
- If you do choose to restart the server, it is restarted in seconds
- By default, the IBM WebSphere Application Server V8.5 Liberty Profile is already configured to run servlets, so you will not need to modify the configuration



Review your server configuration

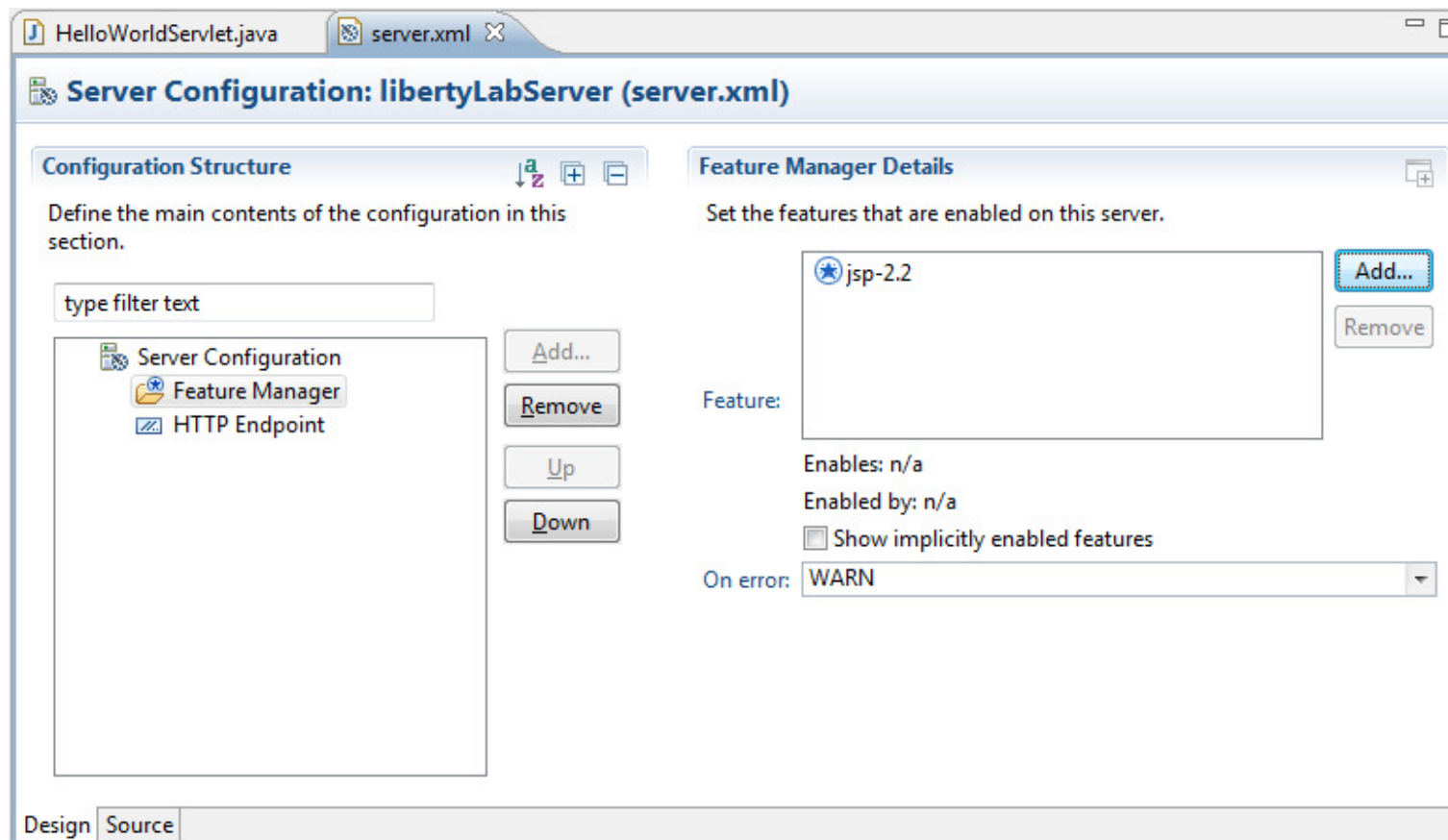
- 1 In the Eclipse Servers view expand WebSphere Application Server V8.5 Liberty Profile → Server Configuration [server.xml]
- 2 Double-click on Server Configuration to edit the server.xml file





Manage Features

- 1 In Configuration Structure section, select Feature Manager
- 2 You should see one feature is already enabled: jsp-2.2





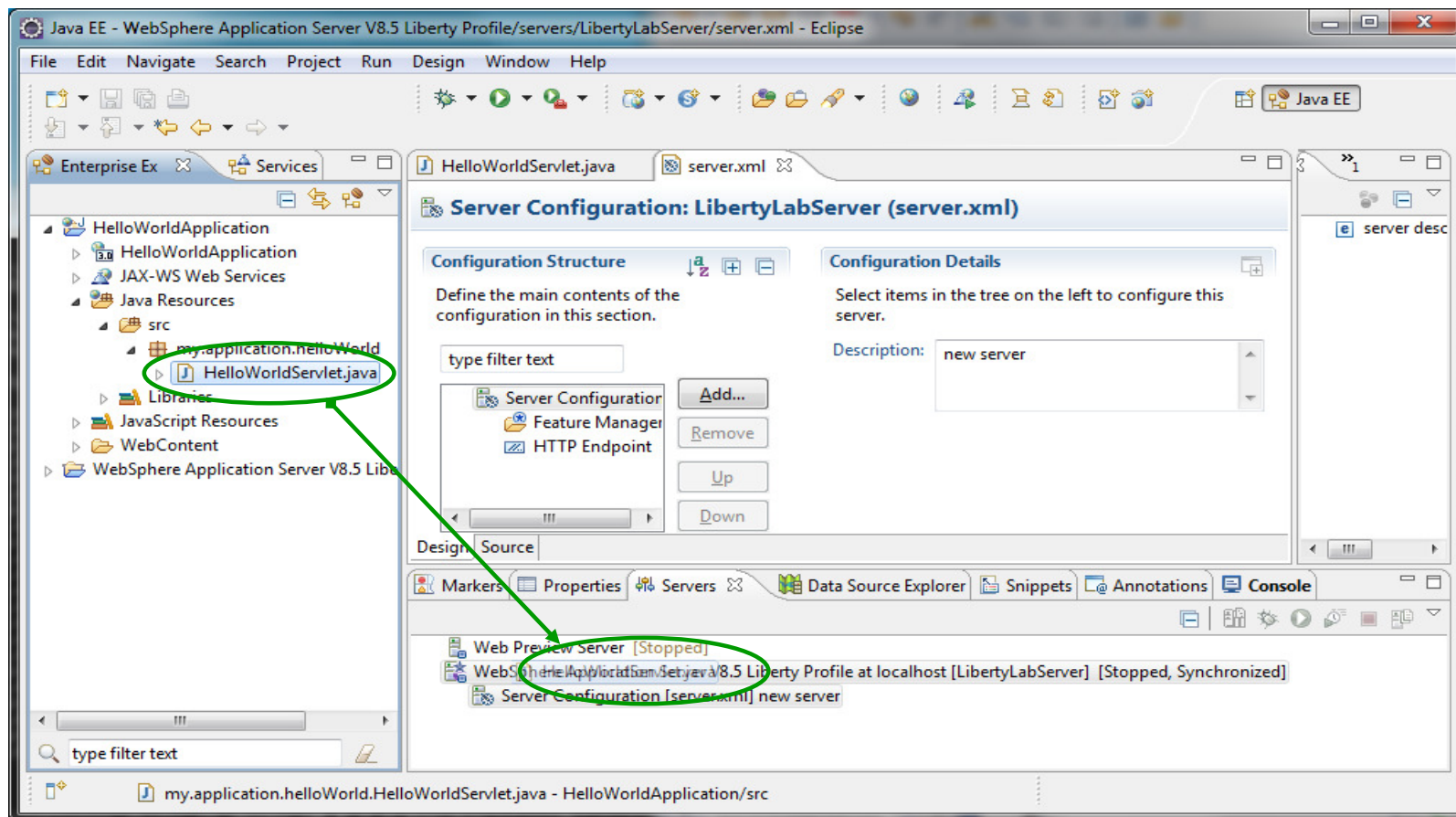
Your server is configured

- Your server is configured by default to run JSPs and to listen to HTTP requests on 9080 port
- The JSP 2.2 feature includes servlet-3.0 function, so your configuration is ready to run the HelloWorld application



Select and run the servlet

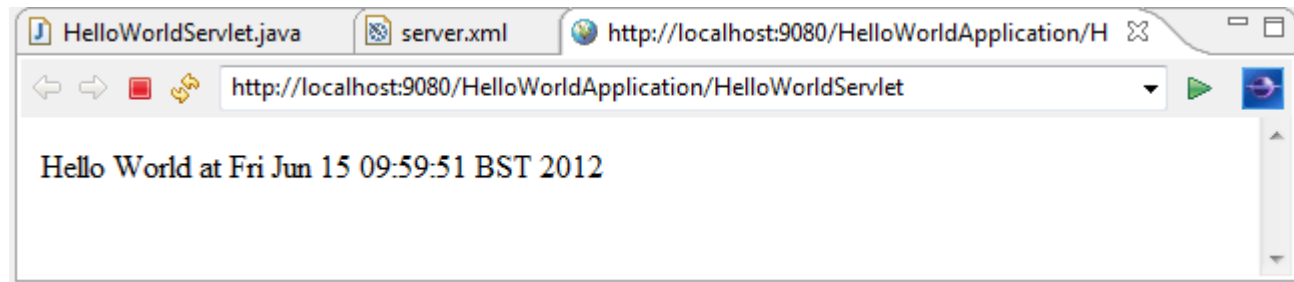
- 1 Expand HelloWorldApplication → Java Resources → src → my.application.helloWorld
- 2 Select the HelloWorldServlet.java class and drag it onto the WebSphere Application Server V8.5 Liberty Profile



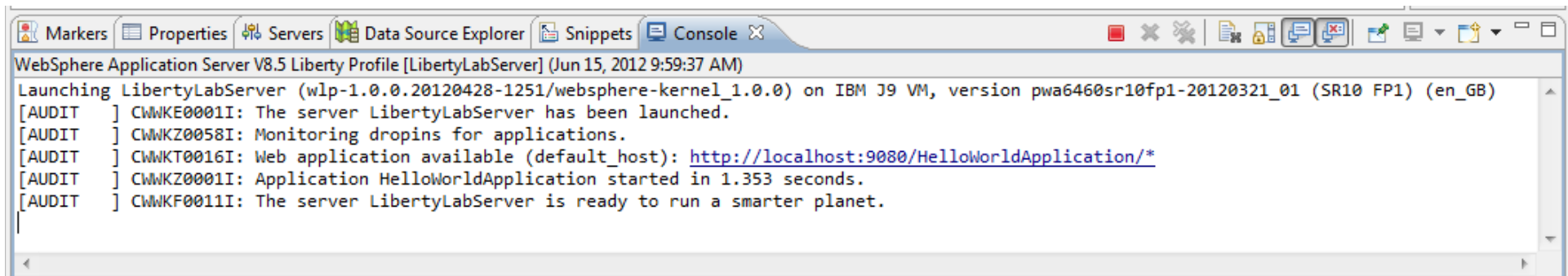


Servlet execution

- A browser window opens automatically and displays the servlet



- In the Console, you can see the Liberty Server was started for you





Lab review

- Once you have seen the Hello World servlet in action, you have completed this lab
 - You have developed a servlet application
 - You deployed and ran your application on a Liberty Profile server
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- Next, continue to [Lab 3](#) which explains how to use the WebSphere Application Server Liberty Profile with a JPA application and database



Thank you