Lab 3 – Installing IBM HTTP Server

At the end of the exercise, you should be able to:

- Install IBM HTTP Server with IBM Installation Manager
- Confirm and test the installation of IBM HTTP Server
- Install Web Server Plug-ins for WebSphere Application Server
- Install WebSphere Customization Toolbox
- Configure the Web Server Plug-ins for WebSphere Application Server
- Examine the installed directories and files for IBM HTTP Server and the plug-ins

Section 1: Installation of the IBM HTTP Server

Section 2: Install IBM HTTP Server plug-in

The plug-ins are necessary for routing requests from the web server and WebSphere Application Server.

Section 3: Install WebSphere Customization Toolbox

The WebSphere Customization Toolbox includes tools for managing, configuring, and upgrading various parts of the WebSphere Application Server environment. Three tools are included:

• Profile Management Tool for z/OS only • z/OS Migration Tool
• Web Server Plug-ins Configuration Tool

In this part of the exercise, the Web Server Plug-ins Configuration Tool (PCT) is installed as part of the WebSphere Customization Toolbox. The PCT includes both browser-based and command-line options. The other tools are not necessary for the lab exercise environment.

The Web Server Plug-ins Configuration Tool is needed in the next section to configure the web server plug-in. The plug-in configuration allows the web server to connect correctly with the application server.

Section 4: Configuring the web server plug-in

After the products are installed with the IBM Installation Manager, other tools are used to complete the configuration processes. The Web Server Plug-ins Configuration Tool is available for configuring web server plug-ins. The Web Server Plug-ins Configuration Tool creates one or more configurations for the web server plug-ins that can direct requests from a web client through the web server. The tool edits the configuration files for a web server by creating directives that point to the location of the binary plug-in module. The tool also creates a directive to the plug-in configuration file.

In this part of the exercise, the Web Server Plug-ins Configuration Tool (PCT) is used to configure the web server plug-in.

Section 5: Confirm and test installation of IBM HTTP Server and plug-ins

Section 6: Explore the IBM HTTP Server and plug-in installation

Now that IBM HTTP Server is installed, examine the directory structure and review what you installed.

Section 7: Check installation log files

A number of log files are created during the installation process. It is useful to check these files to verify that the installation completed successfully.

Section 8: Review configuration and error files

No further configuration is required for this lab exercise. However, more configuration of the IBM HTTP Server and administration server is possible through configuration files that are in the `conf` directory of the web server.