IBM WebSphere Application Server V8 lab: Installation

Scenario

As a system administrator, you need to create reusable response files for silently installing and uninstalling WebSphere Application Server V8 and verify that they work properly.

For more information about installation, see the following information center topic: **Installing and configuring your application serving environment**

Goals

During this lab, you will learn to do the following:

1. Silently install IBM Installation Manager (IM).

2. Record a response file to silently install WebSphere Application Server.

3. Record a response file to silently uninstall WebSphere Application Server.

4. Install WebSphere Application Server silently.

5. Uninstall WebSphere Application Server silently.

This lab is provided **AS-IS**, with no formal IBM support.

Prerequisites

You will need the following to complete this lab:

- A single Windows or UNIX/Linux machine suitable for hosting WebSphere Application Server V8. For more information, see the information center topic **Installing and configuring your application serving environment**.

- An administrator account on the host machine. For information about using a non-administrative (non-root) account to install IM and WebSphere Application Server, see the information center topic **Installing and configuring your application serving environment**.

- Installation files for IBM Installation Manager (IM) V1.4.3 or later. Instructions and downloads are available on the IBM support site.

- Access to an IM repository containing the WebSphere Application Server V8 installation files. The repository can be located on the target machine, a network drive, a web server, or IBM Passport Advantage.

Task 1: Silently install IBM Installation Manager

1. Use a suitable archiving utility to extract the IM installation files to an empty directory on your machine.

2. Open a command prompt and change to the directory that contains the IM installation files. Then run the following command to silently install IM:

Windows
```
installc -acceptLicense
```

UNIX/Linux
```
./installc -acceptLicense
```

Task 2: Record a response file to silently install WebSphere Application Server V8

1. Open a command prompt and change to the directory that contains the IBM Installation Manager (IM) executables, for example,

Windows
```
C:\Program Files\IBM\Installation Manager\eclipse
```

UNIX/Linux
```
/opt/IBM/Installation Manager/eclipse
```

2. Run the following command to start IM in response file recording mode:

Windows
```
IBMIM -record C:\temp\install_was.xml -skipInstall C:\temp\imregistry
```

UNIX/Linux
```
./IBMIM -record /tmp/install_was.xml -skipInstall /tmp/imregistry
```

Notes
- `install_was.xml` is the name of the installation response file.
- The `-skipInstall` parameter instructs IM to perform a mock install, saving the installation metadata to an alternate (temporary) location.
- After IM appears, the window title should include the text *Recording*.

3. After IM starts, do the following:

a. Click *File > Preferences*. Then click **Repositories**.

b. Click **Add Repository**. Then enter or select the location of an IM repository that contains the WebSphere Application Server V8 installation files. The repository can be located on the target machine, a network drive, a web server, or IBM Passport Advantage.

Click **OK**.

c. Explore the other IM preferences.

d. Click **OK** to save your changes and close the IM Preferences window.

4. Click **Install**. Within the installation wizard, do the following:

    a. Select the appropriate version of WebSphere Application Server.

    b. Accept the terms of the license agreement.

    c. Accept the default shared resources directory.

    d. Accept the default product installation directory.

    e. If necessary, change the language selection.

    f. Select all WebSphere Application Server features.

    g. Review the installation summary information. Then click **Install** to record the response file. Since you are not actually installing WebSphere Application Server, the installation should complete in a few seconds.

    h. After the installation completes, click **Finish** to close the installation wizard.

5. Click **File > Exit** to close IM.

6. Use a text editor to view the resulting installation response file,

Windows
```
C:\temp\install_was.xml
```

UNIX/Linux
```
/tmp/install_was.xml
```

Notice that the response file includes all of the settings defined by the IM installation wizard, and the current IM preferences.

Task 3: Record a response file to silently uninstall WebSphere Application Server V8

1. Open a command prompt and change to the directory that contains the IBM Installation Manager (IM) executables, for example,

Windows
```
C:\Program Files\IBM\Installation Manager\eclipse
```

UNIX/Linux
```
/opt/IBM/Installation Manager/eclipse
```

2. Run the following command to start IM in response file recording mode:

Windows
```
IBMIM -record C:\temp\uninstall_was.xml -skipInstall C:\temp\imregistry
```

UNIX/Linux
```
./IBMIM -record /tmp/uninstall_was.xml -skipInstall /tmp/imregistry
```

3. Click **Uninstall**. Within the uninstallation wizard, do the following:

      a. Select the WebSphere Application Server V8 installation (packages).

      b. Review the uninstallation summary information. Then click **Uninstall** to record the response file.

      c. After the uninstallation completes, click **Finish** to close the uninstallation wizard.

4. Click **File > Exit** to close IM.

5. Use a text editor to view the resulting uninstallation response file,

Windows
```
C:\temp\uninstall_was.xml
```

UNIX/Linux
```
/tmp/uninstall_was.xml
```

Notice that the response file includes all of the settings defined by the IM uninstallation wizard, and the current IM preferences.

Task 4: Install WebSphere Application Server V8 silently

1. Open a command prompt and change to the IM tools directory, for example,

Windows
```
C:\Program Files\IBM\Installation Manager\eclipse\tools
```

UNIX/Linux
```
/opt/IBM/Installation Manager/eclipse/tools
```

2. Run the following command to install WebSphere Application Server V8 silently (utilizing the previously recorded response file):

Windows
```
imcl -acceptLicense -input C:\temp\install_was.xml -log C:\temp\install_was.log
```

UNIX/Linux
```
./imcl -acceptLicense -input /tmp/install_was.xml -log /tmp/install_was.log
```

3. After the installation completes, use a text editor to view the resulting log file, for example,

Windows
```
C:\temp\install_was.log
```

UNIX/Linux
```
/tmp/install_was.log
```

(If the result area of the file is empty, the installation was successful.)

4. View the WebSphere Application Server V8 product directories, for example,

Windows
```
C:\Program Files\IBM\WebSphere\AppServer
```

UNIX/Linux
```
/opt/IBM/WebSphere/AppServer
```

Task 5: Uninstall WebSphere Application Server V8 silently

1. Open a command prompt and change to the IM tools directory, for example,

Windows
```
C:\Program Files\IBM\Installation Manager\eclipse\tools
```

UNIX/Linux
```
/opt/IBM/Installation Manager/eclipse/tools
```

2. Run the following command to uninstall WebSphere Application Server V8 silently (utilizing the previously recorded response file):

Windows
```
imcl -input C:\temp\uninstall_was.xml -log C:\temp\uninstall_was.log
```

UNIX/Linux
```
./imcl -acceptLicense -input /tmp/uninstall_was.xml -log /tmp/uninstall_was.log
```

3. After the installation completes, use a text editor to view the resulting log file, for example,

Windows
```
C:\temp\uninstall_was.log
```

UNIX/Linux
```
/tmp/uninstall_was.log
```

4. Delete the WebSphere Application Server V8 product installation directories, for example,

Windows
```
C:\Program Files\IBM\WebSphere\AppServer
```

UNIX/Linux
```
/opt/IBM/WebSphere/AppServer
```