

## OA08670 Readme

### Installation of NV4IP 1.5 On WAS 5.1 + WINNT/2K/XP Platform

The procedures involved in installing NV4IP 1.5 on WAS 5.1, include the following:

- Deploy nvip.war file using WAS admin console
- Start NV4IP service
- Update Web Server Plugin Configuration
- Set JVM Variables
- Customization of httpd.conf
- Save Changes and Recycle WAS and Web Server

#### **Procedure 1** Deploy nvip.war file using WAS admin console

Step 1.1 Access the WAS admin console from your web browser via:

*http://your.server.name:9090/admin/*

The WebSphere Administrative Console screen appears. (Figure 01)



**Figure 01 - WebSphere Administrative Console**

Step 1.2 Login with your user ID.

Step 1.3 From the navigation tree, click the Applications->Install New Applications tab, located under the WAS 5 admin console.

Step 1.4 Enter the file pathname of the nvip.war file into the “Local Path” field, and enter “nvip” into the “Context Root” field.

**WebSphere** Application Server **Administrative Console**  
Version 5

Home | Save | Preferences | Logout | Help

User ID: stte

qa4

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### Preparing for the application installation

Specify the EAR/WAR/JAR module to upload and install.

|               |   |   |
|---------------|---|---|
| Path:         | Browse the local machine or a remote server:  | <i>i</i> Choose the local path if the ear resides on the same machine as the browser. Choose the server path if the ear resides on any of the nodes in your cell context. |
|               | <input checked="" type="radio"/> Local path:<br><input type="text" value="d:/nvip.war"/> <input type="button" value="Browse..."/> |   |
|               | <input type="radio"/> Server path:<br><input type="text"/>  |   |
| Context Root: | Used only for standalone Web modules (*.war)<br><input type="text" value="nvip"/>   | <i>i</i> You must specify a context root if the module being installed is a WAR module.   |

Figure 02 - Preparing for the Application Installation screen Pg 1 of 2

Step 1.5 Click Next. The second *Preparing for the Application Installation* screen appears.

**WebSphere** Application Server **Administrative Console**  
Version 5

Home | Save | Preferences | Logout | Help

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### Preparing for the application installation

You can choose to generate default bindings and mappings. *i*

|  |  |  |
|--|--|--|
| <input type="checkbox"/> Generate Default Bindings |  |  |
| Override:  | <input checked="" type="radio"/> Do not override existing bindings<br><input type="radio"/> Override existing bindings   | <i>i</i> Generate default bindings for existing entries and over write them. |
| Virtual Host                                       | <input type="radio"/> Do not default virtual host name for web modules<br><input checked="" type="radio"/> Default virtual host name for web modules:<br><input type="text" value="default_host"/> | <i>i</i> The virtual host to be used for this web module.                    |
| Specific bindings file:                            | <input type="text"/> <input type="button" value="Browse..."/>  | <i>i</i> Optional location of pre-defined bindings file.                     |

Figure 03 - Preparing for the Application Installation screen Pg 2 of 2

Step 1.6 Follow the on-screen instructions and take the default values for all the parameters.

Step 1.7 Continually click “Next” or “Continue” to accept all default parameters.

Step 1.8 Click “Finish” to complete the installation process.

Step 1.9 Click “Save to Master Configuration” then click “Save” to save changes.

## Procedure 2 Start NV4IP service

Once the war file has been deployed, the NV4IP service must be started.

Step 2.1 Click the Applications->Enterprise Applications tab, using the admin console, from the navigation tree. The Enterprise Applications screen appears.

**WebSphere** Application Server **Administrative Console**  
Version 5

Home | Save | Preferences | Logout | Help

User ID: stte

qa4

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**Message(s)**

Application nvip\_war on server server1 and node qa4 stopped successfully

**Enterprise Applications**

A list of installed applications. A single application can be deployed onto multiple servers.

Total: 9

Filter

Preferences

Start Stop Install Uninstall Update Export Export DDL

| <input type="checkbox"/> | Name                               | Status |
|--------------------------|------------------------------------|--------|
| <input type="checkbox"/> | <a href="#">DefaultApplication</a> | +      |
| <input type="checkbox"/> | <a href="#">PlantsByWebSphere</a>  | +      |
| <input type="checkbox"/> | <a href="#">SamplesGallery</a>     | +      |
| <input type="checkbox"/> | <a href="#">TechnologySamples</a>  | +      |
| <input type="checkbox"/> | <a href="#">WebServicesSamples</a> | +      |
| <input type="checkbox"/> | <a href="#">adminconsole</a>       | +      |
| <input type="checkbox"/> | <a href="#">ivtApp</a>             | +      |
| <input type="checkbox"/> | <a href="#">nvip_war</a>           | X      |
| <input type="checkbox"/> | <a href="#">petstore</a>           | +      |

**WebSphere Status**

< Previous Next >

August 3, 2004 11:06:09 AM PDT

**WebSphere Runtime Messages**

Total All Messages: 323

2 new, 2 total

0 new, 0 total

321 new, 321 total

Clear All

Preferences

Figure 04. WebSphere Enterprise Applications screen

Step 2.2 Check the row, marked nvip\_war and click “Start” to start NV4IP. The status column should now indicate that the NV4IP service has been started and is now active.

### Procedure 3 Update Web Server Plugin Configuration

Step 3.1 Using the WAS admin console, from the navigation tree click Environment->Virtual Hosts->*default\_host*->Host Aliases.

Step 3.2 Verify the following Host Aliases exist:

**Table 48:** Host Aliases

| Host Name | Port |
|-----------|------|
| *         | 9080 |
| *         | 9443 |
| *         | 80   |

Step 3.3 If there are missing entries, click “New” to create a new Host Alias with the appropriate Hostname and Port settings.

Step 3.4 Click Save.

Step 3.5 From the navigation tree, click Servers->Application Servers  
->*server\_name*->Web Container->HTTP Transports.

Step 3.6 Verify the following HTTP Transports exist:

**Table 49:** HTTP Transports

| Host Name        | Port | SSL      |
|------------------|------|----------|
| <i>localhost</i> | 9080 | disabled |
| <i>localhost</i> | 9443 | enabled  |

Step 3.7 If there are missing entries, click “New” to create a new Http Transport with the appropriate Host, Port, and SSL settings.

Step 3.8 Click Save.

Step 3.9 From the navigation tree, click Environment->Update Web Server Plugin.

Step 3.10 Click “OK” to update the Web Server Plugin Configuration file: plugin-cfg.xml.

## Procedure 4 Set JVM Variables

Step 4.1 Using the WAS admin console, from the navigation tree, click Servers  
->Application Servers->*server\_name*-> Process Definition->Servant  
->Java Virtual Machine.

Step 4.2 Enter the following into the Generic JVM Arguments field:

```
-Xbootclasspath/a:"$WAS_INSTALL_HOME/AppServer/installedApps/$CPU_NAME/nvip_war.ear/nvip.war  
/WEB-INF/lib/pja.jar -Djava.awt.fonts=c:/WINNT/fonts -Duser.home=$WAS_INSTALL_HOME/AppServer  
/Java
```

The above should have been entered as one statement

- \$WAS\_INSTALL\_HOME refers to the directory in which IBM WebSphere Application Server is installed; for example, C:\Program Files\WebSphere in Windows, and /opt/WebSphere on UNIX.
- \$CPU\_NAME refers to the user defined machine name of the IBM WebSphere Application Server

Step 4.3 Click OK to apply the setting.

Step 4.4 Click Save to save the configuration changes.

## **Procedure 5** Customization of httpd.conf

It is assumed that IBM HTTP Web Server has been configured and is running prior to installation of NV4IP.

Step 5.1 Add/update the following directives to the httpd.conf configuration file to provide HTTP server with the entry point for Application Server's plugin initialization, request processing and termination.

Step 5.2 Verify that the WebSphere Application Server configuration file (was.conf), specified on the ServerInitstatement, contains the directives needed for NV4IP. This is described in Appendix C of the Installation guide.



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**For a description of these configuration directives, refer to HTTP Server Planning, Installing, and Using.**

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**Procedure 6 Save Changes and Recycle WAS and Web Server**

Step 6.1 Save all configuration changes made to WAS.

Step 6.2 Recycle both the WAS and HTTP Web Server. Afterwards, you may access NV4IP from your web browser via:

*<http://your.server.name/nvip/jsp/logon.jsp>*