

ASF 3.3 with IMS Document Connect for ASF

Installation on z/OS Server
Using WebSphere Application Server V5.1

Server-to-Host Connection using
IMS Connect

Edition: 1.1

31 March 2005

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1 Prerequisites

1. WebSphere Application Server (WAS) V5.1 has been installed, is operational, and has been started

Note: The installation path is assumed to be
/local/WebSphere/V5R1M0

2. IBM HTTP Server (Version 1.3.26 or later) has been installed, is operational, and has been started

Note: The installation path is assumed to be
/etc

3. IMS Connect has been installed and the connections to the host (IMS) are available. IMS Connector for Java (runtime portion for z/OS) has been installed.

Note: The IMS Connector for Java installation path is assumed to be
/local/IMCN210

4. Document Connect for ASF (DC4ASF) has been installed in the following directory:

path_prefix/[usr/lpp/fsn/V3R3M0W5](#)

where path_prefix is assumed to be null

5. The following PTFs are required:

<u>PTF #</u>	<u>FMID</u>	<u>Rel.</u>
UQ93059	HSF1300	300
UQ93246	JSF1310	310
UQ93247	JSF1311	311
UQ93248	JSF1312	312
UQ93249	JSF1313	313
UQ93257	JSF1314	314
UQ93263	JSF1315	315
UQ93264	JSF1317	317
UQ93267	JSF1318	318
UQ93268	JSF1319	319

2 Name Space Bindings

Two name space bindings must be created. To do this, open the WebSphere Administrative Console:

Open [Environment](#) > [Naming](#) > [Name Space Bindings](#)

Note: Ensure you are in the Server scope.

2.1 Define Name Space Binding for DC4ASFINST

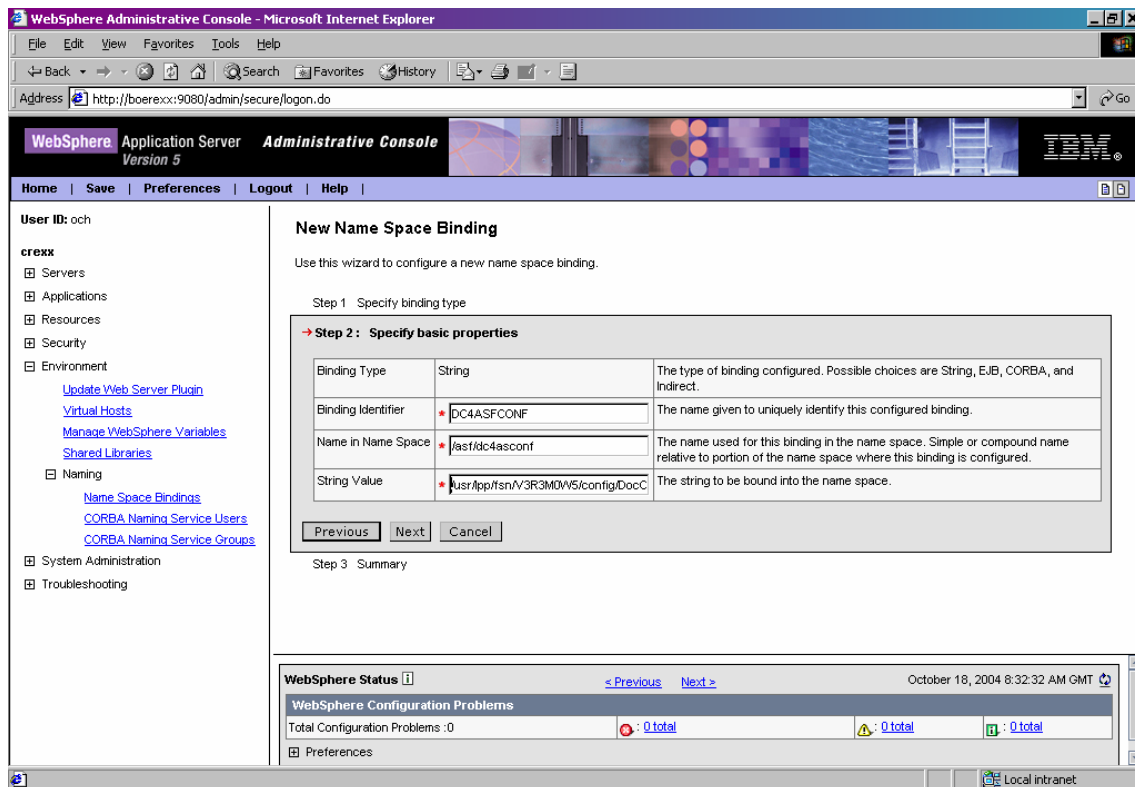
- a) Select **New** to create a new Binding
- b) Choose type **String** for the binding and select **Next**
- c) Enter
 - the Binding Identifier
(for example DC4ASFINST)
 - Name in Name Space
(for example resources/asf/dc4asfinst)
 - and the path to your ASF installation directory
(/usr/lpp/fsn/V3R3M0W5)
- d) Select **Next** to go to the Summary Panel
- e) In the Summary Panel select **Finish** to complete the Name Space Binding.

The screenshot shows the WebSphere Administrative Console interface. The main content area displays the 'New Name Space Binding' wizard. The wizard is currently at Step 2: Specify basic properties. The Binding Type is String. The Binding Identifier is DC4ASFINST. The Name in Name Space is /asf/dc4asfinst. The String Value is /usr/lpp/fsn/V3R3M0W5. The wizard is at Step 3: Summary.

Property	Value	Description
Binding Type	String	The type of binding configured. Possible choices are String, EJB, CORBA, and Indirect.
Binding Identifier	DC4ASFINST	The name given to uniquely identify this configured binding.
Name in Name Space	/asf/dc4asfinst	The name used for this binding in the name space. Simple or compound name relative to portion of the name space where this binding is configured.
String Value	/usr/lpp/fsn/V3R3M0W5	The string to be bound into the name space.

2.2 Define Name Space Binding for DC4ASFCONF

- a) Select **New** to create a new Binding
- b) Choose type **String** for the binding and select **Next**
- c) Enter
 - the Binding Identifier
(for example DC4ASFCONF),
 - Name in Name Space
(for example resources/asf/dc4asfconf)
 - and the path to your ASF configuration file
(/usr/lpp/fsn/V3R3M0W5/config/DocConfiguration.xml)
- d) Select **Next** to go to the Summary Panel
- e) On the Summary Panel select **Finish** to complete the Name Space Binding.



Save the two name space bindings created in the master configuration.

3 Installation of the application

Preparing for the application installation

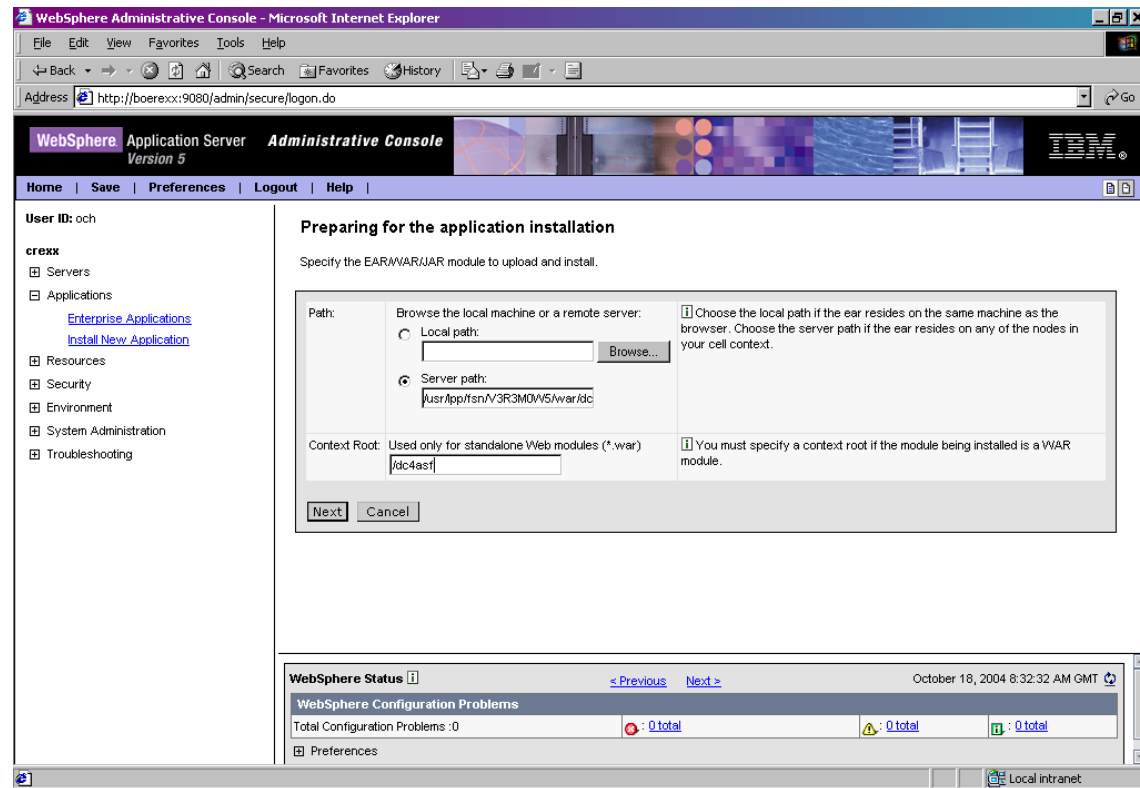
Open [Application](#) > [Install New Application](#)

Enter the path (local path or server path) where the DC4ASF war file is located:

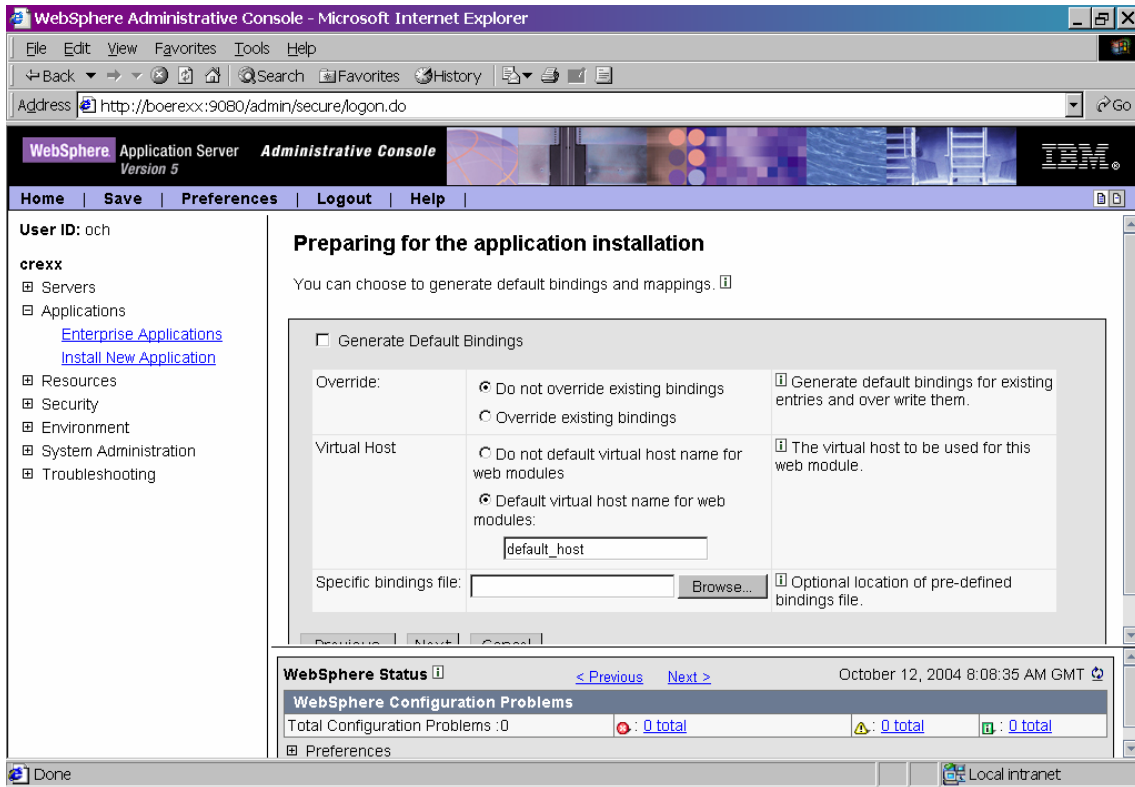
`/usr/lpp/fsn/V3R3M0W5/war/dc4asf.war`

Enter the context root, for example “/dc4asf”

Select [Next](#). The file “dc4asf.war” is now loaded on the server



Select [Next](#).



Select [Next](#).

Install new application (Step 1)

Fill in the required fields (installation directory, application name, class reloading).

Installation directory:

If you do not enter an installation directory, WAS will install the application under the default directory:

APP_INSTALL_ROOT/xxxxx/dc4asf.ear

where

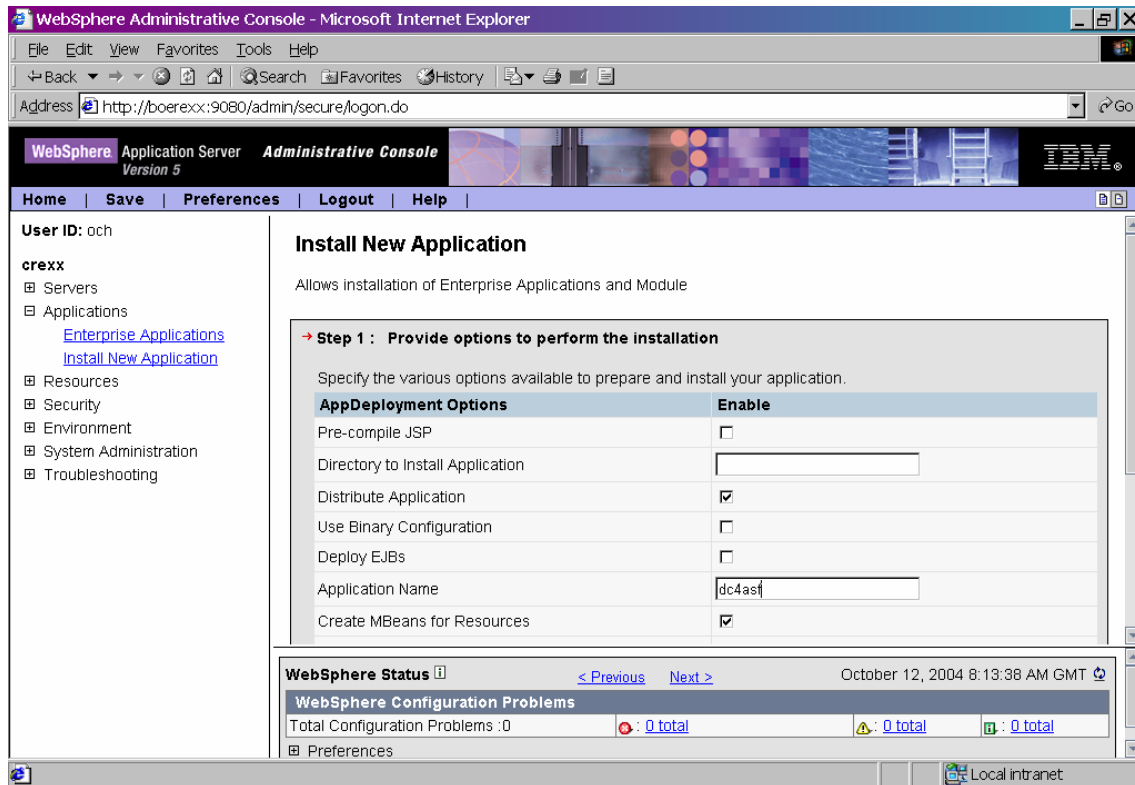
- APP_INSTALL_ROOT is a path map variable which by default is set to
/SYSTEM/local/WebSphere/V5R1M0/AppServer/installedApps/
- 'xxxxx' is the cell name and
- 'dc4asf' is the application name.

Application Name:

Specify a unique name, for example 'dc4asf'.

Class Reloading:

Specify a value in seconds, for example '30'.



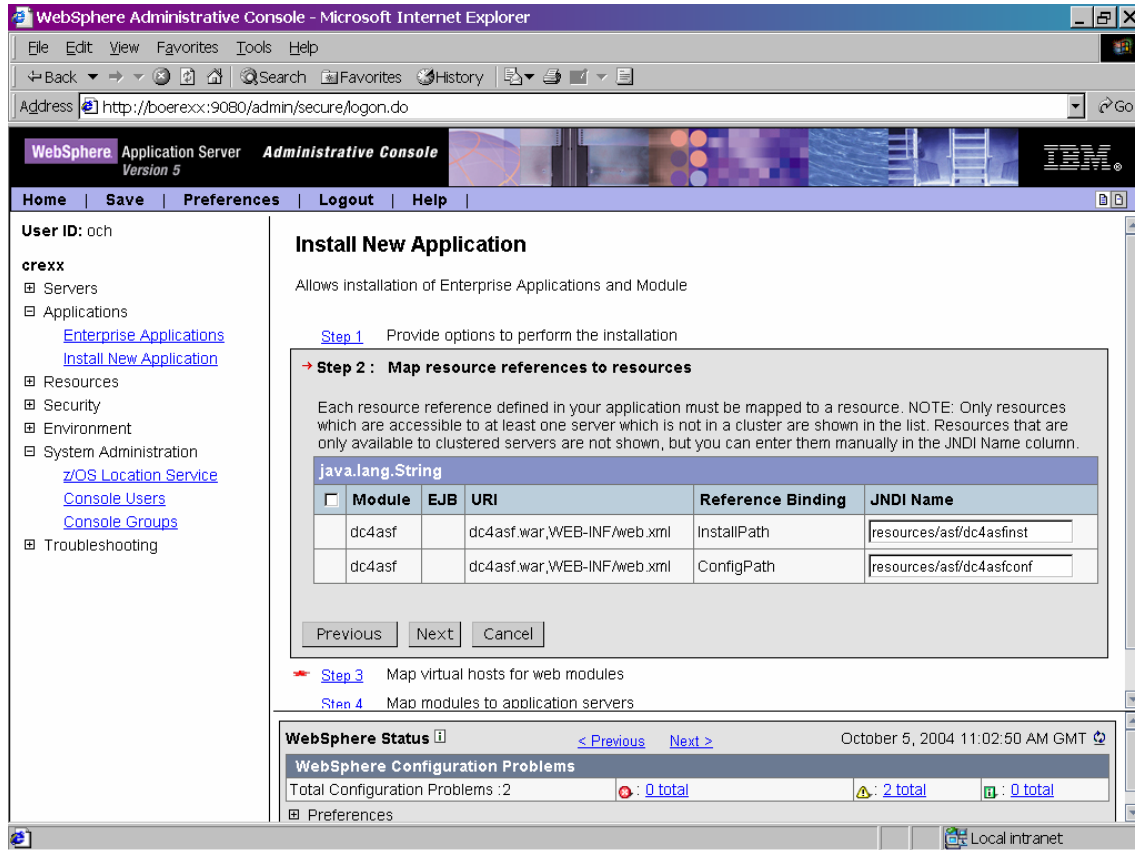
The screenshot shows the WebSphere Administrative Console interface in a Microsoft Internet Explorer browser window. The address bar shows the URL: http://boerexx:9080/admin/secure/logon.do. The console title is "WebSphere Administrative Console - Microsoft Internet Explorer". The main content area is titled "Install New Application" and includes a sub-header "Step 1: Provide options to perform the installation". Below this, there is a table for "AppDeployment Options" with columns for the option name and an "Enable" checkbox. The "Application Name" field is filled with "dc4asf".

AppDeployment Options	Enable
Pre-compile JSP	<input type="checkbox"/>
Directory to Install Application	<input type="text"/>
Distribute Application	<input checked="" type="checkbox"/>
Use Binary Configuration	<input type="checkbox"/>
Deploy EJBs	<input type="checkbox"/>
Application Name	<input type="text" value="dc4asf"/>
Create MBeans for Resources	<input checked="" type="checkbox"/>

Select [Next](#) to finish Step 1 and go to Step 2.

Install new application (Step 2)

Enter **resources/asf/dc4asfinst** for the InstallPath Reference Binding (JNDI Name) and **resources/asf/dc4asfconf** for the ConfigPath Reference Binding (see “Name Space Bindings”).



The screenshot shows the WebSphere Administrative Console interface. The browser address bar displays `http://boerexx:9080/admin/secure/login.do`. The console title is "WebSphere Administrative Console - Microsoft Internet Explorer". The main content area is titled "Install New Application" and includes a navigation menu on the left with options like "Servers", "Applications", "Resources", "Security", "Environment", "System Administration", and "Troubleshooting". The main content area shows the "Step 2: Map resource references to resources" wizard. It includes a table for mapping resource references to resources, with columns for "Module", "EJB", "URI", "Reference Binding", and "JNDI Name". The table contains two rows for the "dc4asf" module, one for "InstallPath" and one for "ConfigPath". Below the table are "Previous", "Next", and "Cancel" buttons. The "Next" button is highlighted in pink. At the bottom of the console, there is a "WebSphere Status" section showing "Total Configuration Problems :2" with a red circle icon for 0 total and a yellow triangle icon for 2 total.

Install New Application
Allows installation of Enterprise Applications and Module

[Step 1](#) Provide options to perform the installation

→ Step 2: Map resource references to resources

Each resource reference defined in your application must be mapped to a resource. NOTE: Only resources which are accessible to at least one server which is not in a cluster are shown in the list. Resources that are only available to clustered servers are not shown, but you can enter them manually in the JNDI Name column.

<input type="checkbox"/>	Module	EJB	URI	Reference Binding	JNDI Name
<input type="checkbox"/>	dc4asf		dc4asf.war,WEB-INF/web.xml	InstallPath	resources/asf/dc4asfinst
<input type="checkbox"/>	dc4asf		dc4asf.war,WEB-INF/web.xml	ConfigPath	resources/asf/dc4asfconf

[Previous](#) [Next](#) [Cancel](#)

Step 3 Map virtual hosts for web modules

Step 4 Map modules to application servers

WebSphere Status [< Previous](#) [Next >](#) October 5, 2004 11:02:50 AM GMT

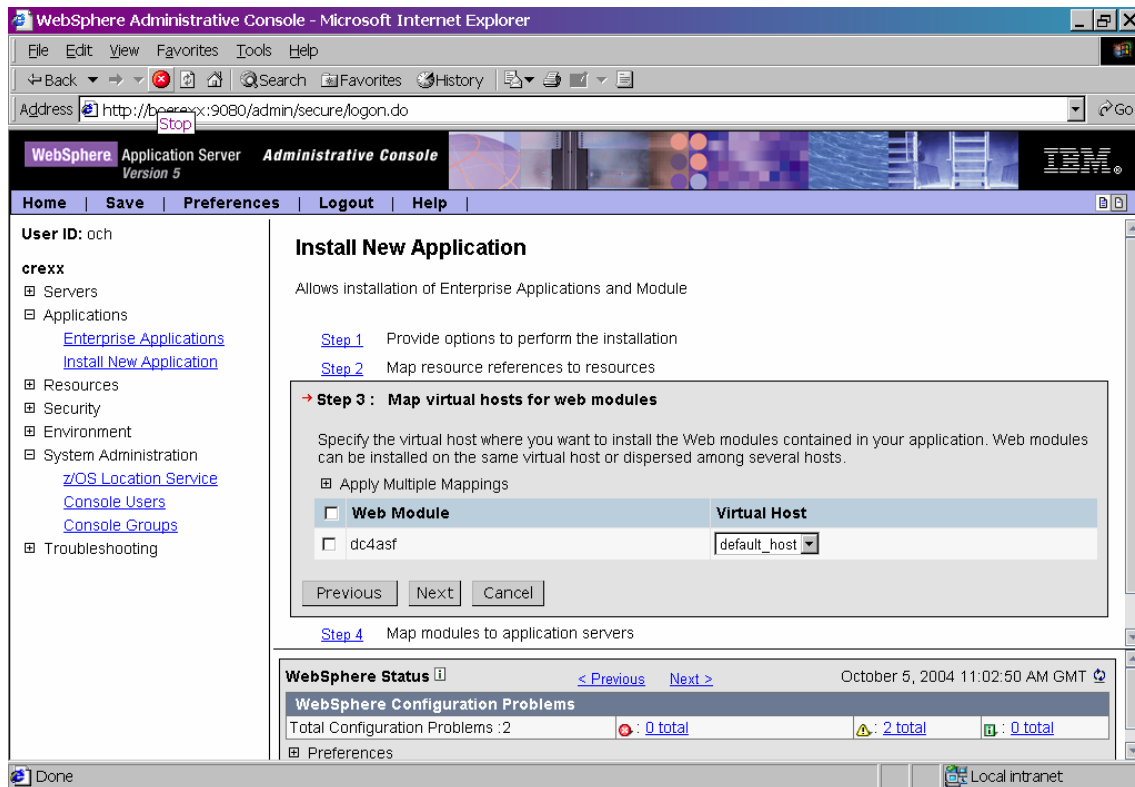
WebSphere Configuration Problems

Total Configuration Problems :2 ● : 0 total ▲ : 2 total ■ : 0 total

[Preferences](#)

Select [Next](#) to finish Step 2 and go to Step 3.

Install new application (Step 3)



No updates are required for Step 3. Select [Next](#) to finish Step 3 and go to Step 4.

Install new application (Step 4)

The screenshot shows the WebSphere Administrative Console interface in a Microsoft Internet Explorer browser window. The address bar shows the URL `http://boerexx:9080/admin/secure/logon.do`. The page title is "WebSphere Administrative Console - Microsoft Internet Explorer". The browser menu includes File, Edit, View, Favorites, Tools, and Help. The address bar has Back, Forward, Home, Search, Favorites, History, and Go buttons.

The console interface has a navigation bar with "Home", "Save", "Preferences", "Logout", and "Help". The user ID is "och". The left sidebar shows a tree view with "crexx" expanded, containing "Servers", "Applications" (with sub-links for "Enterprise Applications" and "Install New Application"), "Resources", "Security", "Environment", "System Administration" (with sub-links for "z/OS Location Service", "Console Users", and "Console Groups"), and "Troubleshooting".

The main content area is titled "Install New Application" and includes the following steps:

- [Step 1](#) Provide options to perform the installation
- [Step 2](#) Map resource references to resources
- [Step 3](#) Map virtual hosts for web modules
- Step 4 : Map modules to application servers**

Under Step 4, the text reads: "Specify the application server where you want to install modules contained in your application. Modules can be installed on the same server or dispersed among several servers." Below this is a text input field containing "WebSphere:cell=crexx,node=nrexx,server=server1" and an "Apply" button.

Below the input field is a table with the following data:

<input type="checkbox"/>	Module	URI	Server
<input type="checkbox"/>	dc4asf	dc4asf.war,WEB-INF/web.xml	WebSphere:cell=crexx,node=nrexx,server=server1

At the bottom of the console, there is a "WebSphere Status" section with "< Previous" and "Next >" navigation links, and a timestamp of "October 5, 2004 11:02:50 AM GMT". Below this is a "WebSphere Configuration Problems" section showing "Total Configuration Problems :2" with a red circle icon, "0 total" with a red circle icon, "2 total" with a yellow triangle icon, and "0 total" with a green square icon. There is also a "Preferences" link.

No updates are required for Step 4. Select [Next](#) to finish Step 4 and go to Step 5.

Install new application (Step 5)

The screenshot shows the WebSphere Administrative Console interface in a Microsoft Internet Explorer browser window. The address bar shows the URL <http://boerexx:9080/admin/secure/logon.do>. The page title is "WebSphere Administrative Console - Version 5". The navigation menu includes Home, Save, Preferences, Logout, and Help. The left sidebar shows the user ID "och" and a tree view of the console structure, including Servers, Applications, Resources, Security, Environment, System Administration, and Troubleshooting. The main content area is titled "Install New Application" and contains the following text:

Allows installation of Enterprise Applications and Module

- [Step 1](#) Provide options to perform the installation
- [Step 2](#) Map resource references to resources
- [Step 3](#) Map virtual hosts for web modules
- [Step 4](#) Map modules to application servers

The current step is "Step 5: Summary", which displays a "Summary of Install Options" table:

Options	Values
Distribute Application	Yes
Use Binary Configuration	No
Cell/Node/Server	Click here
Enable Class Reloading	No
Create MBeans for Resources	Yes
Deploy EJBs	No

At the bottom of the console, the "WebSphere Status" section shows the date and time as "October 5, 2004 11:07:51 AM GMT" and a "WebSphere Runtime Messages" section with a "Clear All" button. The messages section displays: "Total All Messages: 0", "0 new, 0 total", "0 new, 0 total", and "0 new, 0 total".

Check the settings on this page and select **Finish** to start the installation of your application. When the installation of the application has been completed it must be **saved** in the master configuration.

Start the application

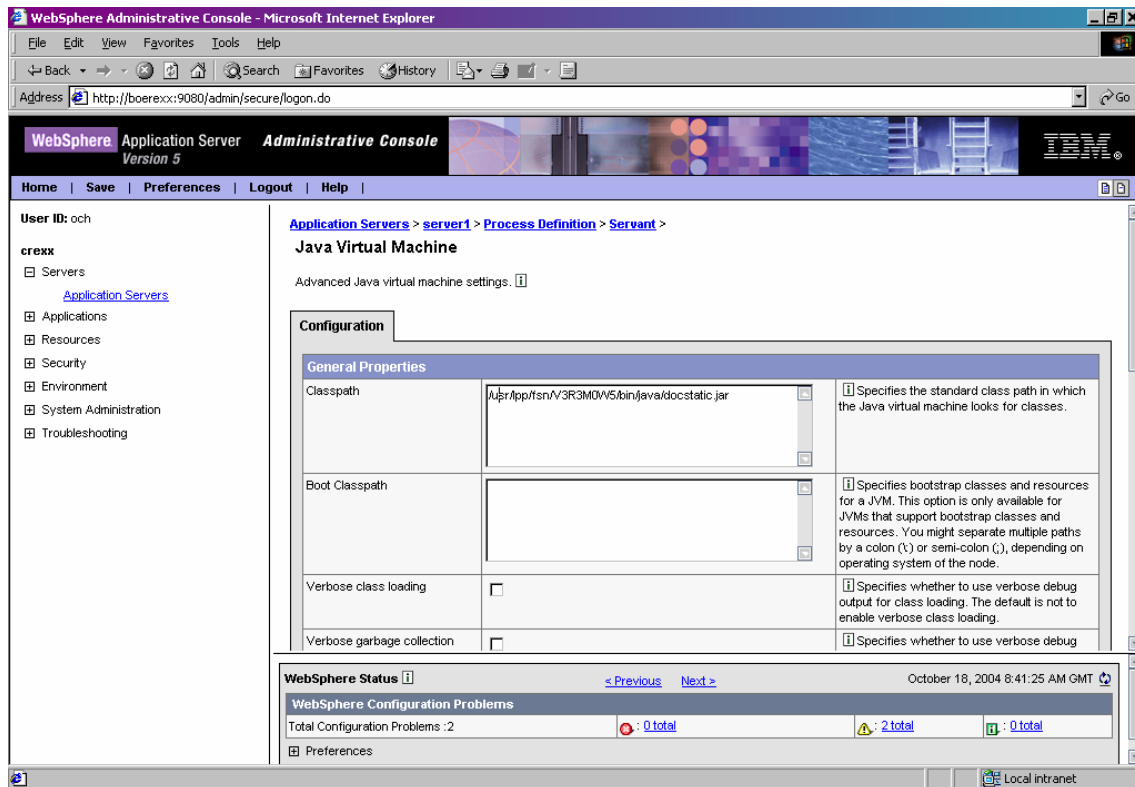
Open [Applications](#) > [Enterprise Application](#), select your application dc4asf, and select **Start** to start the application.

4 Spellcheck Installation

To activate spell check you must set the Classpath variable and define a LIBPATH variable to the WAS environment.

Open [Servers](#) > [Application Servers](#) > *server name* > [Process Definition](#) > [Servant](#) > [Java Virtual Machine](#)

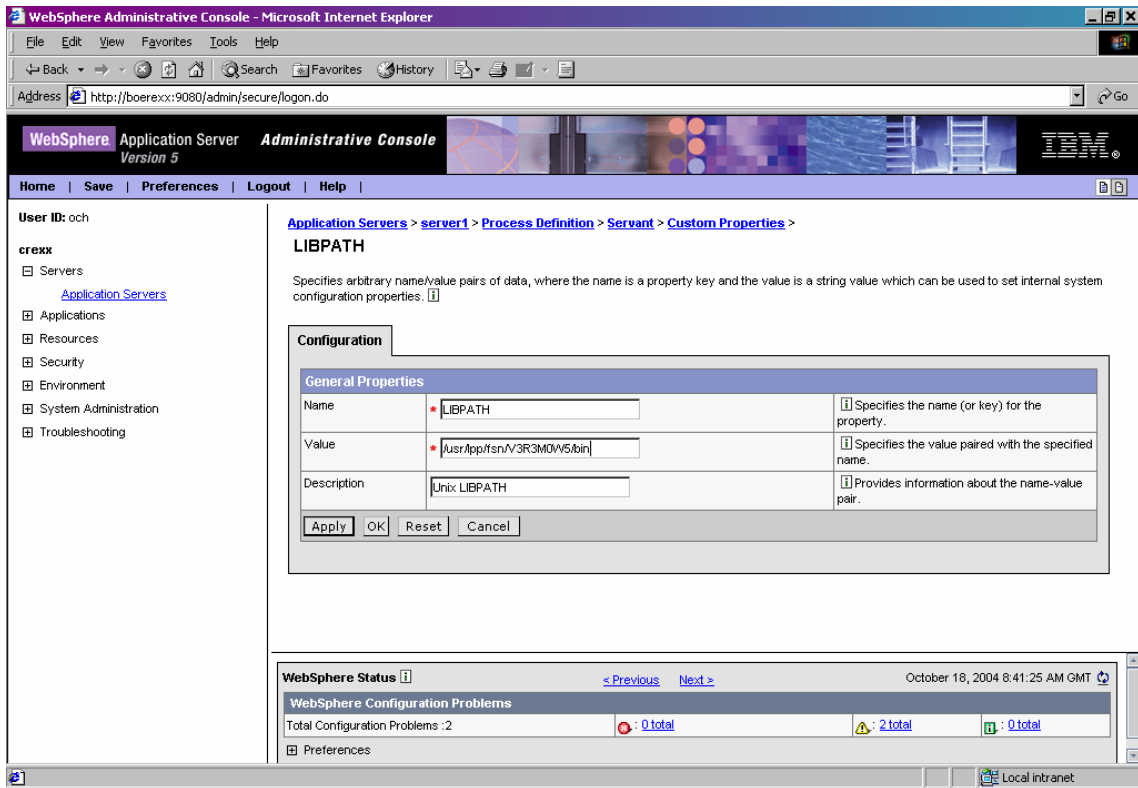
Add the file *docstatic.jar* delivered with DC4ASF to the Classpath (/usr/lpp/fsn/V3R3M0W5/bin/java/docstatic.jar).



Select [Apply](#) first and then select [OK](#).

Open [Servers](#) > [Application Servers](#) > *server name* > [Process Definition](#) > [Servant](#) > [Environment Entries](#)

Create the variable **LIBPATH**. Set its value to the Document Connect for ASF shared library path (/usr/lpp/fsn/V3R3M0W5/bin).



Select [Apply](#) first and then select [OK](#).

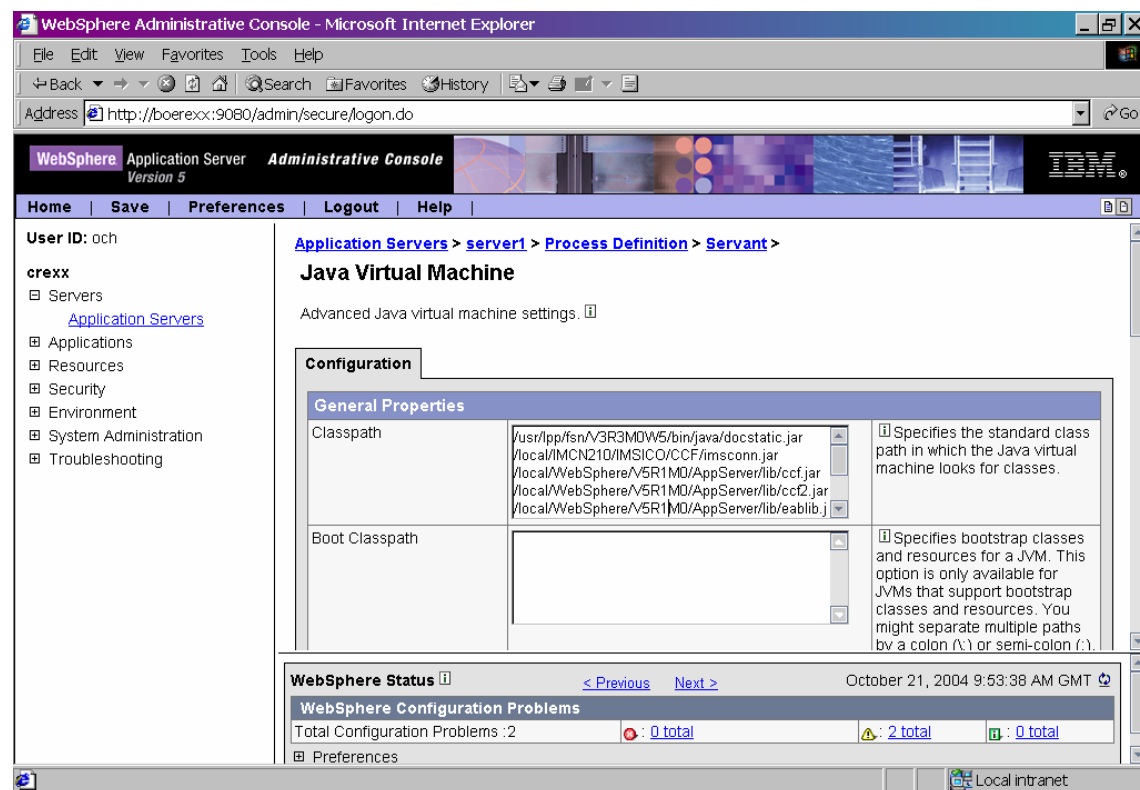
[Save](#) the changes to the master configuration.

5 Enable IMS Connect

To enable the IMS Connect connection between server and host you must change the Classpath variable in the WAS environment.

Open [Servers](#) > [Application Servers](#) > *server name* > [Process Definition](#) > [Servant](#) > [Java Virtual Machine](#)

Add the file [imscconn.jar](#) delivered with the IMS Connector for Java and the files [ccf.jar](#), [ccf2.jar](#), [recjava.jar](#) and [eablib.jar](#) delivered with WAS to the classpath (e.g. `/local/IMCN210/IMSICO/CCF/imscconn.jar` and `/local/WebSphere/V5R0M0/AppServer/lib/ccf.jar`)



Select [Apply](#) first and then select [OK](#).

[Save](#) the changes to the master configuration.

After modifying the variable Classpath, you must stop and restart WebSphere Application Server.

6 HTTP Server Changes

Configure the WebSphere PLUGIN

Using Shared Object library "ihs390WAS50Plugin_http.so"

Make sure you have installed the Shared Object (SO) library [ihs390WAS50Plugin_http.so](#). This SO is usually installed with WAS by selecting the HTTP server installation. It resides in the bin directory of the WAS.

Modify the configuration file "plugin-cfg.xml"

Generate the plugin configuration file "plugin-cfg.xml" using the WebSphere Administrative Console:

Open [Environment](#) > [Update Web Server Plugin](#)

Select **OK** to generate the file [plugin-cfg.xml](#) .

Note: Usually the xml file is placed in the config/cells directory of the IBM WebSphere Application Server installation.

Copy the file "plugin-cfg.xml" into the "conf" directory of the IBM HTTP Server. Open the copy with an editor and modify it as follows:

a) Locate the following string (which may be customized with your installation values):

```
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/*"/>
```

Note:

dc4asf is the context root as described in "Preparing for the application installation".

b) Insert the text string "servlet/" before the asterisk:

```
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/servlet/*"/>
```

c) Add the following lines after the line specified in b) above:

```
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/html/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/xsl/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/javascript/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/java/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/css/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/preview/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/DocASFServerConfigServlet/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/DocASFNetworkConfigServlet/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/DocASFNetworkConfigProcessServlet/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asf/DocASFFileServlet/*"/>
```

Note:

You will find these lines in the file plugin-cfg.xml.add delivered with DC4ASF in the /install directory.

d) Save the file

Configure the IBM HTTP Server

You need to configure your IBM HTTP Server to run properly with DC4ASF. Proceed as follows:

a) Open the HTTP server configuration file "httpd.conf". Usually it is located in the conf directory of the HTTP server installation.

b) Add the following lines:

```
Service /dc4asf/servlet* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asf/DocASFFileServlet* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asf/DocASFServerConfigServlet* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asf/DocASFNetworkConfigServlet* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asf/DocASFNetworkConfigProcessServlet* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asf/html/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asf/xsl/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asf/javascript/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asf/java/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asf/css/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asf/preview/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
PASS /dc4asf/ [path_prefix]/usr/fsn/V3R3M0W5/www/*
PASS /dc4asf/transfer/* [path_prefix]/usr/fsn/V3R3M0W5/transfer/*
PASS /dc4asf/help/* [path_prefix]/usr/fsn/V3R3M0W5/www/help/*
PASS /dc4asf/helpconfig/* [path_prefix]/usr/fsn/V3R3M0W5/www/helpconfig/*
PASS /dc4asf/images/* [path_prefix]/usr/fsn/V3R3M0W5/www/images/*
PASS /dc4asf/custom/* [path_prefix]/usr/fsn/V3R3M0W5/www/custom/*
PASS /dc4asf/samples/* [path_prefix]/usr/fsn/V3R3M0W5/www/samples/*
```

Note:

You will find these lines in the file http.conf.add delivered with DC4ASF in the /install directory.

c) Restart the HTTP server to activate the changes.

7 Configure the Connections

To define the server-host connections in DocNetworkConfiguration.xml invoke the servlet application "DocASFNetworkConfigServlet" using the Microsoft Internet Explorer.

Specify your IMS name, port number and datastore name (as defined within IMS Connect), the IMS transaction code, the defined User ID used for IMS logon, and the corresponding password.

Press button **OK** to save your changes.

Note:

The password specified will be encrypted and stored in file "hnp.txt" in the /config subdirectory.

IMS Connect connection configuration	
Host nickname	Host connection data
sc1I7ic	Connection type: IMS
	Conversational IMS Processing: <input type="checkbox"/>
	IMS name: boerexx
	Port number: 6000
	Datastore name: IMS72
	XCode: SC1E
	User ID: IMSUser
	New Password: *****
	Confirm new password: *****

Stop and **Start** your application in the WebSphere Administrative Console.

8 Installing a second Application

The steps above describe how to install the application dc4asf in WebSphere Application Server.

IBM recommends that you generate a second application instance of Document Connect for ASF for use by administrators, for example “dc4asftest”.

To create another instance use the script “docinstusr” available in directory [/usr/lpp/fsn/V3R3M0W5/bin](#).

When running this script, specify an alternate installation path, for example

[/usr/fsn/V3R3M0W5/dc4asftest](#)

Then perform the following steps using the WebSphere Administrator Console:

1. Add two name space bindings as described in chapter “Name Space Bindings” with different values, for example:

Binding Identifier	DC4ASFINSTTEST
Name in Name Space	resources/asf/dc4asfintstest
Path	/usr/fsn/V3R3M0W5/dc4asftest

Binding Identifier	DC4ASFCONFTEST
Name in Name Space	resources/asf/dc4asfconfstest
Path	/usr/fsn/V3R3M0W5/dc4asftest/config/DocConfiguration.xml

2. Perform the steps described in “Installation of the application” with the following changes:

In the paragraph “Preparing for the application installation” specify the following path for the location of the war file:

[/usr/fsn/V3R3M0W5/dc4asftest/war/dcf4asf.war](#)

and specify the following for context root:

[/dc4asftest](#)

In the paragraph “Install new application (Step 1)”, use “[dc4asftest](#)” as the application name

In the paragraph “Install new application (Step 2)”, use the new name space bindings:

resources/asf/dc4asfintstest

resources/asf/dc4asfconfstest

Now perform the steps described in “HTTP Server Changes“ using the context root [/dc4asftest](#).

The file `plugin-cfg.xml` will then contain the following lines:

```
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/servlet/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/html/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/xsl/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/javascript/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/java/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/css/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/preview/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/DocASFServerConfigServlet/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/DocASFNetworkConfigServlet/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/DocASFNetworkConfigProcessServlet/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/DocASFFileServlet/*"/>
```

The file `http.conf` will then contain the following lines:

```
Service /dc4asftest/servlet* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asftest/DocASFFileServlet* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asftest/DocASFServerConfigServlet* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asftest/DocASFNetworkConfigServlet* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asftest/DocASFNetworkConfigProcessServlet* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asftest/html/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asftest/xsl/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asftest/javascript/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asftest/java/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asftest/css/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
Service /dc4asftest/preview/* /local/WebSphere/V5R1M0/bin/ihs390WAS50Plugin_http.so:service_exit
PASS /dc4asftest/ [path_prefix]/usr/fsn/V3R3M0W5/dc4asftest/www/*
PASS /dc4asftest/transfer/* [path_prefix]/usr/fsn/V3R3M0W5/dc4asftest/transfer/*
PASS /dc4asftest/help/* [path_prefix]/usr/fsn/V3R3M0W5/dc4asftest/www/help/*
PASS /dc4asftest/helpconfig/* [path_prefix]/usr/fsn/V3R3M0W5/dc4asftest/www/helpconfig/*
PASS /dc4asftest/images/* [path_prefix]/usr/fsn/V3R3M0W5/dc4asftest/www/images/*
PASS /dc4asf/custom/* [path_prefix]/usr/fsn/V3R3M0W5/dc4asftest/www/custom/*
PASS /dc4asf/samples/* [path_prefix]/usr/fsn/V3R3M0W5/dc4asftest/www/samples/*
```

9 Applying Maintenance

Use SMP/E to apply the PTF containing new tar file(s).
SMP/E will copy the tar file(s) into directory `/usr/lpp/fsn/V3R3M0W5/IBM` and will explode the content of the tar file(s) into `/usr/lpp/fsn/V3R3M0W5/config .../bin .../resources .../war ...` etc.

Use script file “docinstusr” available in directory `/usr/lpp/fsn/V3R3M0W5/bin` to apply the war file to appropriate application, for example `dc4asftest`.

Open the WebSphere Administrative Console:

[Open Application > Enterprise Application](#)

Select application “dc4asftest” and select [Update](#).

The screenshot shows the WebSphere Administrative Console interface. The main content area is titled "Enterprise Applications" and contains a table of installed applications. The table has columns for "Name" and "Status". The application "dc4asftest" is selected with a checkmark, and its status is "Stopped" (indicated by a red X icon). Other applications listed include adminconsole, dc4asf, ivtApp, x5hello, and z5TestHans. The console also shows a "WebSphere Status" section at the bottom indicating 0 total configuration problems.

Enter the path (local path or server path) where the new DC4ASF war file is located:

`/usr/fsn/V3R3M0W5/dc4asftest/war/dc4asf.war`

Enter the context root: “/dc4asftest”

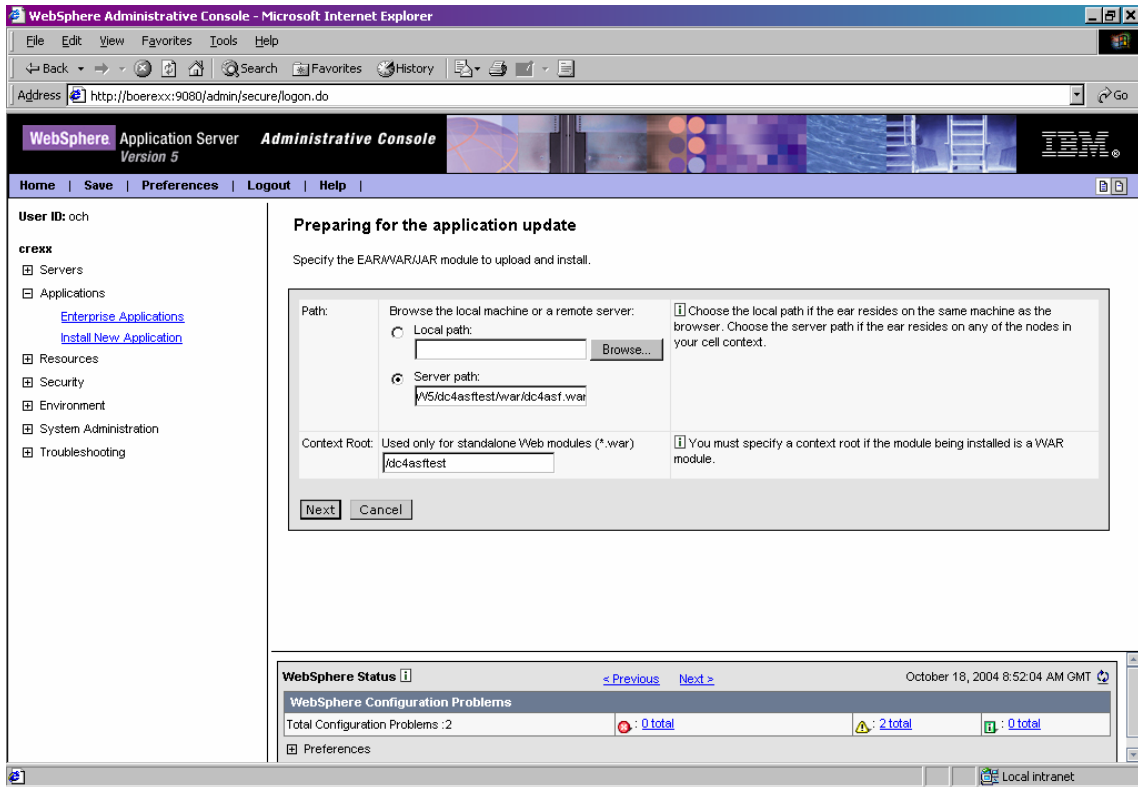
Note:

The context root must be the same as the context root entered during installation (see “Preparing for the application installation”). If you do not remember the context root of your installation check the file `plugin-cfg.xml` in the directory `/SYSTEM/etc/`:

...

```
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/servlet/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/dc4asftest/html/*"/>
```

...



On each of the next panels select **Next** and finally select **Finish**. When the update of the application has completed, save the master configuration.

Open **Applications > Enterprise Application** and select your application dc4asftest. Select **Stop** first and then select **Start** to restart the application.