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IBM Connections 4 Public Deployment Scenarios

Deployment Scenarios ERC 1.0



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# IBM Connections 4: PDS migration (side by side)

#### About the author



Xiao Jin Zhao works on the Connections system verification test team and has four years' experience with Connections and six years' experience in testing. She is familiar with Connections product and other ICS portfolio, including installing, configuring, administration, use, and troubleshooting issues. Xiao Jin can be reached at zhaoxjin@cn.ibm.com.

## Contents

- 1. Pre-installation
- 2. Post-installation
- 3. Post-actions after installation agent

# 1. Pre-installation

# Install base software and apply fixpacks/ifixes

#### Install WebSphere Application Server

Install WebSphere Application Server 7.0 as DM and Nodes, follow the normal steps for WebSphere Application Server installation.

## Install Fixpack for WebSphere Application Server

To install WebSphere Update installer follow the normal way. Also, use update installer to apply WebSphere Application Server 70021 fix pack.(see snapshot of installation in section "Install Fixpack for IHS").

Then, apply Connections 4.0 needed fixes to both DM and Node WebSphere Application Server:

WebSphere Application Server required fixes for 7.0.0.21:

- 1. PM53930
- 2. PM56596
- 3. PM60895
- 4. PM51981
- 5. PM65486



Visit this link for further information:

http://publib.boulder.ibm.com/infocenter/prodguid/v1r0/clarity-reports/report/html /prereqsForProduct?deliverableId=1284667107599

\_\_\_\_1. Open the IBM Update Installer for WebSphere Software wizard and click **Next**.



Figure 1. IBM Update Installer for WebSphere Software wizard: Welcome screen

\_\_\_\_2. Enter the installation location for the product you want to install and click **Next**.

	Product Selection	
WebSphere, <mark>software</mark>	Enter the installation location of the product that you want to update. You can select a different directory from the drop-down list, specify a diffe click <b>Browse</b> to select a directory.	rent directory, or
5	/opt/IBM/WebSphere/AppServer	•
		B <u>r</u> owse.
allShield -	C Back	te ) Cance

Figure 2. IBM Update Installer for WebSphere Software wizard: Installation location screen

\_\_\_\_3. On the Maintenance Operation Selection screen, select the option "Install maintenance package" and click **Next**.

1/2			
WebSphere. software	Install maintenance package Uninstall maintenance package	age.	
stallShield -			

Figure 3. IBM Update Installer for WebSphere Software wizard: Maintenance Operation Selection screen

\_\_\_\_4. Select the package directory and click **Next**.

WebSphere, software	Maintenance Package Directory Selection Enter directory to list maintenance packages available for installa directory or click Browse to select a path to maintenance package	ation. You can specify a ge.
Augent .	/opt/IBM/WebSphere/LipdateInstaller/maintenance	
B	(operiority recognicies) opdatellistallely maintenance	B <u>rowse</u> .
	The latest maintenance packages are available onlin packages for WebSphere Application Server and all V	e. Obtain maintenance WebSphere Application
	Server Feature Packs either by visiting the <u>Recomme</u> <u>WebSphere Application Server</u> webpage for a comple <u>WebSphere Maintenance Download wizard</u> to find sp packages. Additional information can be found online at the <u>We</u> <u>Server library</u> or <u>WebSphere Application Server inform</u> webpages.	nded fixes for ate list or by using the ecific maintenance <u>bSphere Application</u> mation center

Figure 4. IBM Update Installer for WebSphere Software wizard: Maintenance Package Directory Selection screen

\_\_\_\_5. Select the packages to install and click **Next**.

🙆 івм	Update Installer for WebSphere Software 7.0.0.11	_ 🗆 🗙
WebSohere software	Available Maintenance Package to Install Select maintenance packages to install:	^
Netz-	Select <u>R</u> ecommended Updates Deselect All Updates	
	7.0.0.1-ws-was-ifpm60895.pak	_
Para	7.0.0.19-WS-WAS-IFPM53930.pak	=
	✓ 7.0.0.21-WS-WAS-IFPM51981.pak	
	✓ 7.0.0.21-WS-WAS-IFPM65486.pak	
	✓ 7.0.0.21-WS-WAS-IFPM56596.pak	
	7.0.0-WS-WAS-LinuxX64-FP0000021.pak - Installed	
	7.0.0-WS-WASSDK-LinuxX64-FP0000021.pak - Installed	
	7.0.0-WS-IHS-LinuxX54-FP0000021.pak - Not Applicable	
	7.0.0-WS-PLG-LinuxX64-FP0000021 pak - Not Applicable	
	Each package solection might restrict remaining packages available fr	
InstallShield		
	< <u>Back</u> ext>	Cancel

Figure 5. IBM Update Installer for WebSphere Software wizard: Available Maintenance Package to Install screen

The installation wizard checks for prerequisites.

2	IBM Update Installer for WebSphere Software 7.0.0.0	_ 🗆 🗙
WebSphere. software	Performing prerequisite checking	
	< Back Next>	Cancel

Figure 6. IBM Update Installer for WebSphere Software wizard: Prerequisite checking

\_\_\_\_6. Verify the installation summary and click **Next**.

	Installation Summary	F
WebSphere. software	Review the summary for correctness. Click <b>Back</b> to change values on previous panels. Click Next to perform the installation.	
	Verify my permissions to perform the installation.	
Atom.	The following maintenance packages will be installed:	
	<ul> <li>7.0.0.21-WS-WAS-IFPM56596 - MESSAGES BUILD UP ON PUBLICATION POINT AND DO NOT FLOW TO SUBSCRIBER MESSAGING ENGINE</li> <li>7.0.0.1-WS-WAS-IFPM60895 - Messages not being processed in order would lead to piling up in case of consumer being non local to destination (Repackaged PM51310)</li> <li>7.0.0.21-WS-WAS-IFPM65486 - ADD OAUTH20 SUPPORT TO WEBSPHERE APPLICATION SERVER</li> <li>7.0.0.19-WS-WAS-IFPM53930 - Hash Table implementation vulnerability</li> </ul>	
	to the following location:	
nstallShield		
	< Back Next > Cance	el C

Figure 7. IBM Update Installer for WebSphere Software wizard: Installation summary screen

The installation starts.

8	IBM Update Installer for WebSphere Software 7.0.0.0	_ 🗆 🗙
	Installing component sib.output.base	
WebSphere, software	100%	
	٢	
InstallShield	S. <u>B</u> ack <u>N</u> ext >	ancel

Figure 8. IBM Update Installer for WebSphere Software wizard: Installation in progress

\_\_\_\_7. The installation completes. Click **Finish**.

🙆 івм	Update Installer for WebSphere Software 7.0.0.11 📃 🗆 🗙
WebSphere, software	Installation Complete Success:The following maintenance packages were installed: • 7.0.0.21-WS-WAS-IFPM56596 • 7.0.0.21-WS-WAS-IFPM60895 • 7.0.0.21-WS-WAS-IFPM65486 • 7.0.0.19-WS-WAS-IFPM65486 • 7.0.0.19-WS-WAS-IFPM53930 to the following location: • / opt/IBM/WebSphere/AppServer Click Relaunch to add or remove additional maintenance packages, or click Finish to exit the wizard.

Figure 9. IBM Update Installer for WebSphere Software wizard: Installation completion screen

#### Install IHS

1. Under WebSphere Application Server Network Deployment > IBM HTTP Server Installation, click Launch the installation wizard for IBM HTTP Server.



Figure 10. WebSphere Application Server Network Deployment

\_\_\_\_2. The installation wizard for IBM HTTP Server 7.0 opens. Click **Next**.

	IBM HTTP Server 7.0	_ 🗆 🗙
WebSphere_software	Welcome to IBM HTTP Server 7.0 This wizard installs IBM HTTP Server 7.0 on your computer. See the IBM HTTP Server 7.0 Installation Guide to learn more about this	
	installation. Click Next to continue.	
InstallShield	< Back Next Can	cel

Figure 11. IBM HTTP Server 7.0 installation wizard: Welcome screen

\_\_\_\_3. Accept both the IBM and the non-IBM terms and click **Next**.

▲	IBM HTTP Server 7.0 👝 🗖 🔪	4
14	Software License Agreement	
	Please read the following license agreement carefully.	
ALT.	International Program License Agreement	
websphere software	Part 1 - General Terms	
	BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, OR USING THE PROGRAM YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF ANOTHER PERSON OR A COMPANY OR OTHER LEGAL ENTITY, YOU REPRESENT AND WARRANT THAT YOU HAVE FULL AUTHORITY TO BIND THAT PERSON, COMPANY, OR LEGAL ENTITY TO THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS,	
	- DO NOT DOWNLOAD, INSTALL, COPY, ACCESS, OR USE THE PROGRAM; AND	
X	Read non-IBM terms	
	I accept both the IBM and the non-IBM terms	
	I do not accept the terms in the license agreement	
	Print	
InstallShield		
	< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel	

Figure 12. IBM HTTP Server 7.0 installation wizard: Software License Agreement screen

\_\_\_\_4. The prerequisites are checked. Click **Next** if passed.

۲	IBM HTTP Server 7.0	_ 🗆 X
WebSphere software	System Prerequisites Check Passed: Your operating system completed the prerequisites check successfully. Your operating system meets or exceeds the requirements for this pro See the <u>WebSphere Application Server detailed system requirements</u> W pages for more information about supported operating systems. Go to product support Web pages to obtain the latest maintenance packages apply after installation. Click Next to continue the installation.	duct. /eb the 5 to
InstallShield	< <u>B</u> ack <u>Next</u> <u>C</u> ar	icel
	hť	

Figure 13. IBM HTTP Server 7.0 installation wizard: System Prerequisites Check screen

\_\_\_5. Select the product installation location and click **Next**.

2	IBM HTTP Server 7.0 👝 🗖	×
	Enter the installation location	
WohSphore software	/opt/IBM /HTTPSep/er	
Watspirete	Browse	
InstallShield	< Back Next > Cancel	

Figure 14. IBM HTTP Server 7.0 installation wizard: Installation location screen

\_\_\_\_6. Assign the values for the HTTP Port and the HTTP Administration Port and click **Next**.

<b>&amp;</b>	IBM HTTP Ser	ver 7.0 _ 🗆 🗙
WebSphere, software	Port Values Assignment IBM HTTP Server communic ports are already in use by change the port numbers f	cates using the port numbers listed below. If these IBM HTTP Server or another application, then rom their default values.
Cartan .	HITP Port:	80
Ber	HTTP Administration Port:	8008
InstallShield		
		< <u>Back Next &gt; C</u> ancel

Figure 15. IBM HTTP Server 7.0 installation wizard: Port Values Assignment screen

\_\_\_\_7. Create a user/password to authenticate to the IBM HTTP Server administration and click **Next**.

2	IBM HTTP Server 7.0 👝 🗆 🛪
#	HTTP Administration Server Authentication
WebSphere, software	Create a user ID and password to authenticate to the IBM HTTP Server administration server using the WebSphere Application Server administrative console. The newly-created user ID and password is encrypted and stored in the conf/admin.passwd file. You can create additional user IDs after the installation by using the htpasswd utility.
PAT	Create a user ID for IBM HTTP Server administration server authenticati
	User ID: ihsadmin
	Password:
	Confirm Password
	••••••
InstallShield	
	< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel

Figure 16. IBM HTTP Server 7.0 installation wizard: HTTP Administration server Authentication screen

\_\_\_8. Set up IBM HTTP Server administration server and click **Next**.

2	IBM HTTP Server 7.0		
WebSphere, software	Setup HTTP Server Administration Server Perform steps to administer IBM HTTP Server using the IBM HTTP Server administration server on Linux and UNIX operating systems. When selected, the installation grants a user ID write access to the necessary IBM HTTP Server and plug-in configuration files. Optionally, you can complete this step after installation by running the setupadm script.		
	<ul> <li>Setup IBM HTTP Server administration server to administer IBM HTTP Server.</li> <li>Create a unique user ID and group for IBM HTTP Server administration files</li> </ul>		
X	User ID: ihsadmin The user ID for the administration server cannot be a root user		
	<u>G</u> roup: ihsadmin		
InstallShield	< <u>B</u> ack <u>Next</u> > <u>C</u> ancel		

Figure 17. IBM HTTP Server 7.0 installation wizard: Setup HTTP Server Administration server screen

\_\_\_9. Install the IBM HTTP Server plug-in and click **Next**.

۷	IBM HTTP Server 7.0 🔔 🗆 🗙
2	IBM HTTP Server Plug-in for IBM WebSphere Application Server
WebSphere, software	Silently install the plug-in using the remote installation scenario. The host name and web server definition are used when creating the default plug-in configuration file. This file is used to route requests to the Application Server. If there are multiple Application Servers, then select one of the servers and specify the machine's host name.
Part	☑ Install the IBM HTTP Server Plug-in for IBM WebSphere Application Server
	Web server definition: webserver1
	Host name or IP address for the Application Server:
	Host name or IP address for the Application Server>
InstallShield	<u>[</u>
instalometo -	< <u>B</u> ack <u>Next &gt;</u> <u>C</u> ancel

Figure 18. IBM HTTP Server 7.0 installation wizard: IBM HTTP Server Plug-in for IBM WebSphere Application Server screen

The installation begins.

۵	IBM HTTP Server 7.0	_ = ¤ ×
	Creating the uninstaller	
WebSphere, software	4%	
InstallShield	< <u>B</u> ack <u>I</u> Ot > <u>C</u> a	ncel

Figure 19. IBM HTTP Server 7.0 installation wizard: Installation in progress screen

\_\_\_\_10. When the product is successfully installed click **Finish**.

۵	IBM HTTP Server 7.0	ı x
WebSphere, software	Success: The following product was successfully installed:	
	IBM HTTP Server Plug-in for IBM WebSphere Application Server was successfully installed to: /opt/IBM/HTTPServer/Plugins	
	For information on configuring and using the IBM HTTP Server, refer to the on-line <u>IBM HTTP Server Information Center</u> .	
InstallShield		
	< <u>B</u> ack <u>N</u> ext > <u>Finish</u>	

Figure 20. IBM HTTP Server 7.0 installation wizard: Installation completion screen

## **Install Fixpack for IHS**

#### Install Update Installer

\_\_\_\_1. Run the command in the following figure to open the Installation Wizard for the Update Installer.

dubxpcvm540:/software/was\_fp/UpdateInstaller # ./install

Figure 21. Command to open the Installation Wizard for the Update Installer

\_\_\_\_2. On the welcome screen of the Installation Wizard for the Update Installer, click Next.

2	Installation Wizard for the Update Installer 7.0.0.23	_ 🗆 🗙
WebSphere, software	Installation Wizard for the Update Installer Welcome to the Installation Wizard for the IBM Update Installer for WebSphere Software. Additional information can be found at the Info Centers and Support sites for WebSphere and related products hom Click Next to continue.	<u>rmation</u> e page.
InstallShield		
	< Back Next >	ancel

Figure 22. Installation Wizard for the Update Installer: Welcome screen

#### \_\_\_\_3. Accept both the IBM and non-IBM terms and click **Next**.

<b>2</b>	Installation Wizard for the Update Installer 7.0.0.23	_ 🗆 ×
#	Software License Agreement	
	Please read the following license agreement carefully.	
Mah Cabara anthunga	International Program License Agreement	
websphere. software	Part 1 – General Terms	_
	BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, OR USING THE PROGRAM YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF ANOTHER PERSON OR A COMP OR OTHER LEGAL ENTITY, YOU REPRESENT AND WARRANT THAT YOU H FULL AUTHORITY TO BIND THAT PERSON, COMPANY, OR LEGAL ENTITY THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS,	ANY AVE FO
	- DO NOT DOWNLOAD, INSTALL, COPY, ACCESS, OR USE THE PROGRAM;	-
X	Read non-IBM terms	
	I accept both the IBM and the non-IBM terms	
Stat Almudda	I do not accept the terms in the license agreement	
	Print	
InstallShield		
	< <u>B</u> ack <u>N</u> ext <sub>b</sub> ≥ <u>C</u> an	el

Figure 23. Installation Wizard for the Update Installer: Software License Agreement screen

\_\_\_\_4. The prerequisites are checked. Click **Next** if passed.

2	Installation Wizard for the Update Installer 7.0.0.23	- @ ×
WebSphere, software	System Prerequisites Check         Passed: Your operating system completed the prerequisites check successfully.         Your operating system meets or exceeds the requirements for this processe the WebSphere Application Server detailed system requirements we pages for more information about supported operating systems. Go to product support Web pages to obtain the latest maintenance packages apply after installation.         Click Next to continue the installation.	Juct. eb the to
InstallShield	< <u>B</u> ack <u>N</u> ext 大	cel

Figure 24. Installation Wizard for the Update Installer: System Prerequisites Check screen

\_\_\_5. Select the directory where the product will be installed and click **Next**.

2	Installation Wizard for the Update Installer 7.0.0.23	_ 🗆 X
WebSphere, software	Installation Directory IBM Update Installer for Websphere Software, Version 7.0.0.23 installed to the specified directory. You can specify a different directory or click <b>Browse</b> to select a	will be directory.
A	Directory path: /apt//PM//WebSphere/UpdateInstaller	
		B <u>r</u> owse
InstallShield	< Back Next	<u>C</u> ancel

Figure 25. Installation Wizard for the Update Installer: Installation Directory screen

2	Installation Wizard for the Update Installer 7.0.0.23	_ 🗆 X
WebSphere, software	Installation Summary Review the summary for correctness. Click Back to change the values on previous panels. Click Next to begin the installation. The following product will be installed: <ul> <li>IBM Update Installer for WebSphere Software                  Path: /opt/IBM/WebSphere/UpdateInstaller</li> <li>for a total size:                 <ul></ul></li></ul>	
nstallShield	< <u>B</u> ack <u>N</u> ext > <u>C</u> anc	el

Figure 26. Installation Wizard for the Update Installer: Installation Summary screen

The installation begins.

<b>2</b>	Installation Wizard for the Update Installer 7.0.0.23	_ 🗆 🗙
	Creating the uninstaller	
WebSphere, software	28%	
InstallShield	< <u>B</u> ack <u>N</u> ext	cel

Figure 27. Installation Wizard for the Update Installer: Installation in progress screen

\_\_\_\_7. When the product is successfully installed click **Finish**.

8	Installation Wizard for the Update Installer 7.0.0.23	_ 🗆 🗙
WebSphere software	Installation Complete         Success: The following product was successfully installed:         ● IBM Update Installer for WebSphere Software Path: /opt/IBM/WebSphere/UpdateInstaller         ✓ Launch IBM Update Installer for WebSphere Software on exit.         You can also launch the Update Installer by running the update of the installation directory.         Click Finish to exit the wizard.	ommand in
InstallShield	< <u>B</u> ack <u>N</u> ext >	Einish

Figure 28. Installation Wizard for the Update Installer: Installation Complete screen

You must also install the IBM Update Installer for WebSphere Software. To do so, follow these steps.

\_\_\_1. On the welcome page of the IBM Update Installer for WebSphere Software wizard, click **Next**.

8	IBM Update Installer for WebSphere Software 7.0.0.23	o ×
₩.	Welcome to the IBM Update Installer for WebSphere Software wizard.	
WebSphere, software	This wizard installs or uninstalls maintenance packages, including interim fixes, fix packs, and refresh packs. The following products are supported:	
	<ul> <li>IBM WebSphere Application Server Version 6.1.0.0 or higher</li> <li>IBM WebSphere Application Server Network Deployment Version 6.1.0.0 or higher</li> <li>IBM WebSphere Application Server - Eveness Version 6.1.0.0 or</li> </ul>	=
	<ul> <li>IBM WebSphere Application Server - Express Version 6.1.0.0 or higher</li> <li>IBM Application Client for WebSphere Application Server Version 6.1.0.0 or higher</li> </ul>	
	<ul> <li>Web Server Plug-ins for WebSphere Application Server Version 6.1.0.0 or higher</li> <li>IBM WebSphere Application Server V6.1 Feature Pack for Web Services</li> </ul>	
	<ul> <li>IBM_WebSphere_Application Server V6.1 Feature Pack for EIB 3.0</li> <li>IBM_WebSphere_eXtreme Scale Version 7.0 or higher</li> <li>WebSphere Virtual Enterprise 6.1 or higher</li> </ul>	
	<ul> <li>IBM_HTTP Server Version 6 or higher</li> <li>IBM_WebSphere Process Server Version 6.0 or higher</li> <li>IBM_WebSphere Enterprise Service Bus Version 6.0.1 or higher</li> </ul>	-
InstallShield	< <u>Back</u> <u>Next</u> <u>Cancel</u>	

Figure 29. IBM Update Installer for WebSphere Software wizard: Welcome screen

\_\_\_\_2. Enter the installation location of the product that you want to update and click **Next**.

۵	IBM Update Installer for WebSphere Software 7.0.0.23	_ 🗆 🗙
WebSphere. software	Product Selection Enter the installation location of the product that you want to u You can select a different directory from the drop-down list, s different directory, or click <b>Browse</b> to select a directory. Directory path:	pdate. pecify a
Part -	/opt/IBM/HTTPServer	-
		B <u>r</u> owse
InstallShield	< Back Next >	<u>C</u> ancel

Figure 30. IBM Update Installer for WebSphere Software wizard: Product Selection screen

\_\_\_\_3. Select the option "Install maintenance package" and click **Next**.

<b>2</b>	IBM Update Installer for WebSphere Software 7.0.0.23	- • ×
WebSphere software	Maintenance Operation Selection       ●         ● Install maintenance package.       ●         ● Uninstall maintenance package.       ●	
InstallShield	< Back Next > Can	cel

Figure 31. IBM Update Installer for WebSphere Software wizard: Maintenance Operation Selection screen

\_\_\_\_4. Select the directory to install the maintenance package and click **Next**.

Z-	Maintenance Package Directory Selection
WebSphere, software	Enter directory to list maintenance packages available for installation. You can specify a directory or click <b>Browse</b> to select a path to maintenance package.
Charter .	Directory path:
Bert	/software/was_fp
	Browse
	The latest maintenance packages are available online. Obtain maintenance packages for WebSphere Application Server and all WebSphere Application Server Feature Packs either by visiting the <u>Recommended fixes for</u> <u>WebSphere Application Server</u> webpage for a complete list or by using the <u>WebSphere Maintenance Download wizard</u> to find specific maintenance packages.
	Server library or WebSphere Application Server information center webpages.
nstallShield	

Figure 32. IBM Update Installer for WebSphere Software wizard: Maintenance Package Directory screen

\_\_\_5. Select the maintenance packages that you want to install and click **Next**.

	Available Maintenance Package to Install Select maintenance packages to install:
ware	Select <u>R</u> ecommended Updates Clea <u>r</u> All Selections
	✓ 7.0.0-WS-IHS-LinuxX64-FP0000021.pak
	7.0.0-WS-PLG-LinuxX64-FP0000021.pak - This product is not applic
	7.0.0-WS-WAS-LinuxX64-FP0000021.pak - This product is not applic
	7.0.0-WS-WASSDK-LinuxX64-FP0000021.pak - Mismatched architect
	Each package selection might restrict remaining packages available for further selection.
	Multiple selections can be made for different products.
	Click Next to continue

Figure 33. IBM Update Installer for WebSphere Software wizard: Available Maintenance Package to Install screen


\_\_\_\_7. On the Installation Summary screen, you are informed that you have enough permissions for the installation. Click **Next**.

<b>2</b>	IBM Update Installer for WebSphere Software 7.0.0.0	_ 🗆 X
	Installation Summary	
WebSphere, software	Success: You have sufficient permissions to perform the installation.	
- AL	Review the summary for correctness. Click <b>Back</b> to change values on previpanels. Click <b>Next</b> to perform the installation.	vious
1	The following maintenance package will be installed:	
	<ul> <li>7.0.0-WS-IHS-LinuxX64-FP0000021 - IBM HTTP Server</li> <li>7.0.0.21 FixPack</li> </ul>	
	on the following product:	
	IBM HTTP Server - V7.0.0.0     /opt/IBM/HTTPServer	
	Click Next to begin the installation.	
InstallShield		
	< Back Next Cance	l I

```
Figure 35. IBM Update Installer for WebSphere Software wizard: Installation Summary screen (2 of 2)
```

<b>2</b>	IBM Update Installer for WebSphere Software 7.0.0.0	_ 🗆 X
	Initializing component: prereq.gskitlocal	
WebSphere, software	5 Ø%	
	۲	
instalbhield -	< <u>B</u> ack <u>N</u> ext > <u>C</u> a	ncel

The installation components initialize.

Figure 36. IBM Update Installer for WebSphere Software wizard: Installation in progress screen

\_\_\_\_8. The installation completes. Click **Relaunch** to add or remove extra maintenance packages.

2	IBM Update Installer for WebSphere Software 7.0.0.0	
WebSphere software	Installation Complete Success: The following maintenance package was installed: • 7.0.0-WS-IHS-LinuxX64-FP0000021 - IBM HTTP Server 7.0.0.2 FixPack on the following product: • IBM HTTP Server /opt/IBM/HTTPServer Click Relaunch to add or remove additional maintenance packages, or click Finish to exit the wizard.	1
InstallShield	<u>ج B</u> ack <u>R</u> elaynch <u>F</u> inish	

Figure 37. IBM Update Installer for WebSphere Software wizard: Installation Complete screen

\_\_\_9. Apply 70021 fix pack. On the Product Selection screen, click Next.

2	IBM Update Installer for WebSphere Software 7.0.0.0	- 🗆 🗙
WebSphere. software	Product Selection Enter the installation location of the product that you want to update. You can select a different directory from the drop-down list, specify different directory, or click <b>Browse</b> to select a directory. Directory path:	a
		owse
InstallShield	< Back Next	ancel

Figure 38. IBM Update Installer for WebSphere Software wizard: Product Selection screen

\_\_\_\_10. Select Install maintenance package and click Next.

۵	IBM Update Installer for WebSphere Software 7.0.0.0	- 🗆 X
WebSphere software	IBM Update Installer for WebSphere Software 7.0.0.0         Maintenance Operation Selection <ul> <li>Install maintenance package.</li> <li>Uninstall maintenance package.</li> </ul>	
InstallShield	< <u>B</u> ack <u>N</u> ext <u>C</u> ar	icel

Figure 39. IBM Update Installer for WebSphere Software wizard: Maintenance Operation Selection screen

\_\_\_\_11. Select the directory to install the maintenance package and click **Next**.

Ů	IBM Update Installer for WebSphere Software 7.0.0.0	∃ ×
	Maintenance Package Directory Selection	
WebSphere, software	can specify a directory or click <b>Browse</b> to select a path to maintenance package.	
Cert	Directory path:	_
Part	/software/was_fp	4
	B <u>r</u> owse	
	The latest maintenance packages are available online. Obtain maintenance packages for WebSphere Application Server and all WebSphere Application Server Feature Packs either by visiting the <u>Recommended fixes for</u> <u>WebSphere Application Server</u> webpage for a complete list or by using the <u>WebSphere Maintenance Download wizard</u> to find specific maintenance packages.	
	Additional information can be found online at the <u>WebSphere Application</u> Server library or <u>WebSphere Application Server information center</u> webpages	5.
InstallShield		
	< <u>B</u> ack <u>Next</u> > <u>C</u> ancel	

Figure 40. IBM Update Installer for WebSphere Software wizard: Maintenance Package Directory screen

\_\_\_\_12. Select the maintenance packages that you want to install and click **Next**.

۵	IBM Update Installer for WebSphere Software 7.0.0.0 _ C 🗙
	Available Maintenance Package to Install Select maintenance packages to install:
WebSphere, software	Select <u>R</u> ecommended Updates Deselect All Updates
Kitter	✓ 7.0.0-WS-PLG-LinuxX64-FP0000021.pak
Par	✓ 7.0.0-WS-WASSDK-LinuxX64-FP0000021.pak
A A A A A A A A A A A A A A A A A A A	7.0.0-WS-IHS-LinuxX64-FP0000021.pak - Not Applicable
	7.0.0-WS-WAS-LinuxX64-FP0000021.pak - Not Applicable
	Each package selection might restrict remaining packages available for further selection.
	Multiple selections can be made for different products.
	Click Next to continue
InstallShield	
	< <u>Back Next</u> <u>Cancel</u>

Figure 41. IBM Update Installer for WebSphere Software wizard: Available Maintenance Package to Install screen

\_\_\_\_13. Review the installation summary and click Next.

WebSphere software       Installation Summary         Review the summary for correctness. Click Back to change values on previous panels. Click Next to perform the installation.         Verify my permissions to perform the installation.         The following maintenance packages will be installed:         • 7.0.0-WS-PLG-LinuxX64-FP0000021 - WebSphere Plugin 7.0.0.21 FixPack         • 7.0.0-WS-WASSDK-LinuxX64-FP0000021 - Software Developer Kit 7.0.0.21         to the following location:         • / opt/IBM/HTTPServer/Plugins         Lick Next to begin the installation.	۲. C	IBM Update Installer for WebSphere Software 7 0.0.0 🔔 🗖 🗙
WebSphere       software         WebSphere       verify my permissions to perform the installation.         Verify my permissions to perform the installation.       verify my permissions to perform the installation.         The following maintenance packages will be installed:       7.0.0-WS-PLG-LinuxX64-FP0000021 - WebSphere Plugin 7.0.0.21 FixPack         7.0.0-WS-WASSDK-LinuxX64-FP0000021 - Software Developer Kit 7.0.0.21       to the following location:         • / opt/IBM/HTTPServer/Plugins       Click Next to begin the installation.	₩.	Installation Summary
<ul> <li>Verify my permissions to perform the installation.</li> <li>The following maintenance packages will be installed:</li> <li>7.0.0-WS-PLG-LinuxX64-FP0000021 - WebSphere Plugin 7.0.0.21 FixPack.</li> <li>7.0.0-WS-WASSDK-LinuxX64-FP0000021 - Software Developer Kit 7.0.0.21</li> <li>to the following location:</li> <li>/opt/IBM/HTTPServer/Plugins</li> <li>Click Next to begin the installation.</li> </ul>	WebSphere, software	Review the summary for correctness. Click <b>Back</b> to change values on previous panels. Click <b>Next</b> to perform the installation.
The following maintenance packages will be installed:         • 7.0.0-WS-PLG-LinuxX64-FP0000021 - WebSphere Plugin         7.0.0.21 FixPack         • 7.0.0-WS-WASSDK-LinuxX64-FP0000021 - Software Developer         Kit 7.0.0.21         to the following location:         • /opt/IBM/HTTPServer/Plugins	ditta.	Verify my permissions to perform the installation.
<ul> <li>• 7.0.0-WS-PLG-LinuxX64-FP0000021 - WebSphere Plugin 7.0.0.21 FixPack</li> <li>• 7.0.0-WS-WASSDK-LinuxX64-FP0000021 - Software Developer Kit 7.0.0.21</li> <li>to the following location:</li> <li>• /opt/IBM/HTTPServer/Plugins</li> <li>Lick Next to begin the installation.</li> </ul>	A	The following maintenance packages will be installed:
to the following location: • /opt/IBM/HTTPServer/Plugins Click Next to begin the installation. InstallShield		<ul> <li>7.0.0-WS-PLG-LinuxX64-FP0000021 - WebSphere Plugin 7.0.0.21 FixPack</li> <li>7.0.0-WS-WASSDK-LinuxX64-FP0000021 - Software Developer Kit 7.0.0.21</li> </ul>
• /opt/IBM/HTTPServer/Plugins     Click Next to begin the installation.		to the following location:
InstallShield		/ opt/IBM/HTTPServer/Plugins
InstallShield	الفاظ <u>ام ر</u> دور	Click Next to begin the installation.
	InstallShield	
< Back Next Cancel		< Back Next > Cancel

Figure 42. IBM Update Installer for WebSphere Software wizard: Installation Summary screen

The installation begins.

۵	IBM Update Installer for WebSphere Software 7.0.0.0	- 🗆 🗙
	Initializing	
WebSphere, software	0%	
-		
InstallShield	< Back NO > Can	cel

Figure 43. IBM Update Installer for WebSphere Software wizard: Installation in progress screen

\_\_\_\_14. The installation completes. Click **Finish**.

2	IBM Update Installer for WebSphere Software 7.0.0.0	_ 🗆 X
WebSphere software	Installation Complete Success:The following maintenance packages were installed:	click
InstallShield	<u>ج B</u> ack <u>R</u> elaunch آنز	ish

Figure 44. IBM Update Installer for WebSphere Software wizard: Installation Complete screen

# **Install Oracle**

\_\_\_\_1. Open a VNC windows by using Oracle:

Oraclehost:/opt # rm -rf oracle Oraclehost:/opt # mkdir oracle Oraclehost:/opt # chown oracle:dba oracle Oraclehost:/opt # ls -1 drwxr-xr-x 2 oracle dba 4096 Aug 27 08:13 oracle

oracle@			/> co	1 /soft	tware/databa	ase/	
oracle@			/soft	tware/o	database> d:	ir	
total 64							
drwxrwxrwx	12	root	root	4096	2011-09-19	04:39	dere
drwxrwxrwx	4	root	root	4096	2011-09-22	08:37	install
-rwxrwxrwx	1	root	root	28122	2011-09-22	09:57	readme.html
drwxrwxrwx	2	root	root	4096	2011-09-22	08:37	response
drwxrwxrwx	2	root	root	4096	2011-09-22	08:37	rpm
-rwxrwxrwx	1	root	root	3226	2011-09-22	08:26	runInstaller
drwxrwxrwx	2	root	root	4096	2011-09-22	08:37	sshsetup
drwxrwxrwx	14	root	root	4096	2011-09-22	08:37	stage
-rwxrwxrwx	1	root	root	5466	2011-08-23	06:07	welcome.html
oracle@			/soft	tware/o	latabase> .,	/runIns	staller
Starting On	rac]	le Un:	iversa	al Inst	taller		

Figure 45. Starting Oracle Universal Installer

I

2. The Oracle Data	Oracle Database 11g Release 2 INS		
onfigure Security Update	5		ORACLE 118
Configure Security Updates	Provide your email address to be and initiate configuration manag	informed of security issues, install the er. <u>View details</u> .	product
Download Software Updates	E <u>m</u> ail:		
Apply Software Updates		Easier for you if you use your My Ora address/username.	cle Support email
Grid Installation Options	I wish to receive security upd	ates via My Oracle Support.	
Install Type	My Oracle Support Password:		
Typical Installation			
Prerequisite Checks			
Summary			
Install Product			
Finish			
			63N
Help		< <u>B</u> ack	<u>kext &gt; I</u> nstall Cance

Figure 46. Oracle Database 11g Release 2 Installer: Configure Security Updates

\_\_\_\_3. In the message window "Do you wish to remain uninformed of critical security issues in your configuration?", click **Yes**.



Figure 47. My Oracle Support Username/Email Address Not Specified

## \_\_\_\_4. In the Select Installation Option screen, select Install database software only and click **Next**.

	Oracle Database 11g Release 2 Installer - Installing database - Step 3 of 10
Select Installation Option	
Configure Security Updates Download Software Updates Installation Option Grid Installation Options Install Type Typical Installation Prerequisite Checks Summary Install Product Finish	Select any of the following install options. Note: If you want to upgrade an existing Oracle Database 11g Release 2 instance existing database" option. Create and configure a database One of the following install database One of the following install options. Dupgrade an existing database
Help	< Back Next >

Figure 48. Oracle Database 11g Release 2 Installer: Select Installation Option screen

\_\_\_ 5. In the Grid Installation Options screen, select Single instance database installation and click **Next**.

	Oracle Database 11g Release 2 Installer - Installing database - Step 4 of 10 📃 📮 🗖 🗶
Grid Installation Options	
Configure Security Updates Download Software Updates Installation Option Grid Installation Options Install Type Typical Installation Prerequisite Checks Summary Install Product Finish	Select the type of database installation you want to perform.  Single instance database installation  Oracle Real Application Clusters database installation  Oracle RAC Ong Node database installation
Help	< <u>Back</u> Next > Install Cancel

Figure 49. Oracle Database 11g Release 2 Installer: Grid Installation Options screen

## \_\_\_6. Select the languages in which the product runs and click **Next**.

	Oracle Database 11g Release 2 Installer -Ir	stalling database - Step 5 of 12	X
Select Product Languages			DATABASE 118
Configure Security Updates Download Software Updates Installation Option Crid Installation Options Product Languages Database Edition Installation Location Operating System Groups Prerequisite Checks Summary Install Product Finish	Select the languages in which your p Available Languages: Arabic Bengali Brazilian Portuguese Bulgarian Canadian French Catalan Croatian Czech Danish Dutch Egyptian English (United Kingdom) Estonian Finnish French German Greek Hebrew Hungarian Icelandic Indonesian	roduct will run.	Pages:
Help		< <u>B</u> ack	Next > Install Cancel

Figure 50. Oracle Database 11g Release 2 Installer: Select Product Languages screen

\_\_\_\_7. Select Enterprise Edition (4.5GB) as the database edition where you want to install and click **Next**.



Figure 51. Oracle Database 11g Release 2 Installer: Select Database Edition screen

## \_\_\_8. In the Download Software Updates screen, select Skip software updates and click **Next**.

	Dracle Database 11g Release 2 Installer - Installing database - Step 2 of 11 📃 📃 🗙
Download Software Update	
Configure Security Updates Download Software Updates Apply Software Updates Installation Option Grid Installation Options Install Type Typical Installation Prerequisite Checks Summary Install Product Finish	Download software updates for this installation. Software updates consist of recommended updates to the installer system requirement checks, patchset updates (PSUs), and other recommended patches.  Select one of the following options:  Use My Oracle Support credentials for download  My Oracle Support ger name:  My Oracle Support password:  Deroxy Settings Test Connection  Use pre-gownloaded software updates  Location:  Select one updates  Skip software updates
Help	< Back Next > Install Cancel

Figure 52. Oracle Database 11g Release 2 Installer: Download Software Updates screen

\_\_\_\_9. Select the installation locations for the Oracle base and the software and click **Next**.

	Dracle Database 11g Release 2 Installer - Installing database - Step 7 of 12	_ 🗆 X
Specify Installation Locatio		<b>11</b> <sup>g</sup>
Configure Security Updates Download Software Updates Installation Option Crid Installation Options	Specify a path to place all Oracle software and configuration-related files installed by this in owner. This location is the Oracle base directory for the installation owner.          Oracle Base:       /opt/oracle/11gR2	stallation
Product Languages	Specify a location for storing Oracle database software files separate from database configue in the Oracle base directory. This software directory is the Oracle database home directory.	iration files
linstallation Location	Software Location? /opt/oracle/11gR2/product/11.2.0/dbhome_1	Browse
Operating System Groups     Prerequisite Checks     Summary     Install Product     Finish		
Help	< Back Next > Install	Cancel

Figure 53. Oracle Database 11g Release 2 Installer: Specify Installation Location screen

\_\_\_\_10. Select the name of the OSDBA group to grant the SYSDBA privilege and click **Next**.

	Oracle Database 11g Release 2 Installer - Installing database - Step 8 of 12 📃 🗖 🗙
Privileged Operating Syste	
Configure Security Updates Download Software Updates Installation Option Grid Installation Options Product Languages Database Edition Installation Location Operating System Groups Prerequisite Checks Summary Install Product Finish	SYSDBA and SYSOPER privileges are required to create a database using operating system (OS) authentication. Membership in OSDBA grants the SYSDBA privilege, and membership in OSOPER grants the SYSOPER privilege, which is a subset of SYSDBA privileges. Select the name of the OSDBA group to grant the SYSDBA privilege. The user account you are using to run this install must be a member of this group. Database Administrator (OSDBA) Group: Database Operator (OSOPER) Group (Optional): Database Operator (OSOPER) Group (Optional):
Help	< <u>Back</u> Next > Install Cancel

Figure 54. Oracle Database 11g Release 2 Installer: Privileged Operating System Groups screen





Figure 55. Oracle Database 11g Release 2 Installer: Perform Prerequisite Checks screen

12. There might be some unfulfilled prerequisites. In the message window, click Yes to ignore them.





\_\_\_\_13. Run the following command according to the warning:

Execute Configuration scripts	×
لم The following configuration scripts need to be executed as the "root" user.	1
Scripts to be executed:	C. T. G. Contraction
Number         Script Location           1         /opt/oracle/11gR2/product/11.2.0/dbhome_1/root.sh	
To execute the configuration scripts: 1. Open a terminal window 2. Log in as "root" 3. Run the scripts 4. Return to this window and click "OK" to continue	
<u>H</u> elp OK	

Figure 57. Oracle Database 11g Release 2 Installer: Execute Configuration script

## \_\_\_\_14. Rerun a prerequisite check.

<b>_</b>	rracle Database 11g Release 2 Installer - Installing database - Step 9 of 12 📃 📃 🗙
Perform Prerequisite Check	
Configure Security Updates Download Software Updates Installation Option	Verifying that the target environment meets minimum installation and configuration requirements for products you have selected. This can take time. Please wait. 87% Checking Package: compat-libstdc++-5.0.7 (x86_64)
Product Languages     Database Edition     Installation Location     Operating System Groups	
Prerequisite Checks     Summary     Install Product     Finish	
	٢
Help	< Back Mext > Install Cancel

Figure 58. Oracle Database 11g Release 2 Installer: Perform Prerequisite Checks screen

# Install TDI7.1

\_\_\_1. Open the IBM Directory Integrator v7.1.



Figure 59. IBM Directory Integrator v7.1

\_\_\_\_2. In the Introduction screen, click **Next**.



Figure 60. IBM Directory Integrator v7.1: Introduction screen

## \_\_\_\_3. Check for previous installations and click **Next**.

1	IBM Tivoli Directory Integrator v7.1
	Previous Installations
<ul> <li>Introduction</li> <li>Previous Installations</li> <li>Software License Agreement</li> <li>Choose Install Folder</li> <li>Choose Install Set</li> <li>Solutions Directory</li> <li>TDI Server Ports</li> <li>TDI Server Service</li> <li>Integrated Solutions Console Directory</li> <li>Integrated Solutions Console Port Values</li> <li>AMC Service</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Click next to search for previous IBM Tivoli Directory Integrator installations. This may take a while
InstallAnywhere	
Cancel	Previous <u>Next</u>

Figure 61. IBM Directory Integrator v7.1: Previous installations screen

#### \_\_\_\_4. Accept the license agreement and click **Next**.



Figure 62. IBM Directory Integrator v7.1: Software License Agreement screen

\_\_\_5. Select the installation folder and click **Next**.

<u>Se</u>	IBM Tivoli Directory Integrator v7.1		_ × _
		Choose	Install Folder
<ul> <li>Introduction</li> <li>Previous Installations</li> <li>Software License Agreement</li> <li>Choose Install Folder</li> <li>Choose Install Set</li> <li>Solutions Directory</li> <li>TDI Server Ports</li> <li>TDI Server Service</li> <li>Integrated Solutions Console Directory</li> <li>Integrated Solutions Console Port Values</li> <li>AMC Service</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Please choose a destination folder for this <u>Where Would You Like to Install?</u> /opt/IBM/TDI/V7.1 <u>Restore D</u>	Choose installation.	Install Folder
InstallAnywhereCancel		<u>P</u> revious	Next

Figure 63. IBM Directory Integrator v7.1: Choose Install Folder screen



\_\_\_6. Select **Typical** as the Install Set and click **Next**.

Figure 64. IBM Directory Integrator v7.1: Choose Install Set screen

## \_\_\_\_7. You can select a solutions directory. In this case, select Do not specify and click **Next**.

<b>1</b>	IBM Tivoli Directory Integrator v7.1	_ × _
		Solutions Directory
<ul> <li>Introduction</li> <li>Previous Installations</li> <li>Software License Agreement</li> <li>Choose Install Folder</li> <li>Choose Install Set</li> <li>Solutions Directory</li> <li>TDI Server Ports</li> <li>TDI Server Service</li> <li>Integrated Solutions Console Directory</li> <li>Integrated Solutions Console Port Values</li> <li>AMC Service</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	You have the option of selecting a Solutions is a static directory where the IBM Tivoli Di Configuration Editor look for your solutions Use a subdirectory named TDI under m Use Install Directory Select a directory to use Zelect a directory to use Do not specify - use current working di	Solutions Directory s Directory. A Solutions Directory rectory Integrator Server and ny home directory tore Default Choose rectory at startup time
InstallAnywhereCancel		Previous <u>N</u> ext

Figure 65. IBM Directory Integrator v7.1: Solutions Directory screen

\_\_\_\_8. Enter the port values and click **Next**.

<ul> <li>Introduction</li> <li>Previous Installations</li> <li>Software License Agreement</li> <li>Choose Install Folder</li> <li>Choose Install Set</li> <li>Solutions Directory</li> <li>TDI Server Ports</li> <li>Server Port:</li> </ul>	Server Por	t Values
<ul> <li>Introduction</li> <li>Previous Installations</li> <li>Software License Agreement</li> <li>Choose Install Folder</li> <li>Choose Install Set</li> <li>Solutions Directory</li> <li>TDI Server Ports</li> <li>Server Port:</li> </ul>	used by IBM Tivoli Directory Integrator v	7.1
<ul> <li>Integrated Solutions Console Directory</li> <li>Integrated Solutions Console Port Values</li> <li>AMC Service</li> <li>Pre-Installation Summary</li> <li>Install Complete</li> </ul>		
Cancel	<u>P</u> revious	<u>N</u> ext

Figure 66. IBM Directory Integrator v7.1: Server Port Values screen

\_\_\_\_9. Select **Register as a system service** if you want to register the product as a system service and click **Next**.

5 <u>5</u>	IBM Tivoli Directory Integrator v7.1	×
	Register Server as Servic	e
1 Introduction		
Previous Installations	as a system service.	
<ul> <li>Software License Agreement</li> </ul>		
✓ Choose Install Folder		
🗸 Choose Install Set		
Solutions Directory		
<ul> <li>TDI Server Ports</li> </ul>	Register as a system service	
TDI Server Service	Service Name:	
$^{ m D}$ Integrated Solutions Console Directory	tdi	
>  Integrated Solutions Console Port Values		
AMC Service		
Pre-Installation Summary		
Installing		
Install Complete		
- States in the second		
and the second		700
Install An whore		
Constant Anywhere	Province -	
Cancel	<u>Previous</u>	

Figure 67. IBM Directory Integrator v7.1: Register Server as Service screen

\_\_\_\_10. Select **Register as a system service** if you want to register the Administration and Monitoring Console as a system service and click **Next**.

5 <u>5</u>	IBM Tivoli Directory Integrator v7.1	_ × _
		AMC Service
✓ Introduction	You have the option of registering the Administration	and Monitoring
Previous Installations	Console as a system service.	
✓ Software License Agreement		
🗸 Choose Install Folder		
🗸 Choose Install Set		
Solutions Directory		
TDI Server Ports	Register as a system service	
TDI Server Service	Service Name:	
<ul> <li>Integrated Solutions Console</li> <li>Directory</li> </ul>	amc	
<ul> <li>Integrated Solutions Console</li> <li>Port Values</li> </ul>		
AMC Service		
Pre-Installation Summary		
Installing		6
Install Complete		
InstallAnywhere		
Cancel	<u>P</u> re	vious <u>N</u> ext

Figure 68. IBM Directory Integrator v7.1: AMC Service screen

\_\_\_\_11. Enter the values for the integrated solutions console port and click **Next**.

12	IBM Tivoli Directory Integrator v7.1			
Integrated Solutions Console Port Values				
<ul> <li>Introduction</li> <li>Previous Installations</li> <li>Software License Agreement</li> <li>Choose Install Folder</li> <li>Choose Install Set</li> <li>Solutions Directory</li> <li>TDI Server Ports</li> <li>TDI Server Service</li> <li>Integrated Solutions Console Port Values</li> <li>AMC Service</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Enter the port values to be used by Integrated Solutions Console SE. HTTP port: 13100 HTTPS port: 13101 Action Manager API port: 13104			
Cancel	Previous Next			

Figure 69. IBM Directory Integrator v7.1: Integrated Solutions Console Port Values screen

\_\_\_\_12. Check the pre-installation summary for the product and click Next.



Figure 70. IBM Directory Integrator v7.1: Pre-installation Summary screen

#### The installation begins.



Figure 71. IBM Directory Integrator v7.1: Installation in progress screen
\_\_\_\_13. The installation completes. Click **Done**.

5 <u>5</u>	IBM Tivoli Directory Integrator v7.1		_ ×
		Install Comple	ete
<ul> <li>Introduction</li> <li>Previous Installations</li> <li>Software License Agreement</li> <li>Choose Install Folder</li> <li>Choose Install Set</li> <li>Solutions Directory</li> <li>TDI Server Ports</li> <li>TDI Server Service</li> <li>Integrated Solutions Console Directory</li> <li>Integrated Solutions Console Port Values</li> </ul>	Congratulations! IBM Tivoli Directory Integr installed. Press 'Done' to quit the installer.	ator v7.1 has been successfully	
<ul> <li>AMC Service</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>			
InstallAnywhere	Start Configuration Editor	Previous Done	

Figure 72. IBM Directory Integrator v7.1: Install complete screen

\_\_\_\_14. Finally, apply fp5:

```
/opt/IBM/TDI/V7.1/bin # ./applyUpdates.sh -update /software/tdi/fp5/
7.1.0-TIV-TDI-FP0005/TDI-7.1-FP0005.zip
./applyUpdates.sh: line 57: -Dlog4j.configuration=file:/opt/IBM/TDI/V7.1/etc/upd
ateinstaller-log4j.properties: No such file or directory
log4j:WARN No appenders could be found for logger (UpdateInstaller.UpdateInstall
erMsgs).
log4j:WARN Please initialize the log4j system properly.
CTGDK0023I Applying fix 'TDI-7.1-FP0005' using backup directory '/opt/IBM/TDI/V7
.1/maintenance/BACKUP/TDI-7.1-FP0005'.
CTGDK0027I Updating SERVER.
CTGDK0027I Updating CE.
CTGDK0027I Updating EXAMPLES.
```

Figure 73. IBM Directory Integrator v7.1: Applying fp5

# **Configure HTTP server**

## **Configure HTTP Server and plug-in**

\_\_\_1. Under System administration, click **Nodes**.

🗆 Sy	stem administration
	Cell
	Save changes to master
	Deployment manager
1	Nodes

Figure 74. System Administration > Nodes

\_\_\_\_2. Click Add Node.

Nodes
Use this page to ma address. The followir the cell and to this li
Preferences
Add Node Remo
R R # \$

Figure 75. Nodes > Add Node

\_\_\_\_3. Under Add Node, select Unmanaged node.



Figure 76. Add Node > Unmanaged node

\_\_\_\_4. Enter a host name for the new node and click **OK**.

gent running to manage the process. Unma	ation for anaged n
Configuration	
General Properties	The
* Name	sav
IHS	Ad
* Host Name	-
<pre>* Host Name </pre>	
* Distance Trees	
Apply OK Reset Cancel	ĺ.

Figure 77. Entering a host name for the new node

\_\_\_\_5. Click **Save** to save changes.



Figure 78. Messages > Save

\_\_\_6. Synchronize with all nodes.

\_\_\_\_7. Create a web server. Under **Server > Server Types**, click **Web servers**.



Figure 79. Servers > Server Types > Web servers

\_\_\_8. Click New:

#### Web servers

Use this page to view a list of the installed Web servers.

Preferences

Gen	erate Plug-in	Propagate P	lug-in New Dele	et
D	ð 👯 🚏		63	
Select	Name 🛟		Web server Type 💲	_
None				

Figure 80. Web servers > New

\_\_\_\_9. Enter a name in the Server name field and click **Next**.

Create new Web server definition Use this page to create a new Web server.				
<ul> <li>→ Step 1: Select a node for the Web server and select the Web server type</li> <li>Step 2: Select a Web server template</li> <li>Step 3: Enter the properties for the new Web server</li> <li>Step 4: Confirm new Web server</li> </ul>	Select a node for the Web server and select the Web server type Select a node that corresponds to the Web server you want to add. Select node HS Server name Server name Type IBM HTTP Server			
Next Cancel				

Figure 81. Creating new Web server definition: Entering a server name

\_\_\_\_10. Select IHS as the web server template and click Next.

Cr	Create new Web server definition				
Use this page to create a new Web server.					
	Step 1: Select a	Select a Web server template			
	server and select the Web server type	Select	the template that corresponds	s to the server	that you want to create.
	→ Step 2: Select a	444 4	*		
	Web server template	Select	Template Name	Туре	Description
	Step 3: Enter the	•	IHS	System	The IHS Web Server Template
	properties for the new Web server				
	Step 4: Confirm new Web server				
	Previous Next Cancel				

Figure 82. Creating new Web server definition: Selecting a Web server template

### \_\_\_\_11. Enter the properties for the new web server and click **Next**.

Step 1: Select a	Enter the properties for the new Web server
node for the Web	
server and select the Web server type	Enter the Web server properties.
	* Port
Step 2: Select a	80
Web server templata	* Web server installation location
template	/opt/IBM/HTTPServer
Step 3: Enter the	* Plug-in installation location
properties for the	/opt/IBM/HTTPServer/Plugins
new web server	Application mapping to the Web server
Step 4: Confirm new	All
	Enter the IBM Administration Server properties.  * Administration Server Port  8008  * Username ihsadmin  * Password ••••••••  * Confirm password ••••••••

Figure 83. Creating new Web server definition: Entering the properties for the new Web server

## 12. Confirm the new web server and click **Finish**.

Create new Web server definition				
Use this page to create a new Web server.				
Step 1: Select a	Confirm new Web server			
server and select the Web server type	The following is a summary of your selections. Click the Finish button to complete the Web server creation. If there are settings you wish to change, click on Previous button to review the server setting			
Step 2: Select a Web server template Step 3: Enter the properties for the new Web server Step 4: Confirm new Web server	Summary of actions: New Web server entry "webserver1" will be created on node "IHS" Platform Type "Windows" Web server installation root "C:\IBM \HTTPServer" Plug-in installation root "c:\IBM \HTTPServer\Plugins". .::			
Previous Firish Cancel				

Figure 84. Creating new Web server definition: Confirming the new Web server

### \_\_\_\_13. Click **Save** to save your changes.

Ξ	Messages
	🗓 New server is created successfully.
	U Modify variables, resources, and other server configuration settings, such as message broker queue names before running the newly created server.
	🛆 Changes have been made to your local configuration. You can:
	<ul> <li><u>Saye</u> directly to the master configuration.</li> </ul>
	• R w changes before saving or discarding.
	An option to synchronize the configuration across multiple nodes after saving can be enabled in <u>Preferences.</u>
	$\Delta$ The server may need to be restarted for these changes to take effect.

Figure 85. Saving changes

### \_\_\_\_14. Under Web servers, click Start.

#### Web servers

Use this page to view a list of the installed Web servers.

Generate Plug-in Propagate	Plug-in New Delete Te	mplates Styrt Stop
C C 👯 🛠		W
Select Name 🛟	Web server Type 💲	Node 🐎 🔤 🕴
You can administer the followin	g resources:	
webserver1	IBM HTTP Server	IHS
Total 1		

Figure 86. Starting the new server

You receive a message that the server successfully started.

eb servers					
🖻 Messages	Messages				
IHS/web	IHS/webserver1 server started successfully.				
Web servers					
Use this page to view a list of the	e installed Web servers.				
Generate Plug-in Propagate P	Plug-in New Delete Te	mplates Start Stop			
Select Name 🛟	Web server Type 💲	Node 💭 _			
You can administer the following resources:					
webserver1	IBM HTTP Server	IHS			

Figure 87. Server successfully started

- \_\_\_\_15. Synchronize with all nodes.
- \_\_\_\_16. Generate and propagate Plug-in.
- \_\_\_\_ 17. Under Servers, click Web servers.

E Servers		
New server		
🖃 Server Types		
WebSphere application servers		
WebSphere proxy servers		
Generic servers		
Version 5 JMS servers		
WebSphere MQ servers		
Web servers		

Figure 88. Servers > Web servers

### \_\_\_\_18. Click Generate Plug-in.

web	servers		
Use t	his page to view a list o	f the installed Web servers.	
E Pre	eferences		
Ge	nerate Rug-in Propag	ate Plug-in New Delete Tem	plates
Ø	0 # #		
Select	Name 🗘	Web server Type 💲	No
You	can administer the follo	owing resources:	
-	webserver1	IBM HTTP Server	IH
1	webserver1	IBM HTTP Server	I

Figure	89.	Generate	Plua-in
riguio	00.	acherate	i iug iii

\_\_\_\_19. Click Propagate Plug-in.

#### Web servers

Use this page to view a list of the installed Web se

Generate Plug-in Propagite Plug-in New				
	°. 1₩\$			
Select	Name 🛟	Web server Type		
You can administer the following resources:				
•	webserver1	IBM HTTP Server		

Figure 90. Propagate Plug-in

\_\_\_\_20. Click webserver1.

+ Preierences		
Generate Plug-in Propagate Plug-in Ne		
Select	Name 🛟	Web server
You can administer the following resources:		
IBM HTTP S		
Total 1		

Figure 91. Administering webserver1

\_\_\_\_21. Click **Plug-in properties**.

Соп	figuration settings
	Web Server Virtual Hosts
1	Global Directives
Add	itional Properties
	Log file
	Configuration File
-	Plug-in properties
U	se this page to configure a Web server plug
a	Web server to WebSphere(R) application se



\_\_\_\_22. Click Copy to Web server key store directory.

	Ignore DNS failures during Web server startup
1.	
* Refi	resh configuration interval
60	seconds
Rep	ository copy of Web server plug-in files:
	* Plug-in configuration file name
	plugin-cfg.xml View
	Automatically generate the plug-in configuration file
	······································
	🗹 Automatically propagate plug-in configuration file
	* Plug-in key store file name
	plugin-key.kdb
	Manage keys and certificates
	Copy to Web server key store directory

Figure 93. Copy to Web server key store directory

\_\_\_\_23. Fully synchronize to all nodes.

### \_\_\_\_24. Restart webserver1. Click Start.

#### Web servers

Use this page to view a list of the installed Web servers.

#### 

Generate Plug-in New Delete Templates Styt Stop				
Select	Name 🛟	Web server Type 💲 🔤	Node 🐎 🔤 H	
You c	an administer the following	g resources:		
◄	webserver1	IBM HTTP Server	IHS 1	
Total 1				

Figure 94. Restarting webserver1

# **Configure HTTP Server for SSL**

## Create self-signed key for SSL

\_\_\_\_1. Enter a file name for the key for SSL and click **OK**.

Key database type	CMS -	
Key uacavase cype	CMS	
<u>F</u> ile Name:	[HS]key.kdb	<u>B</u> rowse
Location:	/opt/IBM/HTTPServer/bin/./	
	OK Cancel	

Figure 95. Entering a name for the key for SSL

\_\_\_\_2. Introduce a password when prompted and click **OK**.

Password Prompt X
•••••
•••••
3600 <b>Days</b>
to a file
Reset Cancel

Figure 96. Password prompt

\_\_\_3. The IBM Key Management opens. Click New Self-Signed.

<u>8</u>	IBM Key Management - [/opt/IBM/HTTPServer/bin/./IHSkey.kdb]	_ = ×
Key Database <u>F</u> il	e <u>C</u> reate <u>V</u> iew <u>H</u> elp	
	Key database information	
DB-Type:	CMS	
File Name:	/opt/IBM/HTTPServer/bin/./IHSkey.kdb	
Token Label:		
	Key database content	
Personal Certifi	cates 🗸 🗸	Rece <u>i</u> ve
		Delete
		Vie <u>w</u> /Edit
		Import
		Recre <u>a</u> te Request
		Rena <u>m</u> e
		New Self-Signed
		Create a new self-signed
The requested ac	tion has successfully completed!	

Figure 97. IBM Key Management: Key database information

\_\_\_\_4. In the Create New Self-Signed Certificate window, enter a common name and click **OK**.

Create New	Self-Signed Certificate 🗙 🗙
Please provide the following:	
<u>K</u> ey Label	IHS
Version	X509 V3 🔻
K <u>e</u> y Size	1024 💌
<u>S</u> ignature Algorithm	SHA1WithRSA 👻
Co <u>m</u> mon Name (optional)	<common (optional)="" name=""></common>
Organization (optional)	
Org <u>a</u> nizational Unit (optional)	
Locality (optional)	
S <u>t</u> ate/Province (optional)	
Zipcode (optional)	
Co <u>u</u> ntry or region (optional)	
Val <u>i</u> dity Period	3650 Days
	<u>R</u> eset <u>C</u> ancel

Figure 98. Create New Self-Signed Certificate window

\_\_\_5. Enable and update the following lines in /opt/IBM/HTTPserver/conf/httpd.



Figure 99. SSL configuration example

# Add certificates to the WebSphere truststore

## Add SSL certificates to WebSphere truststore

\_\_\_1. In the SSL certificate and key management, click Retrieve from port.

SSL certificate and key management					
<u>SSL certificate and key management</u> > <u>Key stores and certificates</u> > <u>CellDefaultTrustStore</u> > Signer certificates Manages signer certificates in key stores.					
Preferences					
Add Delete Extra	Add Delete Extract Retrieve from part				
Select Alias 🛟	Issued to 🗘	Fingerprint (SHA Digest) 💲			
You can administer the f	ollowing resources:				
<u>datapower</u>	OU=Root CA, O="DataPower Technology, Inc.", C=US	A9:BA:A4:B5:BC:26:2F:5D:2A:80:93:CA:BA:F4			
	CN= OU=Root Certificate, OU= Cell01, OU= CellManager01, O=IBM, C=US	EA:F0:5D:FB:71:61:8B:49:5C:C0:83:85:C1:4/			
Total 2					

Figure 100. the SSL certificate and key management

\_\_\_\_2. Enter the host and click **Retrieve signer information**.

	eneral Properties
÷	Host
	<host></host>
÷	Port
	443
[	Alias
	IHS
	Retrieve signer information

Figure 101. SSL certificate and key management

\_\_\_\_3. Enter the retrieved signer information and click **OK**.

_	st
<h< th=""><th>ost&gt;</th></h<>	ost>
Po	rt (
44	3
Ce	configuration for outbound connection
Ali	as S
Re	
Re	etrieve signer information
Re S	etrieve signer information etrieved signer information Serial number 1346140762
Re 9 [	etrieve signer information etrieved signer information Gerial number 1346140762 Essued to
Re 5 [ 1	etrieve signer information Serial number 1346140762 Issued to CN=
Re [ ] ]	etrieve signer information Serial number 1346140762 Serial to CN=
Re : [ [ ] ] ] ]	etrieve signer information Serial number 1346140762 Issued to CN= Ssued by CN=
Re [ [ ] ] ] [ ] [ ] ] ] ] ] ] ] ] ] ] ]	etrieve signer information Serial number 1346140762 Essued to CN= Essued by CN= Essued by CN=
Re : [ ] ] ] [ [ [ [	etrieve signer information Serial number 1346140762 Ssued to CN= Ssued by CN= Fingerprint (SHA digest) 6C:C6:1C:2C:28:96:C3:A8:BA:F6:85:53:00:42:4D:CF:AE:A1:65:B2
Rec 5	etrieve signer information Serial number 1346140762 Issued to CN= Issued by CN= Ingerprint (SHA digest) 6C:C6:1C:2C:28:96:C3:A8:BA:F6:85:53:00:42:4D:CF:AE:A1:65:B2 /alidity period

Figure 102. Retrieved signer information

### \_\_\_\_4. Next, click ihs.

Add	Add Delete Extract Retrieve from port				
Select	Alias 🛟	Issued to 🗘	Fingerprint (SHA Digest) 🗘		
You	an administer the f	ollowing resources:			
	<u>datapower</u>	OU=Root CA, O="DataPower Technology, Inc.", C=US	A9:BA:A4:B5:BC:26:2F:5D:2A:80:93:CA:BA:F4:31:05:F2:54:14:17		
	1	CN=	6C:C6:1C:2C:28:96:C3:A8:BA:F6:85:53:00:42:4D:CF:AE:A1:65:B2		
	root	CN= OU= OU= Cell01, OU= CellManager01, O=IBM, C=US	EA:F0:5D:FB:71:61:8B:49:5C:C0:83:85:C1:4A:AB:75:9E:0D:D6:6C		
Total	Total 3				

Figure 103. Resources administration

### \_\_\_\_5. Fully synchronize to both nodes. Click **Full Resynchronize**.

Nodes Use thi followir clicking	is page to manage nodes in the ap ng table lists the managed and unr Add Node.	plication server environment. A nanaged nodes in this cell. The	node corresponds to a physical co first node is the deployment man:	mputer system with a distinct IP host ager. Add new nodes to the cell and t	address. The o this list by
Add	Node Remove Node Force Del	ete Synchronize Full Resyn	nchronize Stop		
Gelect	Name 🗘	Host Name 🗘	Version 🗘	Discovery Protocol 🗘	Status ሷ
You c	an administer the following resourc <u>IHS</u>	es: <host name=""></host>	Not applicable	тср	
	KResource> CellManager01	<host name=""></host>	ND 7.0.0.21	тср	•
<b>v</b>	<resource> Node01</resource>	<host name=""></host>	ND 7.0.0.21	тср	(3)
	(Recourse) in dear	(Host name)	ND 7.0.0.21	TCP	656

Figure 104. Fully resynchronizing to both nodes

# **Configure WebSphere Application Server security**

## Configure the federated repository

\_\_\_\_1. Go to Security > Global security.

🖂 Se	curity			
	Global	secu	rity	
-				

Figure 105. Global security

\_\_\_\_2. Select Enable application security.

Global security
<b>Global security</b> Use this panel to configure administration all administrative functions and is used as
customize the security policies for user ap
Security Configuration Wizard
Administrative security
🗹 Enable administrative security 👘
1
1
Application security
🗹 Enable application security

Figure 106. Application security enablement

3.	Click	Configure
----	-------	-----------

Current realm definition		~	
Federated repositories		L	
Available realm definitions			
Federated repositories	-	Configure	Set as curre



\_\_\_\_4. In the Related Items section, click Manage repositories.

☑ Ignore case for authorization

Repositories in the realm:				
Add Base entry to Realm Use built-in repository Remove				
Select	Base Entry	Repository Identifier	Repos	
You can administer the following resources:				
	o=defaultWIMFileBasedRealm	InternalFileRepository	File	

Additional Properties	Related Items
<ul> <li>Property extension repository</li> <li>Entry mapping repository</li> </ul>	<ul> <li>Maninge repositories</li> <li>Trusted authentication realms - int</li> </ul>
Supported entity types	

Figure 108. Related items > Manage repositories

\_\_\_5. Click Add.

#### <u>Global security</u> > <u>Federated repositories</u> > Manage repositories

Repositories that are configured in the system are listed in the following 1

Preferences

िविष	Delete
Select	Repository Identifier 🛟
You car	n administer the following resources:
	InternalFileRepository
Total 1	

Figure 109. Global security > Federated repositories > Manage repositories

\_\_\_\_6. In the General Properties window, enter a repository identifier, the directory type, a primary host name, and port, and click **Add**.

eneral Properties	
Repository identifier	
<repository identifier=""></repository>	
LDAP server	Security
* Directory type	Bind distinguished name
Microsoft Windows Active Directory	<bind distinguished="" name=""></bind>
* Primary host name Port	Bind password
<primary host="" name=""> 389</primary>	•••••
	Login properties
Failover server used when primary is not available:	uid
Delete	LDAP attribute for Kerberos principal name
Select Failover Host Name Port	userprincipalname
	Certificate mapping
None	EXACT_DN
Add	Certificate filter
Support referrals to other LDAP servers	
ignore 💟	Require SSL communications
	Centrally managed
	Manage endpoint security configurations
	O Use specific SSL alias
	CellDefaultSSLSettings V

Figure 110. General properties window

\_\_\_\_7. Next, click Add Base entry to Realm...

lobal security		
Global security > Federated repositories By federating repositories, identities stored in multiplased repository that is built into the system, in on General Properties * Realm name	ple repositories can be managed in a single, vi e or more external repositories, or in both the	rtual realm. The realm can consi built-in repository and one or mo
<realm name=""> * Primary administrative user name wasadmin</realm>		
Server user identity  Automatically generated server identity  Server identity that is stored in the repository  Server user ID or administrative user on a Ver Password	rsion 6.0.x node	
✓ Ignore case for authorization Repositories in the realm:		
Add Base entry to Realm Use built	t-in repository Remove	
Select Base Entry	Repository Identifier	Repository Type
You can administer the following resources:		
C C C C C C C C C C C C C C C C C C C	< <u>Repository identifier&gt;</u>	LDAP:AD
o=defaultWIMFileBasedRealm	InternalFileRepository	File
Total 2		

Figure 111. Adding base entry to the realm

\_\_\_\_8. Restart all DM and Nodes.

## Set WebSphere Application Server admin as a user in the LDAP

- \_\_\_1. Log in to WebSphere Application Server console as WebSphere Application Server administrator.
- \_\_\_\_2. Expand the section of **Users and Groups**, then **Administrative user roles**.
- \_\_\_\_3. Click **Add** to add a role.

#### Administrative user roles

Use this page to add, update or to remove a administer application servers through the ad time must be notified when groups are addec administrative authorizer after the changes h

Logout Add Remove Refresh all				
Select	User 🛟	Role(s) 🗘		
	wasadmin	Primary admini		
Total 1				

Figure 112. Administrative user roles: Adding a role

\_\_\_\_4. Press **Shift** to select both Admin Security Manager and Administrator.



Figure 113. Selecting the roles

\_\_\_\_5. Search for a user in the LDAP, select it and map it to the role by clicking the right arrow.

Search and Select Users
Decide how many results to display, enter a search string (use * for wildcar and add them to the Mapped to role list. Users which have already been m
Search string
Aamir_* Search
Maximum results to display 20
Available Mapped to role
Aamir_000_000 Aamir_003_000 Aamir_005_000 Aamir_005_000 Aamir_006_000 Aamir_009_000 Aamir_010_000 Aamir_011_000 Aamir_012_000 Select All Deselect All Deselect All
OK Reset Cancel

Figure 114. Search and Select Users

\_\_\_\_6. Click OK and Save. Now this user is listed here.

Logout Add Remove Refresh all		
Select	User 🛟	Role(s) 🗘
	<u>Aamir 000 000</u>	Administrator, Admin Security Manager
	wasadmin	Primary administrative user name

Figure 115. New user is added to the list

\_\_\_\_7. Expand Security and select Global security.

l	🖂 Security
l	Globalgecurity
l	Secury 2 domains
l	Admin Global security ration Groups
l	SSL certificate and key management
	Security auditing
	Bus security
l	JAX-WS and JAX-RPC security runtime

Figure 116. Security > Global security

\_\_\_\_8. Click Configure...

ser account repository		
Current realm definition		
Federated repositories		
and the balance of the state of		
Available realm definitions Federated repositories	-	Configure
Federated repositories	•	Configure

Figure 117. User account repository

\_\_\_\_9. Change the Primary administrative user name to the LDAP user you mapped as Administrator.

General Properties
* Realm name defaultWIMFileBasedRealm
* Primary administrative user name Aamir_000_000
Server user identity
ullet Automatically generated server identity
Server identity that is stored in the repository Server user ID or administrative user on a Ver

Figure 118. General Properties: Primary administrative user name

- \_\_\_\_10. Click **OK** and **Save**.
- \_\_\_\_11. Fully Synchronize to all nodes and restart the whole cell.

# Side by Side DB Migration

## Create 301 DB on target server

\_\_\_\_1. Create Oracle Instance on target 4.0 DB server. Run the following command:

oracle@<host name>:/mnt/Wizards> netca

Figure 119. Target 4.0 DB server

\_\_\_\_2. The Oracle Net Configuration Assistant opens. On the Welcome screen, click Next.

	Oracle Net Configuration Assistant: Welcome	×
	Welcome to the Oracle Net Configuration Assistant. This tool will take you through the common configuration steps, listed below. Choose the configuration you would like to do: <ul> <li>Listener configuration</li> <li>Naming Methods configuration</li> <li>Local Net Service Name configuration</li> <li>Directory Usage Configuration</li> </ul>	
Cancel Help	) (< Back Next >)	

Figure 120. Oracle Net Configuration Assistant: Welcome screen

\_

3.	On the Listener	Configuration screen.	select Add	and click Next.
_ 0.		Configuration Solution		

Oracle Net Configuration Assistant: Listener Configuration, Listener		
	For remote connections to be made to your Oracle database, you must configure a Oracle Net listener. The Oracle Net Configuration Assistant allows you to add, reconfigure, rename or delete a listener. Select what you want to do:	
	@ Add	
	C Reconfigure	
	C Delete	
	C Rename	
Cancel Help	S Back Next >	-

Figure 121. Oracle Net Configuration Assistant: Listener Configuration screen

_4. Enter a listener name and c	lick <b>Next</b> .	
Oracle Net Config	uration Assistant Listener Configuration, Listener Name	×
	For remote connections to be made to your Oracle database you must have at least one Oracle Net listener. Enter the name of the listener you want to create: Listener name: LISTENER	
Cancel Help	Seck Next >	

Figure 122. Oracle Net Configuration Assistant: Listener Configuration screen: Entering a listener name

Orac	Oracle Net Configuration Assistant: Listener Configuration, Select Protocols		
	You can configure the listener to accept connections over on more protocols. Select which protocols you want to configure this listener. Keep your configuration as simple as possible configuring only the protocols you need.	ie or e for by	
	Available Protocols Selected Protocols TCPS IPC		
	lelp	,	

Figure 123. Oracle Net Configuration Assistant: Listener Configuration screen: Select Protocols

6.	5. Select the port number that other software on your computer should not use, and click <b>Next</b> .			
	Oracle Net Conf	iguration Assistant: Listener Configuratio	n, TCP/IP Protocol	×
		Which TCP/IP port number shoul number selected should not be on this computer. © Use the standard port number O Use another port number:	ld the listener use? The port used by any other software r of 1521 1521	
	Cancel Help	S Back	Next Next	

Figure 124. Oracle Net Configuration Assistant: Listener Configuration screen: TCP/IP Protocol



Figure 125. Oracle Net Configuration Assistant: Listener Configuration screen: More Listeners?

	Oracle	Net Configuration Assistant: Welcome
		Welcome to the Oracle Net Configuration Assistant. This tool will take you through the common configuration steps, listed below.
		Choose the configuration you would like to do: Eistener configuration
		O Naming Methods configuration
X	132	O Local Net Service Name configuration
455		O Directory Usage Configuration
Cancel )	Help )	( < Back Next ≫ ) (

Figure 126. Oracle Net Configuration Assistant: Welcome screen

Now you must configure the Oracle database. Follow these steps:

\_\_\_1. Run the following command to open the Database Configuration Assistant.

```
oracle@ <host name> :/mnt/Wizards> dbca
```

Figure 127. Target 4.0 DB server

2. In the welcome screen of the Database Configuration Assistant, click Next.



Figure 128. Database Configuration Assistant: Welcome

In the Operations s	creen, select Create a Database and click Next.	
Ē	Database Configuration Assistant, Step 1 of 12 : Operations	_ 🗆 🗙
	Select the operation that you want to perform: © Create a Database © Configure Database Options © Delete a Database © Manage Templates ASM configuration operations must be performed using Automatic Sto Management Configuration Assistant (ASMCA) from Oracle Grid Infras	orage structure home.
Cancel Help	🕓 Back 🛛 Next 🔊	

Figure 129. Database Configuration Assistant: Operations

\_\_\_\_4. In the Database Templates screen, select **General Purpose or Transaction Processing** and click **Next**.

0	Database Go	onfiguration Assistant, Step 2 of 12 . Database Templates	_ = ×
	Template new data only wher cannot be	s that include datafiles contain pre-created databases. Th base in minutes, as opposed to an hour or more. Use tem n necessary, such as when you need to change attributes li a altered after database creation.	iey allow you to create a plates without datafiles ke block size, which
	Select	Template	Includes Datafiles
	9	General Purpose or Transaction Processing	Yes
	0	Custom Database	No
Thereitation	0	Data Warehouse	Yes
And Constrained and Constraine			
-			Show Details
Cancel Help		Back I	Next 🔊

Figure 130. Database Configuration Assistant: Database Templates

\_\_\_\_5. In the Database Identification screen, enter a global database name and an Oracle System Identifier (SID) and click **Next**.

	Database Configuration Assistant         An Oracle database is unio         "name.domain".         Global Database Name:         A database is referenced to any other instance on this of SID:	, Step 3 of 12 : Database ide quely identified by a Glo ISCONN by at least one Oracle in computer by an Oracle ISCONN	ntification obal Database Name, typically of th istance which is uniquely identified System Identifier (SID).	e form
Cancel Help	)		(⊰ Back Next ≫)	

Figure 131. Database Configuration Assistant: Database IdentificationDatabase Configuration Assistant: Database Identification

\_\_\_\_6. In the Management Options screen, Enterprise Manager tab, select **Configure Enterprise Manager** and Configure Database Control for local management, and click **Next**.

	Database Configuration Assistant, Step 4 of 1	2 Management Options	- ¤ ×
	Enterprise Manager Aut	omatic Maintenance Tasks entralized management ts Found	
	Configure Database Control for Centrol Daily Disk Backup to F Backup Start Time: OS Usemame: OS Password:	Iocal management Recovery Area	
Cancel Help	)	الله الله الله المراجع الله المراجع الله المراجع الله المراجع الله المراجع الله الله الله المراجع الله الله المراجع اللله المراجع الله مراجع المراجع الله مراجع المراجع المراجع الله مراجع المراجع الله مراجع مراجع الله مراجع الله مراجع الله مراجع مراجع مراجع مراجع المراجع مراجع م	

Figure 132. Database Configuration Assistant: Management Options
and the second	OUse Different Adminis	strative Passwords	
	User Name	Password	Confirm Password
	SVS		
	SYSTEM		
	DBSNMP		
	SYSMAN		
	Password:	******	
	Confirm Password: 🛛	*****	

Figure 133. Database Configuration Assistant: Database Credentials

8. If the password does not satisfy Oracle recommended password complexity policy, click Yes in the warning message window to continue.



Figure 134. Database Configuration Assistant: Warning message

\_\_\_\_9. Specify the storage type and the locations for the database files and click **Next**.

<b>0</b> 1	atabase Configuration Assistant, S	itep 6 of 12 : Database File Locations	_ = ×
	Specify storage type and loc	ations for database files.	
	Storage Type:	File System	<b>*</b>
	Storage Locations:		
	Use Database File Locat	ions from Template	
	O Use Common Location f	or All Database Files	
Number	Database Files Location:		Browse)
The Contract of Co	OUse Oracle-Managed Fi	es	
Theory and an original sectors and a sector	Database Area:		Browse)
And a starting and a	Multiplex Redo Logs a	nd Control Files)	
Alexandree	if you want to specify options except Oracl each file location. If y the names for datab	/ different locations for any database e-Managed Files and use the Storag /ou use Oracle-Managed Files, Oracl ase files, which can not be changed	e files, pick any of the above e page later to customize e automatically generates on the Storage page.
			File Location Variables)
Cancel Help		( gack	<u>Nert</u> >

Figure 135. Database Configuration Assistant: Database File Locations

_ 10. Choose the recov	ery options for the databa	ase and click <b>Next</b> .
	Database Configuration Assistant, Step 7	of 12 . Recovery Configuration 📃 🗖 🗙
	Choose the recovery options for Specify Fast Recovery Area This is used as the default for also required for automatic o recommends that the databa disks for data protection and	the database: In all disk based backup and recovery operations, and is disk based backup using Enterprise Manager. Oracle ase files and recovery files be located on physically different a performance.
Viduality and	Fast Recovery Area.	(UKACLE_BASE)/Tast_recovery_a Browse
Water Schemann Schemannen Hausschlassen Hausschlassen Water Schemannen Water Schemannen	Past Netovery Area Size.	VIL22
Artista Artist	Enable Archiving	(Edit Archive Mode Parameters) File Location Variables)
Cancel Help	)	<u>S</u> Back <u>Next</u> <u>Finish</u>

Figure 136. Database Configuration Assistant: Recovery Configuration

\_\_\_\_11. In the Initialization Parameters screen, Character Sets tab, select **Use Unicode** (AL32UTF8) and click Next.

0	Database Configuration Assistar	nt, Step 9 of 11 :	Initialization Parameters		_ 🗆 🗙
	Memory	Sizina	Character Sets	Connection Mode	
	- Database Character S	ot	Character Sets	Connection mode	
		e			
martine V	C Use the default				
	The default character set for this database is based on the language setting of this operating system: WE8MSWIN1252.			) of this	
	Use Unicode (AL32U	JTF8)			
	Setting character se groups.	et to Unicode (	AL32UTF8) enables y	vou to store multiple la	anguage
	C Choose from the list	C Choose from the list of character sets			
	Database Characte	r Set: 🛛 🗛 🖂	2UTE8 - Unicode UTE	-8 Universal characte	r set 🐳
		INC DAIL	ow recommended ch	aracter sets only	
	National Character Set		16 Unicodo UTE 1	C Universal character	
	National Character Set	ALIOUT	16 - Unicude UTF-1	o universai character :	set 🔹
9	Default Language:	American	Ľ.		•
	Default Territory	United St	ates		
	Derdak Ferniory.	Louiscan	<u></u>		
	All Initialization Parame	eters)			
					33
Cancel Help	)		S Ba	ick Next >	Einish

Figure 137. Database Configuration Assistant: Initialization Parameters

\_\_\_\_12. The Database Storage screen is displayed. Click Next.

0ŧ	Database Configuration Assistant, Step 10 of 11 : Database Storage 📃 🗖 🗙
Generalize         - Image         - Image	<section-header>Database Storage page, you can specify storage parameters for database for a displays a tree listing and summary view (multi-column lists) to each you to change and view the following objects:           0.         Control files           1.         Tablespaces           0.         Datafiles           1.         Rodo Log Groups           Tom any object type folder, click Create to create a new object. To delete an object, seet the specific object from within the object type folder and click Delete.           Important: If you select a database template including data files, then you will not be able to add or remove data files, tablespaces, or rollback segments. Selecting this type for template including data files, then you will not be able to add or remove data files, tablespaces, or rollback segments. Selecting this type for template including data files, then you will not be able to add or remove data files, tablespaces, or rollback segments. Selecting this type for template enables you to change the following.           0.         Destination of the datafiles           0.         Destination of the datafiles           0.         Tom re information, refer to the Oracle Database Storage Administrator's Cuide.</section-header>
Create Delete	File Location Variables)
Cancel Help	<u>Sack</u> <u>Next</u> <u>Einish</u>

Figure 138. Database Configuration Assistant: Database Storage

## \_\_\_\_13. Select **Create Database** as creation option and click **Finish**.

0:	Database Configuration Assistant, Step 11 of 11 : Creation Options	_ 🗆 🗙
	Select the database creation options:  Create Database  Save as a Database Template  Name:  LSCONN  Description:	
	Generate Database Creation Scripts Destination Directory:	эе
Cancel Help	( 3 Back Next > ) (En	ish )

Figure 139. Database Configuration Assistant: Creation Options

\_\_\_\_14. A Create Database summary is displayed. Click **OK** to confirm.

	Confirmation	×
The following operations will k	e performed:	
A database tailed IBCONN	will be created.	
Database Details:		_
Creat	e Database – Summary	
Database Configur	ation Summary	
Global Database Na	me: LSCONN	
Database Configuration T	ype: Single Instance	- 81
	SID: LSCONN	- 84
Management Option T	ype: Database Control	- 8
Storage T	/pe: File System	- 84
Memory Configuration T	pe: Automatic Shared Memory Management	- 84
e de la companya de l		- 84
Database Configur	ation Details	- 8
Database Componen	-	- 8
Database componen		- 84
Component	Selected	- 84
Oracle JVM	true	- 84
Oracle Text	true	- 81
Oracle XML DB	true	<b>.</b>
	Save as an HTM	AL file
	( O[S   Cancel ) Help )	

Figure 140. Database creation summary: Confirmation

The database creation begins.

	Database Configuration Assistant	×
Information Management High performance schema-less XML	<ul> <li>Copying database files</li> <li>Creating and starting Oracle instance</li> <li>Completing Database Creation</li> </ul>	
DICOM medical imaging Transparent tablespace encryption	Clone database creation in progress 74% Log files for the current operation are located at: /opt/oracle/11gR2/cfgtoollogs/dbca/LSCONN	
	(Stop)	

Figure 141. Database Configuration Assistant: Database creation in progress

\_\_\_\_15. The database creation completes. Click **Finish**.

	Database Configuration Assist	ant	<
Database creation complete. F /opt/oracle/11gR2/cfgtoollog	or details check the logfiles at: s/dbca/LSCONN.		
Database Information: Global Database Name: System Identifier(SID): Server Parameter File name:	LSCONN LSCONN /opt/oracle/11gR2/product/11	2.0/dbhome_1/dbs/spfileLSCONN.ora	
The Database Control URL is h	ttps:// <http address="" database<="" for="" td="" the=""><td>Control&gt;</td><td></td></http>	Control>	
Management Repository has by encrypted. The encryption key /dbhome_1/dubxpcvm543.mt backed up as the encrypted da	een placed in secure mode when / has been placed in the file: /op II.ie.ibm.com_LSCONN/sysman/c ata will become unusable if this fi	ein Enterprise Manager data will be t/oracle/11gR2/product/11.2.0 config/emkey.ora. Ensure this file is ile is lost.	
Note: All database accounts ex Management button to view a c (except DBSNMP). From the Pa Oracle Corporation strongly rec the account.	cept SYS, SYSTEM and DBSNMP a complete list of locked accounts o ssword Management window, unl commends changing the default p	are locked. Select the Password or to manage the database accounts lock only the accounts you will use. basswords immediately after unlocking Password Management	
	(Exit)		
Help		Back     Next     Einis	h 🔊

Figure 142. Database Configuration Assistant: Database creation completion

# Create 301 database on the target 4.0 DB server by using Database wizard for Lotus Connections 3.0.1

\_\_\_\_1. Run the following command to open the Database wizard for Lotus Connections 3.0.1.

oracle@ <host name> /ICbuild/301/Wizards> ./dbWizard30.sh

Figure 143. Command to open the Database wizard for Lotus Connections 3.0.1

\_\_\_\_2. In the welcome screen of the Database wizard for Lotus Connections 3.0.1, click Next to continue.

Database wizard for Lotus Connections 3.0.1	_ = ×
Database wizard for Lotus Connections 3.0.1	us. Connections
This wizard can create, delete or upgrade the Lotus Connections databases. To access information about this product, see the IBM Support Web site: http://www-10.lotus.com/ldd/lcwiki.nsf/xpViewCategories.xsp?lookupName=Lotus Connections 3 documentation	IBM.
To continue, click Next.	
Licensed Materials - Property of IBM. License L-CMAS-8D9PLG OCopyright IBM Corporation and its licensors 2007, 2011. All Rights Reserved. IBM. the IBM logo, ibm.com and Lotus are trademarks of IBM Corporation in the United States, other countries, or both. Other company, productor service names may be trademarks or service marks of others. A current list of IBM trademarks is available on the Web at www.ibm.com/legalkcopytrade.shtml. U.S. Government Users Restricted Rights: Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp. Please see the About page for further information.	
<u>Back</u>	Cancel

Figure 144. Database wizard for Lotus Connections 3.0.1: Welcome screen

\_\_\_\_3. In the Database task selection screen, select Create and click Next.

	Database wizard for Lotus Connections 3.0.1	_ = X
Database task selection		Lotus. Connections
Select the database task:  Create Delete Upgrade operation only for Lotus	Connections database 3.0.0 to 3.0.1	IBM.
	Back	ext <u>C</u> ancel

Figure 145. Database wizard for Lotus Connections 3.0.1: Database task selection screen

## \_\_\_\_4. In the Database selection screen, select **Oracle Enterprise Edition** and click **Next**.

<b>(</b>	Database wizard for Lotus Connections 3.0.1	_ O X
Database selection		Lotus. Connections
Select the database type, installation location	n, and database instance.	
DB2 Universal Database (TM)     Oracle Enterprise Edition		IBV.
Database installation location: (If you are connecting to an Oracle database registry key named "ORACLE_HOME." For e \SOFTWARE\ORACLE\Key_OraDb11g_hom \Administrator\product\11.2.0\dbhome_1.)	that is installed on a Windows 2008 64-bit operating system, then enter the value of the xample, if the value of the ORACLE_HOME registry key HKEY_LOCAL_MACHINE e1\ORACLE_HOME is C:\app\Administrator\product\11.2.0\dbhome_1 then enter C:\app	
/opt/oracle/11gR2/product/11.2.0/dbhome_	Brows	ie
LSCONN		
	Back	Cancel

Figure 146. Database wizard for Lotus Connections 3.0.1: Database selection screen

5.	In the Applications	selection screen,	select all options	available and click Nex

	Database wizard for Lotus Connections 3.0.1	_ = ×
Applic	ations selection	
		otus. Connections
Selec Note:	t the applications for which you want to create databases. You cannot select applications that already have databases. The Search and News repository applications are contained in the Home page database.	
7	Activities	▋█▋▓▌ᢀ
	Blogs	
•	Communities	1
✓	Bookmarks	
∢	Profiles	
4	Home page	
•	Wikis	
•	Files	
•	Forums	
-	Select All	
	Back Next	Cancel

Figure 147. Database wizard for Lotus Connections 3.0.1: Applications selection screen

\_\_\_6. In the Database authentication for applications screen, enter and confirm a password, and click **Next**.

۵	Data	base wizard for Lotus Connections 3	.0.1	_ = ×
Database authenticatio	on for applications			
			Lo	tus. Connections
-				
Specify the passwords	for the newly created database users.			
Use the same pas	ssword for all applications			IEM
	Password	Confirm password		
	•••••		]	
Create different pa	asswords for each application			
	Database usemame	Password	Confirm password	
Activities	OAUSER			
Blogs	BLOGSUSER	]/[		
Communities	SNCOMMUSER			
Bookmarks	DOGEARUSER			
Profiles	PROFUSER			
Home page	HOMEPAGEUSER	](		
Wikis	WIKISUSER			
Files	FILESUSER	]		
Forums	DFUSER	] [		
		-		
		Back	Next	<u>C</u> ancel

Figure 148. Database wizard for Lotus Connections 3.0.1: Database authentication for applications screen

\_\_\_\_7. Check the pre-configuration task summary and click **Create**.

Database wizard for Lotu	is Connections 3.0.1	_ = ×
Pre-configuration task summary		
		otus <sub>a</sub> Connections
Lotus Connections is ready to create databases for the following applications.		==== <i>=</i>
Action: Create Lotus Connections database		≏ ⊥ <u>≂</u> ivl∘
Database type: Uracle Enterprise Edition Database install location: /opt/oracle/11gR2/product/11.2.0/dbhome_1		
Database instance: LSCONN The selected applications are: Activities, Blogs, Communities, Bookmarks, Profile:	s. Home page, Wikis, Files, Forums	
A-8.38		
Database name: LSCONN		
Database user: OAUSER		
Sqi scripts to run: createuo.sqi, appGrants.sqi		
Blogs		-
Database name: LSCONN Database user: BLOGSUSER		
Sql scripts to run: createDb.sql, appGrants.sql		
Communities		
Database name: LSCONN		
Sgl scripts to run: createDb.sgl, appGrants.sgl		
a a francúzski na sverski na na presla konstruktura (hr. 1990)		
Bookmarks Database name: I SCONN		
Database user: DOGEARUSER		
Sql scripts to run: createDb.sql, createHistogramStatsJob.sql, appGrants.sql		•
Show the detailed database commands.		
	Part	Cancel
	greate greate	Cancer

Figure 149. Database wizard for Lotus Connections 3.0.1: Pre-configuration task summary screen

## \_\_\_\_8. The database creation detailed command is displayed. Click **Execute**.

Database wizard fo	r Lotus Connections 3.0.1	_ 🗆 X
Database creation detailed command		otus. Connections
The following commands will be executed, click "Execute" to run them.		
Activities 1. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba 2. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba Blogs 1. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba 2. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba 2. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba 3. /opt/oracl	@connections.sql/activities/oracle/createDb.sql ****** @connections.sql/activities/oracle/appGrants.sql ****** @connections.sql/blogs/oracle/appGrants.sql ****** @connections.sql/communities/oracle/createDb.sql ****** @connections.sql/communities/oracle/appGrants.sql @connections.sql/dogear/oracle/createDb.sql ****** @connections.sql/dogear/oracle/createDb.sql ****** @connections.sql/dogear/oracle/appGrants.sql	
Profiles 1. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba 2. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba Home page 1. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba 2. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba Save As	@connections.sql/profiles/oracle/createDb.sql ****** @connections.sql/profiles/oracle/appGrants.sql ****** @connections.sql/homepage/oracle/createDb.sql ****** @connections.sql/homepage/oracle/appGrants.sql ******	•
	Back Execute	Cancel

Figure 150. Database wizard for Lotus Connections 3.0.1: Database creation detailed command screen

The database creation begins.			
Database wizard for Lotus C	onnections 3.0.1		_ = ×
Database creation task		Lot	tus, Connections
Creating databases Logging to /home/oracle/lcWizard/log/dbWizard/dbConfig_20120904_080042_activiti	ies_createDb.log.		IBM.
	Back	Next	<u>C</u> ancel

Figure 151. Database wizard for Lotus Connections 3.0.1: Database creation task

#### 9. A post-configuration task summary is displayed. Click **Finish** to exit.



Figure 152. Database wizard for Lotus Connections 3.0.1: Post-configuration task summary screen

# Database transfer

\_\_\_\_1. Prepare the target 3.0.1 databases to accept data from the source 3.0.1 databases. For each application, change to the directory that contains the relevant SQL file. Enter the following commands:

sqlplus /NOLOG conn system/password@SID @SQL\_script.sql

#### Table 1: Oracle commands

Application	Directory	Oracle commands
Oracle commands to remove constraints		
Activities	/connections.sql/activities/oracle	@predbxfer301.sql
Blogs	/connections.sql/blogs/oracle	<pre>@predbxfer301.sql</pre>
Bookmarks	/connections.sql/dogear/oracle	<pre>@predbxfer301.sql</pre>
Communities	/connections.sql/communities/oracle	@predbxfer301.sql
Files	/connections.sql/files/oracle	@predbxfer301.sql
Forum	/connections.sql/forum/oracle	@predbxfer301.sql
Home page	/connections.sql/homepage/oracle	@predbxfer301.sql
Profiles	/connections.sql/profiles/oracle	@predbxfer301.sql
Wikis	/connections.sql/wikis/oracle	@predbxfer301.sql

\_\_\_\_2. Create a directory for DBT on the target database server. /ICbuild/0624/Wizards/DBT\_DIR

Figure 153. Creating a directory for DBT

\_\_\_3. Copy the dbt.jar file from the connections\_root\ConfigEngine\lib directory to the DBT\_DIR directory on the target database server.



Figure 154. Copy the dbt.jar file

\_\_4. Create an XML configuration file under the DBT\_DIR directory and add the following content. Take HOMEPAGE, for example.



Figure 155. Adding content to the XML configuration

:/ICbuild/0624/Wizards/DBT_DIR # 1s				
command.txt	dbtransfer_dogear.xml	dbtransfer_profiles.xml		
dbt.jar	dbtransfer_files.xml	dbtransfer_sncomm.xml		
dbtransfer.xml	dbtransfer_forum.xml	dbtransfer_wikis.xml		
dbtransfer act.xml	dbtransfer homepage.xml	ojdbc5.jar		

Figure 156. Command window: DB transfers

\_\_\_\_5. To transfer the data, run the dbt.jar file.

🚈 🖙 String constrained and c
Eile Edit View Window Help
🖬   🍜 🖻   📕 🎉   ங 🛍 🖀 🎮   🚈 🍋   🎭   🧇 🙌
2 Quick Connect 🦳 Profiles
:/IChuild/0624/Wizards/DBT DIR # java -cn dht.jar:ojdhc5.jar.com.jhm.
mps.config.db.transfer.CmdLineTransfer -logDir /ICbuild/homenage log -xmlfile db
transfer homepage.xml -sourcepassword passw0rd -targetpassword Passw0rd
[07/17/12 04:29:00.008 IST] Attempting to make connection using: jdbc:oracle:thi
n:@dubxpcvm543.mul.ie.ibm.com:1521:LSCONN :: system :: PASSWORD REMOVED
[07/17/12 04:29:00.435 IST] Connection successfully made
[07/17/12 04:29:00.436 IST] Attempting to make connection using: jdbc:oracle:thi
n:@dslvml67.mul.ie.ibm.com:1521:LSCONN :: system :: PASSWORD_REMOVED
[07/17/12 04:29:00.576 IST] Connection successfully made
[07/17/12 04:29:00.600 IST] Transfer started
[07/17/12 04:29:12.379 IST] Transferring table{ HOMEPAGE.NR_SCHEDULER_TREG}
to table{HOMEPAGE.NR_SCHEDULER_TREG }
[07/17/12 04:29:13.035 IST] Transferring table{ HOMEPAGE.EMD_FREQUENCY_TYPE}-
- to table{HOMEPAGE.EMD_FREQUENCY_TYPE }
[07/17/12 04:29:13.095 IST] Transferring table{ HOMEPAGE.SR_STATS} to table
{HOMEPAGE.SR_STATS }
[07/17/12 04:29:13.145 IST] Transferring table{ HOMEPAGE.SR_INDEXINGTASKDEF}-
- to table{HOMEPAGE.SR_INDEXINGTASKDEF }
[07/17/12 04:29:13.166 IST] Transferring table{ HOMEPAGE.NR_COMMUNITIES_STORI
ES} to table{HOMEPAGE.NR_COMMUNITIES_STORIES }
[07/17/12 04:29:13.190 IST] Transferring table{ HOMEPAGE.EMD_EMAIL_PREFS} t
O CADIE{HUMEPAGE.EMD_EMAIL_PREFS }
[U//1//12 04:30:16.174 IST] Transferring table{ HUMEPAGE.SE_TASKDEF} to tab
IE{numerage.sk_laskDer }
Connected to <connected to=""> S5H2 - aes128-cbc - hmac-md5 - none 80x24</connected>

Figure 157. Running the dbt.jar file

\_\_\_\_6. Reapply constraints to the target databases. For each application, change to the directory that contains the relevant SQL file. Enter the following commands:

sqlplus /NOLOG conn system/password@SID @SQL\_script.sql

 Table 2: Oracle commands

Application	Directory	Oracle commands
Oracle commands to reapply constraints		
Activities	/connections.sql/activities/oracle	@postdbxfer301.sql @clearScheduler.sql
Blogs	/connections.sql/blogs/oracle	@postdbxfer301.sql
Bookmarks	/connections.sql/dogear/oracle	@postdbxfer301.sql

#### Table 2: Oracle commands

Application	Directory	Oracle commands
Communities	/connections.sql/communities/oracle	@postdbxfer301.sql @clearScheduler.sql
Files	/connections.sql/files/oracle	@postdbxfer301.sql @clearScheduler.sql
Forum	/connections.sql/forum/oracle	@postdbxfer301.sql @clearScheduler.sql
Home page	/connections.sql/homepage/oracle	@postdbxfer301.sql @clearScheduler.sql
Profiles	/connections.sql/profiles/oracle	@postdbxfer301.sql @clearScheduler.sql
Wikis	/connections.sql/wikis/oracle	@postdbxfer301.sql @clearScheduler.sql

\_\_\_\_7. Run the following commands to update the database sequence for Oracle databases. Run them on the 3.0.1 source database:

SELECT EMPINST.EMPINST.EXT\_DRAFT\_SEQ.NEXTVAL AS EXT\_DRAFT\_SEQ FROM DUAL; SELECT EMPINST.EMPINST.EMP\_DRAFT\_SEQ.NEXTVAL AS EMP\_DRAFT\_SEQ FROM DUAL; SELECT EMPINST.CHG\_EMP\_DRAFT\_SEQ1.NEXTVAL AS CHG\_EMP\_DRAFT\_SEQ1 FROM DUAL; SELECT EMPINST.CHG\_EMP\_DRAFT\_SEQ2.NEXTVAL AS CHG\_EMP\_DRAFT\_SEQ2 FROM DUAL;

#### 8. Run the following commands on the 3.0.1 target database:

DROP SEQUENCE EMPINST.EXT\_DRAFT\_SEQ; CREATE SEQUENCE EMPINST.EXT\_DRAFT\_SEQ START WITH query\_result; DROP SEQUENCE EMPINST.EMP\_DRAFT\_SEQ; CREATE SEQUENCE EMPINST.EMP\_DRAFT\_SEQ START WITH query\_result; DROP SEQUENCE EMPINST.CHG\_EMP\_DRAFT\_SEQ1; CREATE SEQUENCE EMPINST.CHG\_EMP\_DRAFT\_SEQ1 START WITH query\_result; DROP SEQUENCE EMPINST.CHG\_EMP\_DRAFT\_SEQ2; CREATE SEQUENCE EMPINST.CHG\_EMP\_DRAFT\_SEQ2 START WITH query\_result;

Where query\_result is the result of the corresponding SELECT command that you ran on the 3.0.1 database.

# DB Upgrade

\_\_\_\_1. Run the following command to open the Database wizard for IBM Connections 4.0.

oracle@ <host name> :/mnt/Wizards> ./dbWizard.sh

Figure 158. Command to open the database wizard for IBM Connections 4.0

\_\_\_\_2. The Database wizard for IBM Connections 4.0. opens. In the wizard welcome screen, click **Next** to continue.

Database wizard for IBM Connections 4.0	_ 🗆 X
Database wizard for IBM Connections 4.0	
This wizard can create, delete or update the IBM Connections databases.	
To access information about this product, see the IBM Support Web site:	IEW.
http://www-10.lotus.com/ldd/lcwiki.nsf/dx/Installing_ic40	
To continue, click Next.	
Licensed Materials - Property of IBM. License L-JYUN-BVNPYJL-JRCI-89W3MD	
©Copyright IBM Corporation and its licensors 2007, 2012. All Rights Reserved. IBM, the IBM logo, ibm.com and Lotus are trademarks of IBM Corporation in the United States, other countries, or both. Other company, productor service names may be trademarks or service marks of others. A current list of IBM trademarks is available on the Web at www.ibm.com/legalkcopytrade.shml. U.S. Government Users Restricted Rights: Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp. Please see the About page for further information.	
Back Next	<u>C</u> ancel

Figure 159. Database wizard for IBM Connections 4.0: Welcome screen

\_\_\_\_3. In the Database task selection screen, select Update operation only for IBM Connections database 3.0.1.x to 4.0 and click **Next**.

Database wizard	for IBM Connections 4.0	×
Database task selection		
Select the database task:		
Create Create Delete Update operation only for IBM Connections database 3.0.1.x to 4.0		IBM.
	Back Next	Cancel

Figure 160. Database wizard for IBM Connections 4.0: Database task selection screen

4.	In the Database	selection screen	, select Oracle En	erprise Editior	n and click Next.
----	-----------------	------------------	--------------------	-----------------	-------------------

<u> </u>	Database wizard for IBM Connections 4.0		_ 🗆 X
Database selection			
Select the database type, installation location, a	nd database instance.		7732 <i>5</i>
() DB2 Universal Database (TM)			╧╧╧╤╴┉
Oracle Enterprise Edition			
Database installation location:			n
/opt/oracle/11gR2/product/11.2.0/dbhome_1		Browse	
Database instance:			
	Back	Next	Cancel

Figure 161. Database wizard for IBM Connections 4.0: Database selection screen

# \_\_\_\_5. In the Applications selection screen, check all options available and click **Next**.

<b>(</b>	Database wizard	for IBM Connections 4.0		_ = ×
Applications selection				
Select the applications for which cannot select applications that d	you want to update databases. The wizar lo not have version 3.0.1.x databases.	d updates release 3.0.1.x databases to rel	lease 4.0. You	BM.
Applications	Current Version	New Version		
Activities	3.0.1	4.0.0		
Blogs	3.0.1	4.0.0		
Communities	3.0.1	4.0.0	=	
Bookmarks	3.0.1	4.0.0		
Files	3.0.1	4.0.0		
Forums	3.0.1	4.0.0		
✓ Home page	3.0.1	4.0.0		
Profiles     Wikie	3.0.1	4.0.0		
			<b></b>	
		Back	Next	Cancel

Figure 162. Database wizard for IBM Connections 4.0: Applications selection screen

\_\_\_\_6. You are prompted to enter the parameter storyLifetimeInDays. Enter **30**, click **OK**, and click **Next**.

0	Database wizard	for IBM Connections 4.0		_ = ×
Applications selection				
Select the applications for whic cannot select applications that Please refer to Cognos suppor	ch you want to update databases. The wizar t do not have version 3.0.1.x databases. rt for update of Cognos database.	d updates release 3.0.1.x databases to	o release 4.0. You	EV.
Applications	Current Version	New Version		
Activi	Database wiz	zard for IBM Connections 4.0		×
Blogs     The homepa     storyLifetime     Book      Files	age upgrade requires a parameter storyLifeti InDays: β0 K	imeInDays. It should be the same as th	e value in news-config.xml.	
✓ Forums	3.0.1	4.0.0		
✓ Home page	3.0.1	4.0.0	T I I	
✓ Profiles	3.0.1	4.0.0	T I I	
Vikis	3.0.1	4.0.0		
		Back	<u>N</u> ext	Cancel

Figure 163. Database wizard for IBM Connections 4.0: Applications selection screen: storyLifetimeInDays parameter

\_\_\_\_7. In the Database authentication for applications, select Use the same password for the database users and enter and confirm a password. Click **Next**.

	Dai	abase wizard for IBM Connections 4	k <b>o</b>	_ 🗆 🗙
Database authenticati	on for applications			
Specify the passwords	s for the database users.			
<ul> <li>Use the same pa</li> </ul>	ssword for all applications			IEM
	Password	Confirm password	_	
	•••••	]	]	
Create different p	asswords for each application			
	Database usemame	Password	Confirm password	for a second second second
Communities	SNCOMMUSER			
		Back	Next	<u>C</u> ancel

Figure 164. Database wizard for IBM Connections 4.0: Database authentication for applications screen

Database wizard f	or IBM Connections 4.0	_ 🗆 X
Database communication properties		
Enter the database properties. The wizard uses this information to connect to following feature(s) need(s) extra update	the database and update applications databases. The	
Database name:		
LSCONN		
Local host name:		
localhost		
Port:		
1521		
Administrator ID:		
system		
Password:		
•••••		
·		
	Back Next	Cancel

Figure 165. Database wizard for IBM Connections 4.0: Database communication properties screen

## \_\_\_\_9. Enter the profiles database connection properties and click **Next**.

Database wizard for IBM Connections 4.0	_ = ×
Profiles database connection	
Enter the Profiles database properties. The wizard uses this information to transfer data from Profiles database to HomePage database.	
ORACEL_SID for the Profiles database instance:	TRM
LSCONN	╧╧╤╤┊╸ᢀ
Database host name:	
localhost	
Port:	
1521	
Administrator ID:	
system	
Password:	
Rack Novi	Cancel
	Cancel

Figure 166. Database wizard for IBM Connections 4.0: Profiles database connection screen

10.	Review the	pre-configuration	task summarv	v and clic	k Update.

Database wizard for IBM Connections 4.0		_ 🗆 X
Pre-configuration task summary		
IBM Connections is ready to update databases for the following applications.		TDL
Action: Update IBM Connections database		≞⊒⊒⊒₹≞⊛
Database type: Oracle Enterprise Edition		
Database install location: /opt/oracle/11gR2/product/11.2.0/dbhome_1		
Database instance: LSCONN		
The selected applications are: Activities, Blogs, Communities, Bookmarks, Files, Forums, Home page, Profiles, Wikis	=	
Artivitor		
Activities Database name: LSCONN		
Version undate: 301-2400		
Sal scripts to run: upgrade-301-40.sgl. appGrants.sgl	-	
Note: oa.migrate.jar will run between upgrade-301-40.sgl and appGrants.sgl		
and a second		
Blogs		
Database name: LSCONN		
Version update: 3.0.1->4.0.0		
Sql scripts to run: upgrade-301-40.sql, appGrants.sql		
Note: blogs.migrate.jar will run between upgrade-301-40.sql and appGrants.sql		
Communities.		
Communities		
Varian undate: 301.2400		
version operate:		
Note:		
Bookmarks		
Show the detailed database commands.		
<u>Back</u> Update		<u>C</u> ancel

Figure 167. Database wizard for IBM Connections 4.0: Pre-configuration task summary screen

## \_\_\_\_11. The database update detailed commands are displayed. Click **Execute**.

🖄 Database wizard fo	or IBM Connections 4.0		_ 🗆 X
Database update detailed command			
The following commands will be executed, click "Execute" to run them.			
Activities 1. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba ( 2. /mnt/Wizards/jvm/linux/jre/bin/java -classpath "/opt/oracle/11gR2/product logging-1.0.4.jar:lib/lc.util.web-3.0.jar:lib/lc.dbmigration.default.jar:lib/log4j-1.2. com.ibm.openactivities.migrate.ActivitiesMigrationDriver -dburl jdbc:oracle:thir dbpassword ***** 3. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba ( 8. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba ( 2. /mnt/Wizards/jvm/linux/jre/bin/java -classpath "/opt/oracle/11gR2/product lang-2.4.jar:lib/lc.dbmigration.default.jar:lib/blog com.ibm.conn.blogs.migration.MigrationFrom301To40 -dburl jdbc:oracle:thin dbpassword ***** 3. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba ( 2. /mnt/Wizards/jvm/linux/jre/bin/java -classpath "/opt/oracle/11gR2/product lang-2.4.jar:lib/c.dbmigration.default.jar:lib/blog com.ibm.lconn.blogs.migration.MigrationFrom301To40 -dburl jdbc:oracle:thin dbpassword ***** 3. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba ( 2. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba ( 3. /opt/oracle/11gR2/product/11.2.0/dbhome_1/bin/sqlplus -L / as sysdba	@connections.sql/activities/ora //11.2.0/dbhome_1/jdbc/lib/oj .11.jar:lib/oa.migrate.jar" 1:@localhost:1521:LSCONN - @connections.sql/blogs/oracle //11.2.0/dbhome_1/jdbc/lib/oj js.migrate.jar" 1:@localhost:1521:LSCONN - @connections.sql/blogs/oracle @connections.sql/blogs/oracle @connections.sql/communitie @connections.sql/communitie @connections.sql/communitie	acle/upgrade-301-40.sql dbc6.jar:lib/commons- dbuser system - acle/appGrants.sql a/upgrade-301-40.sql dbc6.jar:lib/commons- dbuser system - a/appGrants.sql s/oracle/ ss/oracle/appGrants.sql ss/oracle/calendar- ss/oracle/calendar-	
	Pack	Everyte	Cancel
	Dack	Execute	Cancer

Figure 168. Database wizard for IBM Connections 4.0: Database update detailed command screen

The update begins.

Database wizard	for IBM Connections 4.0		_ = ×
Database update task			
Updating databases			
Logging to /home/oracle/lcWizard/log/dbWizard/dbConfig_20120904_0924	54_blogs_migrate.log.		IEW.
1			
1			
	Back	Next	<u>C</u> ancel

Figure 169. Database wizard for IBM Connections 4.0: Update in progress

## \_\_\_\_12. When the update finishes, the post configuration task summary is displayed. Click **Finish**.

🛓 Database wizard :	for IBM Connections 4.0		_ 🗆 X
Post configuration task summary			
The database update task completed. The following configuration was used	:		
Action: Update IBM Connections database Database type: Oracle Enterprise Edition Database install location: /opt/oracle/11gR2/product/11.2.0/dbhome_1 Database instance: LSCONN The selected applications are: Activities, Blogs, Communities, Bookmarks, F Activities Database name: LSCONN Database user: OAUSER Version update: 3.0.1->4.0.0 Sql scripts ran: upgrade-301-40.sql, appGrants.sql Note: oa.migrate.jar has ran between upgrade-301-40.sql and appGrants.sc Result: The database update was successful. Blogs Database name: LSCONN Database user: BLOGSUSER Version update: 3.0.1->4.0.0 Sql scripts ran: upgrade-301-40.sql, appGrants.sql Note: blogs.migrate.jar has ran between upgrade-301-40.sql and appGrants Result: The database update was successful. Communities Database name: LSCONN Database name: LSCONN Database user: BLOGSUSER Version update: 3.0.1->4.0.0 Sql scripts ran: upgrade-301-40.sql, appGrants.sql Note: blogs.migrate.jar has ran between upgrade-301-40.sql and appGrants Result: The database update was successful. Communities Database name: LSCONN Database user: SNCOMMUSER Version update: 3.0.1->4.0.0	iles, Forums, Home page, Pro q1 s.sql	files, Wikis	
	Back	Einish	<u>C</u> ancel

Figure 170. Database wizard for IBM Connections 4.0: Post configuration task summary screen

\_\_\_\_13. Then, create Mobile, Metrics, and Cognos database by using 4.0 dbwizard.

# **Export configuration**

- \_\_\_1. Rename the migration directory in your IBM Connections 3.0.1 deployment.
- \_\_\_\_2. Copy the migration\_4.0.0.0\_date\_time.zip file from the IBM\_Connections\_Install/IBMConnections/native directory of the installation media, where date and time represent the date and time stamps of the file.
- \_\_\_3. Extract the file to the IBM Connections 3.0.1 installation directory and ensure that your archiving software preserves the directory structure of the compressed files. The extracted archive should create a migration directory at the same directory level as the ConfigEngine directory.
- \_\_\_\_4. Open a command prompt on the version 3.0.1 system, change to the migration directory and run the following command:

Terminal 💶 🖬 🤇	×			
<u>File Edit View Terminal Tabs H</u> elp				
:/opt/IBM/Connections/migration # chmod 777 ./migration.sh				
:/opt/IBM/Connections/migration # ./migration.sh lc-export				
Licensed Materials - Property of IBM				
5724-E76, 5724-E77, 5655-M44				
(C) Copyright IBM Corp. 2001, 2008 All Rights Reserved.				
	=			
Running WebSphere Portal configuration				
/opt/IBM/Connections/ConfigEngine/lib/bootstrap.jar:/opt/IBM/WebSphere/AppServer				
/profiles/Dmgr01/properties:/opt/IEM/WebSphere/AppServer/properties:/opt/IEM/Web				
Sphere/AppServer/lib/startup.jar:/opt/IBM/WebSphere/AppServer/lib/bootstrap.jar:				
/opt/IBM/WebSphere/AppServer/lib/lmproxy.jar:/opt/IBM/WebSphere/AppServer/lib/ur				
lprotocols.jar:/opt/IBM/WebSphere/AppServer/java/lib/tools.jar:/opt/IBM/WebSpher				
e/AppServer/plugins:/opt/IBM/WebSphere/AppServer/lib/wkplc.comp.registry.jar:/op				
t/IBM/WebSphere/AppServer/lib/j2ee.jar:/opt/IBM/WebSphere/AppServer/properties				
propertiesPath is ConfigEngine temp.prop				
rootDir is /opt/IBM/Connections/ConfigEngine				
Executing native2ascii with native encoding 'UTF-8': ConfigEngine temp.prop ->				
ConfigEngine temp ascii.prop				
Native2ascii execution was successful!				
Loading system properties from ConfigEngine temp ascii.prop				
ConfigEngine: setting system property JAVA HOME=/opt/IBM/WebSphere/AppServer/jav				
a				
ConfigEngine: setting system property local.cell=				
ConfigEngine: setting system property was.root=/opt/IBM/WebSphere/AppServer	T.			

Figure 171. Migration command

\_\_\_\_5. The output is saved under migration/work folder. Back up the whole migration folder for 301.

# Installing

# Install LC 4.0

- \_\_\_\_1. Remove /var/ibm to delete previous LC installation records.
- \_\_\_\_2. Install LC 4.0.
- \_\_\_\_3. In IBM Connections 4.0.0, click Launch the IBM Connections 4.0.0 install wizard.

	file:// - IBM Connections 4.0.0 - Mozilla Firefox 📃 🗆 🗙
IBM <sup>®</sup> Connections 4.0.0	Select a language: EnglishOK
Welcome Documentation Pre-installation tasks Install IBM Connections 4.0.0 Post-installation tasks Exit	Install IBM Connections 4.0.0         What is IBM Installation Manager?         Installation Manager is an application that makes it easier for you to download and install many IBM software products.         If you have not previously installed Installation Manager, you will be prompted to install it upon starting the IBM Connections install wizard.         Image: Launch the IBM Connections 4.0.0 install wizard         Image: Start the WebSphere Application Server Deployment Manager before proceeding with the wizard.         Image: View the IBM Connections 4.0.0 install wizard tasks
IBM.	

Figure 172. IBM Connections 4.0.0
	IBM Installation Manager		
Install Packages			
Select packages to install:			5
Installation Packages	Status	Vendor	License Key Type
▼ 📝 🗊 IBM® Installation Manager			
✓ I∮ <sub>0</sub> Version 1.4.4			
▼ 🗹 🗊 IBM Connections			
🗹 🕠 Version 4.0.0.0	Will be installed		
Show all versions			heck for Other Versions, Fixes, and Extension
Details			
IBM® Installation Manager 1.4.4			
IBM® Installation Manager More info			
<ul> <li>Repository: /mnt/IBM_Connections_Install/IM/linux</li> </ul>			
		< Back	Next > Install Ca

4. Select the packages to install and click Next.

Figure 173. IBM Installation Manager: Install Packages

#### \_\_\_5. Accept the terms in the license agreement and click **Next**.

Install Licenses Location	Features Summary
<ul> <li>✓ IBM© Connections         IBM© Connections         IBM© Connections License Agreement         IBM© Connections License Information         ✓ IBM Installation Manager         License Agreement     </li> </ul>	International Program License Agreement Part 1 - General Terms By DOWNLOADING, INSTALLING, COPYING, ACCESSING, CLICKING ON AN "ACCEPT" BUTTON, OR OTHERWISE USING THE PROGRAM, LICENSEE AGREES TO THE TERMS OF THIS ACREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF LICENSEE, YOU REPRESENT AND WARRANT THAT YOU HAVE FULL AUTHORITY TO BIND LICENSEE TO THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS DO NOT DOWNLOAD, INSTALL, COPY, ACCESS, CLICK ON AN "ACCEPT" BUTTON, OR USE THE PROGRAM; AND - PROMPTLY RETURN THE UNUSED MEDIA, DOCUMENTATION, AND PROOF OF ENTITLEMENT TO THE PARTY FROM WHOM IT WAS OBTAINED FOR A REFUND OF THE AMOUNT PAID. IF THE PROGRAM WAS DOWNLOADED, DESTROY ALL COPIES OF THE PROGRAM 1. Definitions 'Authorized Use" - the specified level at which Licensee is authorized to execute or run the Program. That level may be measured by number of users, millions of service units ("MSUs"), Processor Value Units ("PVUS"), or other level of use specified by IBM. 'IBM' - International Business Machines Corporation or one of its subsidiaries. 'License Information" ("LI") - a document that provides information and any additional terms specific to a Program. The Program's LI is available at www.ibm.com/software/sla. The LI can also be found in the Program's directory, by the use of a system command, or as a booklet included with the Program' - the following, including the original and all whole or partial copies: 1) machine-readable instructions and data, 2) components, files, and modules, 3) audio-visual content (such as images, text, recordings, or pictures), and 4) related licensee obtained the Program, provided that it specifies the Program mame and Authorized Use obtained.'' Warranty Period'' - one year, starting on the date the original Licensee is granted the license.
I accept the terms in the license agreements     I go not accept the terms in the license agreem	Print All

Figure 174. IBM Installation Manager: License agreement

\_\_\_\_6. Select a location for the shared resources directory and a location for Installation Manager and click **Next**.

	IBM Installation Manager	-
Install Packages		
Select a location for the sl	ared resources directory and a location for Installation Manager.	4
Install Licen	es Location Features Summary	
When you ins	all packages, files are stored in two locations:	
1) The shared	resources directory - resources that can be shared by multiple packages.	
2) The install	tion directory - any resources that are unique to the package that you are installing.	
space becaus	u can only select the shared resources directory the first time you install a package with the IBM installation Manager. For best results select the drive with the mo it must have adequate space for the shared resources of future packages.	st available
Shared <u>R</u> esources Director	/opt/IBM/SSPShared	Browse
Once installed	, IBM Installation Manager will be used to install, update, modify, manage and uninstall your packages.	
S.		
Installation <u>M</u> anager Direc	ory: /opt/IBM/InstallationManager/eclipse	Brgwse
Disk Space Information		
Volume Available Spa	ce	
/ 132.12 GB		
)	< Back Next > Install	Cance

Figure 175. IBM Installation Manager: Locations

### \_\_\_\_7. Select Create a new package group and click **Next**.

	IBM Installation Manager	
nstall Packages		
A package group is a location that contains one or more packages. Some existing package group, or create a new one.	ie compatible packages can be installed into a common package group and will share a common us	er interface. Select an
Install Licenses Location Features	Summary	
O Use the existing package group		
Create a new package group		
Package Group Name	Installation Directory	Architecture
<sup>™</sup> ε, IBM®.Connections	/apt/IBM/Connections	
Installation Directory: /opt/IBM/Connections		Browse
Details	Disk Space Information	
Details Shared Resources Directory: /opt/IBM/SSPShared	Disk Space Information Volume Available Space	
Details Shared Resources Directory: /opt/IBM/SSPShared	Disk Space Information Volume Available Space / 132.12 GB	
Details Shared Resources Directory: /opt/IBM/SSPShared	Disk Space Information Volume Available Space / 132.12 GB	
Details Shared Resources Directory: /opt/IBM/SSPShared	Disk Space Information Volume Available Space / 132:12 GB	
Details Shared Resources Directory: /opt/IBM/SSPShared	Disk Space Information Volume Available Space / 132.12 GB	
Details Shared Resources Directory: /opt/IBM/SSPShared	Disk Space Information Volume Available Space / 132.12 GB	
Details Shared Resources Directory: /opt/IBM/SSPShared	Disk Space Information Volume Available Space / 132.12 GB	
Details Shared Resources Directory: /opt/IBM/SSPShared	Disk Space Information Volume Available Space / 132.12 GB	
Details Shared Resources Directory: /opt/IBM/SSPShared	Disk Space Information Volume Available Space / 132 12 GB	Install

Figure 176. IBM Installation Manager: Package groups

8. 3	Select the	features	that	you	want	to	install.
------	------------	----------	------	-----	------	----	----------

	<u> </u>		Ű	BM Installation Ma	nager	
Install Packages						1
Select the features t	o install.					
Install	Licenses Loca	ation Featu	ines Summa	iry		
Features						
🛃 🎁 IBMØ Ir	stallation Manager 1.4					
🗢 💽 🧊 IBM Cor	nections 4.0.0.0					
🗢 🖌 🔥 Core	Features					
🖌 S	Search					=
<b>I</b> N	lews repository					
I +     I	lome page					
🗢 💽 🚯 All F	eatures					
🖌 A	ctivities					-
E     E     E     E	llogs					
<b></b>	Communities					
₹ E	lookmarks					
✓ F	iles					. 💌
Selected by Installation N	tallation Manager beca Manager 1.4.4	use of dependencies				Expand All Collapse All Kestore Denault
IBM® Installation M	anager					
Disk Space Inform	ation					
	Volume	Required	Temporary	Total	Available	
Shared Resources	Area /	222.1 KB	1.04 GB	1.04 GB	132.12 GB	
	ry /	7.23 GB	63.59 MB	7.29 GB	132.12 GB	
Installation Directo						
Installation Directo						< Back Next > Install Car

Figure 177. IBM Installation Manager: Features (1 of 2)

\_9. Here, the user chose not to install Metrics. Click **Next**.

Set the features to install     features     features <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>								
Select the teatures to install  teatures  teatures teatures  teatures teatures  teatures teatures teatures teatures  teatures teatures teatures teatures teatures teatures teatu	Install Packages							-1
Install       Location       Features         Install       Features       Image: Communities         Image: Communities       Bogs         Image: Communities       Image: Communities         Image: Communities       Image: Communities         Image: Communities       Image: Communities         Image: Communities       <	Select the features to inst	all.						4
Initial       Location       Venture       Summary         Feture <ul> <li>Activities</li> <li>Bogs</li> <li>Communities</li> <li>Bogs</li> <li>Communities</li> <li>Bods</li> <li>Bods</li> <li>Files</li> <li>Forums</li> <li>Mobile</li> <li>Moderation</li> <li>Profiles</li> <li>Show dependencies</li> <li>Show dependencies</li> <li>Disk dependencies</li> <li>Expand All Collapse All</li> <li>Restore Default</li> <li>Show dependencies</li> <li>Disk dependencies</li> <li>Show dependencies</li> <li>Disk dependencies</li></ul>								
Features	Install 2 Lice	nses / Loca	ation Peati	unes ) Summa	iry			0
▼ Attivities   ● Activities   ● Bogsp   ● Communities   ● Bookmarks   ● Files   ● Files   ● Metrics   ● Mobile   ● Mobile   ● Mobile   ● Moderation   ● Profiles   ● Witkis	Features							<b>_</b>
Activities   Bogs   Communities   Bockmarks   Files   Forums   Mobile   Mobile   Mobile   Mobile   Mobile   Mobile   Show dependencies   Show dependencies <td>🗢 🖻 🚯 All Featur</td> <td>es</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	🗢 🖻 🚯 All Featur	es						
Blogs   Communities   Bookmarks   Bookmarks   Bookmarks   File   Forums     Mobile   Moderation   Profiles   Wikis     Shord dependencies   Expand All Collapse All Collapse All Restore Default   Metrics   The Metrics application is required for data capture. Even if you are not setting up Cognos yet, install Metrics now so that your application data is captured from the moment that IBM Connections is deployed.   Shared Resources Area / 222.1 KB 1.04 GB 1.04 GB 122.11 GB Installation Directory / 7.23 GB 0.3 99 MB 7.29 GB 122.11 GB (profil) Context	Activit	ies						
Communities   Bookmarks   Files   Mobile   Moderation   Profiles   Witkis    Show dependencies	✓ Blogs							
Bookmarks                  Prile                  Mobile                  Mobile                  Mobile                  Mobile                  Mobile                  Mobile                  Mobile                  Mobile                 Mobile                  Mobile                 Mobile                 Mobile                 Mobile                 Mobile                 Mobile                 Mobile                 Mobile                    Show dependencies                 Show dependencies </td <td>Comm</td> <td>unities</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Comm	unities						
Image: Selected by Installation Manager because of dependencies     Image: Selected by Install Matager Because of dependencies     Image: Selected by Image: Selected by Image:	✓ Bookm	arks						
✓ Forums   Metrics   ✓   Moderation   ✓   ✓   ✓   ✓   Witks	✓ Files							
Metrics       Mobile            Modication        Profiles             Mikis        Expand All Collapse All Restore Default             Show dependencies           Expand All Collapse All Restore Default             Metrics           Show dependencies             Show dependencies           Expand All Collapse All Restore Default             Metrics           Show dependencies             Shared Fersources Area         /         222.1 KB         1.04 GB         1.04 GB         1.32.11 GB             Installation Directory         /         723 GB         63.59 MB         7.29 GB         132.11 GB             Lest           Lest             Rest          Lest             Cance           Lest              Cance	✓ Forum	s						
✓       Modifie         ✓       Moderation         ✓       Profiles         ✓       Wikis         Show dependencies	Metric	5						-
✓ Moderation   ✓ Profiles   ✓ Wikis    Expand All Collapse All Colla	Mobile							
✓ Profiles   ✓ Wikis   Expand All Collapse All Collap	Moder	ation						
Vivis         Expand All Collapse All Restore Default         Show dependencies         Selected by Installation Manager because of dependencies	Profile	5						
Show dependencies   Show dependencies     Selected by Installation Manager because of dependencies   Details   Metrics   Disk Space Information   Nolume   Required   Temporary   Total   Available   Shared Resources Area   /   222.1 KB   1.04 GB    1.04 GB   1.04 GB </th <th>WIKIS</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>-</th>	WIKIS							-
Datails         Metrics         The Metrics application is required for data capture. Even if you are not setting up Cognos yet, install Metrics now so that your application data is captured from the moment that IBM Connections is deployed.         Disk Space Information         Shared Resources Area       /       222.1 KB       1.04 GB       132.11 GB         Installation Directory       /       7.23 GB       63.59 MB       7.29 GB       132.11 GB	Show dependencies	on Manager beca	ause of dependencies				Expand All Collapse All	estore Default
Metrics Metrics The Metrics application is required for data capture. Even if you are not setting up Cognos yet, install Metrics now so that your application data is captured from the moment that IBM Connections is deployed. Disk Space Information Volume Required Temporary Total Available Shared Resources Area / 222.1 KB 1.04 GB 1.04 GB 1.32.11 GB Installation Directory / 7.23 GB 63.59 MB 7.29 GB 1.32.11 GB < Content of the set	Details							
The Metrics application is required for data capture. Even if you are not setting up Cognos yet, install Metrics now so that your application data is captured from the moment that IBM Connections is deployed.  Disk Space Information Volume Required Temporary Total Available Shared Resources Area / 222.1 KB 1.04 GB 1.04 GB 132.11 GB Installation Directory / 7.23 GB 63.59 MB 7.29 GB 132.11 GB	Metrice							
deployed. Disk Space Information Volume Required Temporary Total Available Shared Resources Area / 222.1 KB 1.04 GB 1.04 GB 1.32.11 GB Installation Directory / 7.23 GB 63.59 MB 7.29 GB 1.32.11 GB	The Metrics application is	required for data	a capture. Even if you	are not setting up Coo	gnos yet, install Met	rics now so that your appl	lication data is captured from the moment that IBM Con	nections is
Disk Space Information Volume Required Temporary Total Available Shared Resources Area / 222.1 KB 1.04 GB 1.04 GB 132.11 GB Installation Directory / 7.23 GB 63.59 MB 7.29 GB 132.11 GB <a href="https://www.sci.uk/area"></a> (Installation Directory / Installation Directory / Cancel Concelling Canc	deployed.							
Disk Space Information           Volume         Required         Temporary         Total         Available           Shared Resources Area         /         222.1 KB         1.04 GB         132.11 GB           Installation Directory         /         7.23 GB         63.59 MB         7.29 GB         132.11 GB								
Volume         Required         Temporary         Total         Available           Shared Resources Area         /         222.1 KB         1.04 GB         132.11 GB           Installation Directory         /         7.23 GB         63.59 MB         7.29 GB         132.11 GB           Installation Directory         /         Figure Area         /         State         State	Disk Space Information							
Shared Resources Area         /         222.1 KB         1.04 GB         1.04 GB         132.11 GB           Installation Directory         /         7.23 GB         63.59 MB         7.29 GB         132.11 GB           Installation Directory         /         7.23 GB         63.59 MB         7.29 GB         132.11 GB           Installation Directory         /         Figure 1         Cance         Installation         Installation		Volume	Required	Temporary	Total	Available		
Installation Directory / 7.23 GB 63.59 MB 7.29 GB 132.11 GB	Shared Resources Area	1	222.1 KB	1.04 GB	1.04 GB	132.11 GB		
< Back Next > Install Canc	Installation Directory	1	7.23 GB	63.59 MB	7.29 GB	132.11 GB		
< Back Next > Install Canc								
< Back Next > Install Canc								

Figure 178. IBM Installation Manager: Features (2 of 2)

The SSL certificate validation begins.
--

	IBM Installation Manager	-
Install Packages Fill in the configurations for the packa	ges.	
Install Licenses	Location Features Summary	
Common Configurations	Common Configurations WebSphere	
<ul> <li>Topology</li> <li>Database</li> <li>Cognos</li> <li>Content Store</li> </ul>	WebSphere Application Server Selection Installation location: Iopt/IBM/WebSphere/AppServer	
	Retrieving SSL certificate	
	Aamir_000_000 Administrator password:	
	8879	
	Validate Validate credentials before proceeding.	

Figure 179. IBM Installation Manager: SSL certificate validation

\_\_\_\_10. Click **OK** in the information dialog for the SSL validation.

	IBM Installation Manager	- 0
Install Packages CLFRP0042E: The file descriptors occur. Please refer to the infocente	(ulimit) is lower than 8192. If the value set for this parameter is too low, a file open error, memory allocation failure, or connection establishment error may er to set the value property.	-
Install Licenses	Location Peatures Summary	
Common Configurations	Common Configurations	
🥵 WebSphere	webShiele	
<ul> <li>Opology</li> <li>Database</li> <li>Cognos</li> </ul>	WebSphere Application Server Selection	
Content Store	/opt/IBM/WebSphere/AppServer Browse	
O Notification	Deployment manager profile:	
	Validation successful.     Administrator user ID:     Administrator password:     Administrator password:     SOAP port number:     B879     Validate   Validate credentials before proceeding.	
)	< Back	Cancel

Figure 180. IBM Installation Manager: SSL certificate validation successful

#### \_\_\_11. Click Next.

Install Packages		N
CLFRP0042E: The file descriptors ( occur. Please refer to the infocenter	ulimit) is lower than 8192. If the value set for this parameter is too low, a file open error, memory allocation failure, or connection establishment error may to set the value properly.	F
Install Licenses	Location Features Summary	
Common Configurations	Common Configurations WebSphere	
Topology     Database     Control	WebSphere Application Server Selection	
O Content Store	/opt/IBM/WebSphere/AppServer Browse	
O Notification	Deployment manager profile:	
	Dmgr01 🗢	
	Host name:	
	<host name=""></host>	
	Deployment Manager Credentials These credentials must exist for the selected Profile. Administrator user ID: (Administrator user ID> Administrator password:	
	SOAP port number:	
	8879	
	Validate	
	Validate credentials before proceeding.	
	< Back New > Install	Cance

Figure 181. IBM Installation Manager: Credentials validation

### \_\_\_ 12. Click Next again.

Fill in the configurations for the packa	ges.						
Install Licenses	Location	Features	Summary				
Common Configurations	Com Topol	mon Configurations ogy					
<ul> <li>Topology</li> <li>Database</li> <li>Cognos</li> <li>Content Store</li> <li>Notification</li> </ul>		Important: If you retu you want to change a click Next. Cluster Enter a cluster name the default server na Restore Defaults	rn to this page from a la ny settings, you must er a or select an existing cl me.	ater page in the ter all of the inf uster name. The	installation wizard, your sett rrmation again. If you do no n select the nodes for each c	ings are still present but not visible. If t want to change your initial settings, luster and enter a server name or accept	
		Application	Cluster		Node	Server	
			Cluster1	N N	<resource> Node01 <resource> Node01</resource></resource>	Cluster1_server1 Cluster1_server2	
		♥ Blogs	Cluster2	N N	<resource> Node01 <resource> Node01</resource></resource>	Cluster2_server1 Cluster2_server2	5
			Cluster1	_ [2]	<resource> Node01 <resource> Node01</resource></resource>	Cluster1_server1 Cluster1_server2	
		⊽ Bookmarks	Cluster2	0 1 1	<resource> Node01 <resource> Node01</resource></resource>	- Cluster2_server1 Cluster2_server2	
		✓ Home page	InfraCluster		<resource> Node01</resource>	InfraCluster_server1	
					<resource> Node01</resource>	InfraCluster_server2	
		✓ Profiles	Cluster1		<resource> Node01</resource>	Cluster1_server1	-
	4				111		
	1 01						

Figure 182. IBM Installation Manager: Common Configurations

		IBM Install	ation Manager		
Install Packages Fill in the configurations for the package	jes.				
Install Licenses     Common Configurations     WebSphere	Common Configuratio	Summary I			
	/opt/IBM/jdbc		Browse		
Cognos Cognos Content Store Notification	Application Data	pase Information	tions ess information Se	Cancel	
	Mobile	LSCONN	MOBILEUSER		
	Files	LSCONN	FILESUSER		
	Forums	LSCONN	DFUSER	•••••	
	Home page	LSCONN	HOMEPAGEUSER	•••••	=
	Profiles	LSCONN	PROFUSER	•••••	
	Wikis	LSCONN	WIKISUSER		
		Validate	]		
	2			< <u>B</u> ack	Install

The LSCONN database validation begins.

Figure 183. IBM Installation Manager: LSCONN database validation

\_\_\_\_13. Click **OK** in the information dialog for the LSCONN database validation.

				And the second second
cation Features	Summary			
Common Configuratio	ns			
(opt/IBM/idbc		Brown		
roperbin/jube		Lionse		
Application Data	base Information			
✓ Use the same	e password for all applicat	ions.		
(d)	infor	mation Dialog	×	
Mobile		MOBILEUSER		
Wobne	ESCONN	MOBILEOSER		
Files	LSCONN	FILESUSER	******	
Forums	LSCONN	DFUSER	******	
Home page	LSCONN	HOMEPAGEUSER		
Profiles	LSCONN	PROFUSER	•••••	
Wikis	LSCONN	WIKISUSER		
	Validata			
	vansate .			
			< Back Next >	Install Cancel
	Cation Features Common Configuration Database /opt/IBM/jdbc Application Datab	Common Configurations       Database       /opt/IBM/jdbc       Application Database Information       I Use the same password for all application       I Use the same password for all applica	Peatures       Summary         Common Configurations       Database         /opt/IBM/jdlx:       Browse         Application Database Information       Browse         /opt/IBM/jdlx:       Validation successful.         //opt/IBM/jdlx:       LSCONN         //opt/IBM/jdlx:       Browse         //opt/IBM/jdlx:       LSCONN         //opt/IBM/jdlx:       LSCONN         //opt/IBM       HOMEPAGEUSER         //opt/IBM       LSCONN       PROFUSER         //opt/IBM       LSCONN       WikiSUSER         //opt/IBM       LSCONN       WikiSUSER         //opt/IBM       LSCONN       WikiSUSER         //opt/IBM       Validate       Validate	

Figure 184. IBM Installation Manager: LSCONN database validation successful

### \_\_\_14. Click Next.

Install Packages					-5
Fill in the configurations for the packag	jes.				
Install Licenses I	Location Features	Summary			
✓ (j) Common Configurations ☑ WebSphere	Common Configuration Database	15			
Topology	/opt/IBM/jdbc		Browse		6
💭 Database	Application Datab	ase Information			
Cognos	✔ Use the same	password for all application	ons.		
🕴 Notification	Application	Database Name	User ID	Password	
	Activities	LSCONN	OAUSER		
	Blogs	LSCONN	BLOGSUSER		
	Communities	LSCONN	SNCOMMUSER		
	Bookmarks	LSCONN	DOGEARUSER	•••••	
	Metrics	LSCONN	METRICSUSER	•••••	
	Mobile	LSCONN	MOBILEUSER		
	Files	LSCONN	FILESUSER	******	
	Forums	LSCONN	DFUSER	••••••	
	Home page	LSCONN	HOMEPAGEUSER	••••••	
	Profiles	LSCONN	PROFUSER	•••••	
	Wikis	LSCONN	WIKISUSER		
	l v	alidated			
	<u></u>				

Figure 185. IBM Installation Manager: Application information

## \_\_\_\_15. Click Next again.

	IBM Installation Manager 📃 🗖 🗙
Install Packages Fill in the configurations for the packa	ges.
Common Configurations Cover Topology Database Content Store	Common Configurations         Content Store         Content that is shared among all nodes. Ensure each node in the cluster can access the network location.         Select a network shared location:         [opt2/LCShareData]         Content is stored location:         [opt2/LCShareData]         Content is stored location:         [opt2/LCCaclData]         [opt2/LCLocalData]
0	< <u>Back</u> <u>Next</u> <u>Instail</u> Cancel

Figure 186. IBM Installation Manager: Content store

\_\_\_\_16. In the Notifications screen, click None.

	IBM Installation Manager	
Install Packages		-
Fill in the configurations for the packages.		T
Install Licenses Locat	ion Features Summary	
<ul> <li>Common Configurations</li> <li>WebSphere</li> <li>Topology</li> <li>Database</li> <li>Content Store</li> <li>Notification</li> </ul>	Common Configurations Notification Notification allows both IBM Connections applications and users to send mail notifications. ReplyTo allows users to reply to notifications using email. Replies appear in the relevant application in IBM Connections. Enable Notification only. Enable Notification and ReplyTo. None	
		•

Figure 187. IBM Installation Manager: Notification

\_\_\_\_17. Review the summary information and click Install.

	BM Installation Manager	-
Install Packages		
Review the summary information.		
Install Licenses Location Features Summa	ну	
Target Location		
Package Group Name: IBM® Connections		
Installation Directory: /opt/IBM/Connections		
Shared Resources Directory: /opt/IBM/SSPShared		
Packages		
Packages		
🗊 IBM® Installation Manager 1.4.4		
▼ 🗊 IBM Connections 4.0.0.0		
Core Features		
All Features		
Environment	Disk Space Information	
		<b>T</b>
English		Total Available Space
English	ſ	Total Available Space 132.17 GB
English	/ Total Download Size: 115/28	lotal Available Space 132.17 GB
English	/ Total Download Sizes 1.15 GB Total Installation Sizes 8.33 GB	iotal Available Space 132.17 GB
Renository Information	/ Total Download Size⊨ 1.15 GB Total Installation Size⊨ 8.33 GB	Iotal Available Space 132:17 GB
►nglish ► Repository Information	/ Total Download Size:∺ 1.15 GB Total Installation Size: 8.33 GB	Iotal Available Space 132.17 GB
▶ Repository Information	/ Total Download Size∷ 1.15 GB Total Installation Size: 8.33 GB	1 otal Available Space 132.17 GB
English ▶ Repository Information	/ Total Download Size∺ 1.15 GB Total Installation Size: 8.33 GB	< Back

Figure 188. IBM Installation Manager: Summary information



About one hour later, you get this successful installation message.

Figure 189. IBM Installation Manager: Installation successful

# 2. Post-installation

# Import configuration

- \_\_\_1. Copy the migration directory that you backed up from your 3.0.1 deployment to the connections\_root directory in your 4.0 deployment.
- 2. Import your 3.0.1 data. Open a command prompt, change to the migration directory on the Deployment Manager node in your 4.0 deployment, and run the following commands:
  - ./migration.sh lc-import
  - -DDMUserid=dm\_admin
  - -DDMPassword=dm\_password

## Post Configuration

## Map all application to IHS

 Map applications to web server; take activities, for example. To do so, go to Applications > Application Types, and click WebSphere enterprise applications.



Figure 190. Applications > Application Types > WebSphere enterprise applications

2. Click Activities.

Select	Name 🛟
You ca	n administer the follo
	Activities
	Blog

Figure 191. Activities

\_\_\_\_ 3. Under Configuration tab > Modules, click Manage Modules.

Configuration Runtime	
General Properties	Modules
* Name Activities	Mange Modules

Figure 192. Manage Modules

\_\_\_\_4. Select all modules. Click the Select All icon.

Re	move Update Remove Fil	e Export File	
9	6		
Sel	elect All	URI	
	EventPublisher	lc.events.publish.jar,META-INF/ejb-jar.xml	
	lconn.scheduler.ejb	lconn.scheduler.ejb.jar,META-INF/ejb-jar.xml	
	Platform Command Consumer	platformCommand.consumer.jar,META-INF/ejb- jar.xml	
	FollowingEJB	lc.following.ejb.jar,META-INF/ejb-jar.xml	
	Activities Web UI	oawebui.war,WEB-INF/web.xml	
	Quickr Document Picker	gkr.docpicker.war,WEB-INF/web.xml	

Cancel

Figure 193. Select all modules

OK

Notice that its previous server is Cluster1.



Figure 194. Server: Cluster1

\_\_\_5. Press Ctrl to select both Cluster1 and webserver1. Click Apply.

routed through.



Figure 195. Clusters and servers

\_\_\_6. Verify that all modules are mapped to both Cluster1 and webserver1.

Module Type	Server
EJB	WebSphere:cell=dubxpcvm540Cell01,node=IHS,server=webserver1
Module	WebSphere:cell=dubxpcvm540Cell01,cluster=Cluster1
EJB	WebSphere:cell=dubxpcvm540Cell01,node=IHS,server=webserver1
Module	WebSphere:cell=dubxpcvm540Cell01,cluster=Cluster1
EJB Module	لالالالالالالالالالالالالالالالالالالا
EJB	WebSphere:cell=dubxpcvm540Cell01,node=IHS,server=webserver1
Module	WebSphere:cell=dubxpcvm540Cell01,cluster=Cluster1
Web	WebSphere:cell=dubxpcvm540Cell01,node=IHS,server=webserver1
Module	WebSphere:cell=dubxpcvm540Cell01,cluster=Cluster1
Web	WebSphere:cell=dubxpcvm540Cell01,node=IHS,server=webserver1
Module	WebSphere:cell=dubxpcvm540Cell01,cluster=Cluster1

Figure 196. Module Type: Server



Repeat these steps for all applications from Activities to Wikis.

## Modify LCC.xml



For more detailed information about how to modify LCC.xml, see

http://www-10.lotus.com/ldd/lcwiki.nsf/xpDocViewer.xsp?lookupName=IBM+Connections+ 4.0+documentation#action=openDocument&res\_title=Updating\_web\_addresses\_in\_IBM\_HTTP \_Server\_ic40&content=pdcontent.

\_1. Change the service URL as follows:

<sloc:serviceReference acf\_config\_file="acf-config-nf.xml" bootstrapHost=""</pre> bootstrapPort="" clusterName="Cluster1" enabled="true" person\_card\_service\_name\_js\_eval="generalrs.label\_personcard\_activitieslink" person\_card\_service\_url\_pattern="/service/html/mainpage#dashboard%2Cmyactivi ties%2Cuserid%3D{userid}%2Cname%3D{displayName}" serviceName="activities" ssl enabled="true">

<sloc:href>

<sloc:hrefPathPrefix>/activities</sloc:hrefPathPrefix>

<sloc:static href="http://connections.example.com"</pre>

```
ssl_href="https://connections.example.com"/>
```

<sloc:interService href="https://connections.example.com"/>

</sloc:href>

</sloc:serviceReference>

2. Sync Nodes and restart servers.

## **Configure Search variable**

1. Add "/opt/IBM/Connections/stellent/dcs/oiexport" to your PATH variable in .profile for the root user.

Either add export LD\_LIBRARY\_PATH=/opt/IBM/Connections/stellent/dcs/oiexport to /opt/IBM/WebSphere/AppServer/bin/setupCmdLine.sh and run . ./setupCmdLine.sh before you start the nodes,

or add export LD\_LIBRARY\_PATH=/opt/IBM/Connections/stellent/dcs/oiexport and add the line to the PATH in .profile.

# **Configure Homepage administrator and moderator**



#### Information

For more detailed information about how to configure a Homepage administrator, see http://www-10.lotus.com/ldd/lcwiki.nsf/xpDocViewer.xsp?lookupName=IBM+Connections+ 4.0+documentation#action=openDocument&res\_title=Configuring\_the\_Home\_page\_administ

rator\_ic40&content=pdcontent.

1. Go to Enterprise Applications > Homepage > Security role to user/group mapping, check admin and map an LDAP user as administrator for Homepage.

Enterprise /	iterprise Applications						
Enterpri Security	Enterprise Applications > Homepage > Security role to user/group mapping Security role to user/group mapping						
Each ro only wh based o when u wrong i be give	Each role that is defined in the application or module must map to a user or group from the domain user registry, accessIds: The accessIds are required only when using cross realm communication in a multi domain scenario. For all other scenarios the accessId will be determined during the application start based on the user or group name. The accessIds represent the user and group information that is used for Java Platform, Enterprise Edition authorization when using the WebSphere default authorization engine. The format for the accessIds is user:realm/uniqueUserID, group:realm/uniqueGroupID. Entering wrong information in these fields will cause authorization to fail. AllAuthenticatedInTrustedRealms: This indicates that any valid user in the trusted realms be given the access. AllAuthenticated: This indicates that any valid user in the current realm be given the access.						
Mag	p Users Map Groups	Map Special Subjects 🔻					
	6						
Select	Role	pecial subjects Mapped users Mapped groups					
	person	All Authenticated in Application's Realm					
	everyone	Everyone					
	reader Everyone						
	metrics-reader Everyone						
	admin None Aamir_000_000						
ок с	Cancel						

Figure 197. Enterprise Applications: Homepage

2. Click **OK** and then **Save**.

C i Information

For more detailed information about how to configure a moderator, see

http://www-10.lotus.com/ldd/lcwiki.nsf/xpDocViewer.xsp?lookupName=IBM+Connections+ 4.0+documentation#action=openDocument&res\_title=Configuring\_Moderation\_ic40&conten t=pdcontent.

\_\_\_\_1. Go to Enterprise Applications > Homepage > Security role to user/group mapping, check global-moderator and map an LDAP user as global moderator for Homepage.

Enterprise Applications > Moderation > Security role to user/group mapping Security role to user/group mapping Each role that is defined in the application or module must map to a user or group from the domain user registry. accessIds: The accessIds are required only when using cross realm communication in a multi domain scenario. For all other scenarios the accessId will be determined during the application start based on the user or group name. The accessIds represent the user and group information that is used for Java Platform, Enterprise Edition authorization when using the WebSphere default authorization engine. The format for the accessIds is user:realm/uniqueUserID, group:realm/uniqueGroupID. Entering wrong information in these fields will cause authorization to fail. AllAuthenticatedInTrustedRealms: This indicates that any valid user in the trusted realms be given the access. AllAuthenticated: This indicates that any valid user in the current realm be given the access.						
Map	o Users Map Groups Ma	p Special Subjects 🔻				
	õ					
Select	ct Role Special subjects Mapped users Mapped groups					
	reader	Everyone				
	everyone-authenticated	All Authenticated in Application's Realm				
	person	All Authenticated in Application's Realm				
	global-moderator None Aamir_000_000					
ок с	ancel		•	-		

Figure 198. Enterprise Applications: Moderation

- \_\_\_\_2. Click **OK** and then **Save**.
- \_\_\_\_3. Sync nodes and restart servers.

# Config SiteMinder+SPNEGO



Open request to WTI team to asking help to configure Siteminder+SPNEGO on Siteminder policy server:

http://www-10.lotus.com/ldd/lcwiki.nsf/xpDocViewer.xsp?lookupName=IBM+Connections+ 4.0+documentation#action=openDocument&res\_title=Enabling\_single\_signon\_for\_SiteMin der\_with\_SPNEGO\_ic40&content=pdcontent.

\_\_\_1. Update US\_export\_policy.jar and local\_policy.jar to both DM and Nodes.

) /opt/IBM/WebSphere/AppSe	rver/java/jre/lib/se	curity
Name 🔺	Size	Туре
<b>)</b>		
🐌 backup		File folder
blacklist	94 Bytes	File
cacerts	77KB	File
java.policy	2KB	POLICY F
java.security	10KB	SECURIT
javaws.policy	132 Bytes	POLICY F
local_policy.jar	4KB	JAR File
trusted.libraries	1KB	LIBRARI
US_export_policy.jar	4KB	JAR File

Figure 199. US and local policies files

\_\_\_\_2. Install Web Agent for IHS:



You can also install Web Agent for IHS by following the steps in this guide:

http://www-10.lotus.com/ldd/lcwiki.nsf/dx/Instructions\_for\_installing\_and\_configur ing\_the\_6x\_WebAgent\_for\_your\_HTTP\_server.

7

a. Run the following command to open the CA SiteMinder Web Agent.

```
:/software # ./nete-wa-6qmr6-cr007-rhel30.bin
Preparing to install...
Extracting the JRE from the installer archive...
Unpacking the JRE...
```

Figure 200. Command to open the CA SiteMinder Web Agent

\_\_\_\_b. In the introduction screen of the CA SiteMinder Web Agent, click **Next**.

28	CA SiteMinder Web Agent 🚬 🗙
· · · · · · · · · · · · · · · · · · ·	Introduction
Ca.	The Install Wizard will guide you through the installation of CA SiteMinder Web Agent v6QMR6 Hotfix 7.
1	It is strongly recommended that you quit all programs before continuing with this installation.
	Click the 'Next' button to proceed to the next screen. If you want to change something on a previous screen, click the 'Previous' button.
	You may cancel this installation at any time by clicking the 'Cancel' button.
InstallAnywhere	Previous Next

Figure 201. CA SiteMinder Web Agent: Introduction

Description and the second	CA SiteMinder Web Agent >
	License Agreement
Ca.	Installation and use of CA SiteMinder Web Agent v6QMR6 Hotfix 7 requires acceptance of the following License
	CA, Inc. ("CA")
	End User License Agreement (the "Agreement") for the CA software product that is being installed as well as the associated documentation and any SDK, as defined below, included within the product ("the Product").
	Carefully read the following terms and conditions regarding your use of the Product before installing and using the Product. Throughout this Agreement, you will be referred to as "You" or "Licensee."
	I accept the terms of the License Agreement
	○ I do NO <u>T</u> accept the terms of the License Agreement
	○ I do NO <u>T</u> accept the terms of the License Agreement
vnere —	Provious
el	Previous Next

Figure 202. CA SiteMinder Web Agent: License Agreement

\_\_\_\_d. Read the information before continuing and click **Next**.

<u>19</u>	CA SiteMinder Web Agent 📃 🗶
	Important Information
<b>C</b>	Please read before continuing:
THE THE	INSTALLATION NOTES
	Installation instructions for this CA product reside in one of these documents: o The product's Installation Guide o The product guide's installation chapter o The relnotes <product_version>.pdf file</product_version>
	DOCUMENTATION NOTES
	CA provides release notes and manuals as PDF files. See the instructions below for viewing and printing PDF files, especially for viewing PDF files
InstallAnywhere Cancel	Previous Next

Figure 203. CA SiteMinder Web Agent: Important Information

e.	Choose the location where you want to install the SiteMinder and click <b>Next</b> .
----	--

12	CA SiteMinder Web Agent 📃 🗙
	Choose Install Location
Ca.	Specify a location for the Web Agent. If the path does not contains the word "webagent," the installation program will create a folder called "webagent" and appends it to the end of your path.
	Where would you like to install?
	/opt/netegrity/webagent
	Restore Default Folder Choose
InstallAnswhere	
Cancel	Previous Next
	v <sup>3</sup>

Figure 204. CA SiteMinder Web Agent: Choose Install Location

\_\_\_\_f. Review the pre-installation summary before continuing and click Install.

8	CA SiteMinder Web Agent 📃 🗶
	Pre-Installation Summary
Ca	Please Review the Following Before Continuing:
	Product Name: CA SiteMinder Web Agent v6QMR6 Hotfix 7 Install Folder: /opt/netegrity/webagent Disk Space Information (for Installation Target): Required: 192,688,662 bytes Available: 136,879,316,992 bytes
InstallAnywhere Cancel	Previous Install

Figure 205. CA SiteMinder Web Agent: Pre-installation Summary

<u>9</u>	CA SiteMinder Web Agent	×
	Installing CA SiteMinder Web Agent v6QMR6 Hotfix 7	,
	Ca SiteMinder® Web Agent Copyright § 2010 C4. All rocks reserved	
	Installing Java Runtime Environment	
InstallAnywhere		ļ

Figure 206. CA SiteMinder Web Agent: Installing CA SiteMinder Web Agent v6QMR6 Hotfix 7

The installation begins.

a. When the installation is finished, click **Done**.

Set.	CA SiteMinder Web Agent 📃 🖌
	Install Complete
Ca	Congratulations! CA SiteMinder Web Agent v6QMR6 has been suc /opt/netegrity/webagent To configure the web agent, run the command /opt/netegrity/we Press "Done" to exit the installer.
InstallAnywhere	Previous Done

Figure 207. CA SiteMinder Web Agent: Installation Complete

\_\_\_\_3. Configure environment variables.

### :~/netegrity/webagent # ./nete wa env.sh

Figure 208. Environment variables command

- \_\_\_\_a. Run the following command to start the CA SiteMinder Web Agent v6QMR6.
- :/opt/netegrity/webagent # ./nete-wa-config.sh

Figure 209. Configuration command

\_\_\_\_b. In the host registration screen, select Yes, I would like to do Host Registration now and click **Next**.

12	CA SiteMinder Web Agent v6QMR6 📃 🗙
	Host Registration
<b>Ca</b> .	Select 'Yes' to register this Agent with the Policy Server. Select 'No' to register later. Select a checkbox to enable Cryptographic Hardware configuration.
	<ul> <li>Yes, I would like to do Host Registration now.</li> <li>No, I would like to do Host Registration later.</li> <li>Enable PKCS11 DLL Cryptographic Hardware.</li> </ul>
InstallAnywhere Cancel	Previous Next

Figure 210. CA SiteMinder Web Agent v6QMR6: Host Registration

\_\_\_\_c. Enter your admin user name and password and click **Next**.

8	CA SiteMinder Web Agent v6QMR6 📃 🗙
	Admin Registration
Ca.	Enter the name and password of an administrator who has the right to register trusted hosts with the Policy Server. This entry must match the name of an administrator defined in the Policy Server.
	Admin User Name     RegHost       Admin Password     ••••••       Confirm Admin Password     ••••••
	Enable Shared Secret Rollover
Cancel	Previous News

Figure 211. CA SiteMinder Web Agent v6QMR6: Admin Registration

\_\_\_\_d. Specify the name of the trusted host and the host configuration object and click Next.

12	CA SiteMinder Web Agent v6QMR6 _ X
9 m ;	Trusted Host Name and Configuration Object
Ca.	Specify the name of the host you want to register with the Policy Server. Enter the name of the host configuration object. The name must match a host configuration object name already defined on the Policy Server.
	Trusted Host Name dubxpcvm540_wa
	Host Configuration Object host_dubxpcvm540
InstallAnywhere Cancel	Previous

Figure 212. CA SiteMinder Web Agent v6QMR6: Trusted Host Name and Configuration Object

\_\_\_\_e. Select the policy server IP address and click **Next**.

	Policy Server IP Address
	where the port represents a Policy Server behind the firewall. or example: 111.12.12.2:1234 or myserver:1234 NOTE: Include the port number in the IP address only if your olicy Server is behind a firewall. IP Address <ip address=""> Remove Add</ip>
InstallAnywhere Cancel	Previous Next

Figure 213. CA SiteMinder Web Agent v6QMR6: Policy Server IP address
f. Er	Enter a file name and location to store the host configuration information and click Next					
1	CA SiteMinder Web Agent v6QMR6 🛛 🚬 🗙					
Host Configuration file loc						
	Enter a file name and location to store Host Configuration information or accept the default location /opt/netegrity/webagent/config and filename SmHost.conf.					
		File name SmHost.conf				
		Select a location /opt/netegrity/webagent/config	-			
		<u>R</u> estore Default Ch <u>o</u> ose				
InstallAny Cance	where	Previous Next				

Figure 214. CA SiteMinder Web Agent v6QMR6: Host Configuration file location

\_\_\_\_g. Enter the root path where the Apache Web server is installed and click **Next**.

1	CA SiteMinder Web Agent v6QMR6 📃 🗙
	Apache Web Server path
Ca.	Enter the root path of where Apache Web server installed.
	Please Choose a Folder:
	<u>R</u> estore Default Folder Ch <u>o</u> ose
InstallAnywhere Cancel	Previous Next

Figure 215. CA SiteMinder Web Agent v6QMR6: Apache Web Server path

\_\_\_\_h. If the Apache Web server version fails, select I would like to enter a specific configuration path and click **Next**.

¥.	CA SiteMinder Web Agent v6QMR6 🛛 👝 🗙
	Apache Web Server Failure
Ca.	Unable to find a version of Apache webserver: /opt/IBM/HTTPServer. Note: If you have any other Apache Web servers that may not be detected by the Wizard, please select the second option.
	<ul> <li>I would like to re-enter the Apache Server Root.</li> <li>I would like to enter a specific configuration path.</li> <li>I don't have an Apache Web server.</li> </ul>
InstallAnywhere	Previous

Figure 216. CA SiteMinder Web Agent v6QMR6: Apache Web Server failure

i.	Enter the specific configuration path for Apache Web server and click Next.				
M.		CA SiteMinder Web Agent v6QMR6 🛛 🗕 🗙			
	Apache Web Server pat				
		Please enter the configuration path for Apache Web server.			
		Please Choose a Folder: /opt/IBM/HTTPServer/conf			
		<u>R</u> estore Default Folder Ch <u>o</u> ose			
Install. Ca	Anywhere	Previous Next			

Figure 217. CA SiteMinder Web Agent v6QMR6: Apache Web Server path

j. Select ti	he Apache version and click <b>Next</b> .
<b>N</b>	CA SiteMinder Web Agent v6QMR6 🛛 🔜 🗙
	Apache Version
Ca	<ul> <li>Please select a choice for the Apache version.</li> <li>Apache version 1.x</li> <li>Apache version 2.x</li> <li>Apache version 2.2.x</li> </ul>
InstallAnywhere Cancel	Previous Next

Figure 218. CA SiteMinder Web Agent v6QMR6: Apache Version

\_\_\_\_k. Select the Apache server type and click **Next**.

5 <u>0</u>	CA SiteMinder Web Agent v6QMR6 🗙
	Apache Server Type
Ca.	Please select one of the following appropriately match your previous selection
	<ul> <li>Strong Hold</li> <li>Oracle</li> <li>IBM HTTP Server</li> <li>Covalent Enterprise-Ready Apache or FastStart Sen</li> <li>HP Apache</li> <li>HTTP Apache</li> </ul>
InstallAnywhere Cancel	Previous Next

Figure 219. CA SiteMinder Web Agent v6QMR6: Apache Server Type

I. Select the web serve	rs and click <b>Next</b> .
<b>1</b>	CA SiteMinder Web Agent v6QMR6 _ X
	Select Web Server(s)
	Select which web server(s) you wish to configure as Web Agent(s). Unselect a web server to unconfigure that web server. To preserve a web server, do not unselect that web server.
InstallAnywhere	Previous Next

Figure 220. CA SiteMinder Web Agent v6QMR6: Select Web Servers

The Agent Configuration Object screen is displayed.

2	CA SiteMinder Web Agent v6QMR6 >	
	Agent Configuration Object	
Ca.	Enter the name of an Agent Configuration Object that defines the configuration parameters which the Web Agent will use for IBM HTTP Server 2.2. Note: This entry must match an Agent Configuration object name already defined on the Policy Server.	
	Agent Configuration Object AgentObj	
InstallAnywhere Cancel	Previous Next	

Figure 221. CA SiteMinder Web Agent v6QMR6: Agent Configuration Object

m.	Enter the name of	an agent configuration	on object to define the	parameters and click Next.
		gg		

2	CA SiteMinder Web Agent v6QMR6	- ×
	Ag	ent Configuration Object
Ca	Enter the name of an Agent Configuration Object that define the configuration parameters which the Web Agent will use for IBM HTTP Server 2.2. Note: This entry must match an Agent Configuration object name already defined on the Policy Server.	
	Agent Configuration Object	dubxpcvm540_wa_conf
InstallAnywhere Cancel	ļ	Previous Next

Figure 222. CA SiteMinder Web Agent v6QMR6: Agent Configuration Object

\_\_\_\_n. Select the SSL configuration to configure IBM HTTP Server 2.2. and click Next.

	SSL Authentication	
Ca	The following SSL configurations are available for this web server. If the Web Agent will be providing advanced authentication, select which configuration it will use to configure IBM HTTP Server 2.2.	
	O HTTP Basic over SSL	
	X509 Client Certificate	
	X509 Client Certificate and HTTP Basic	
	X509 Client Certificate or HTTP Basic	
	X509 Client Certificate or Form	
	X509 Client Certificate and Form	
	No advanced authentication	
Install Am whore		
Cancel	Previous Next	

Figure 223. CA SiteMinder Web Agent v6QMR6: SSL Authentication

0.	Select No,	I don't want to	configure	Self Registration	h and click Next.
	,				

<b>V</b>	CA SiteMinder Web Agent v6QMR6 📃 🗙
5 C	Self Registration
Ca.	If this Web Agent is providing Self Registration for DMS2, select 'Yes'. Otherwise, select 'No'.
	<ul> <li>Yes, I would like to configure Self Registration</li> <li>No, I don't want to configure Self Registration</li> </ul>
InstallAnywhere Cancel	Previous

Figure 224. CA SiteMinder Web Agent v6QMR6: Self Registration

\_

\_\_\_\_p. Review the configuration selection and click **Install**.

<b>Set</b>	CA SiteMinder Web Agent v6QMR6 📃 🗶
	Web Server Configuration Summary
ca.	Please confirm the configuration selection. Accept the configuration and press 'Install' to continue. To change one or more settings, press 'Previous'.
	Configure the following webserver(s): Apache Server: IBM HTTP Server 2.2 Agent Configuration Object: dubxpcvm540_wa_conf SSL Authentication type: No advanced authentication
InstallAnywhere Cancel	Previous

Figure 225. CA SiteMinder Web Agent v6QMR6: Web Server Configuration Summary

q.	The installation is finished. Click <b>Done</b> .	
<b>V2</b>		CA SiteMinder Web Agent v6QMR6
19.×		Configuration Complete
		The installation of CA SiteMinder Web Agent v6QMR6 Configuration Wizard is finished, but some errors occurred during the install. Please see the installation log for details.
Install. Ca	Anywhere	Previous

Figure 226. CA SiteMinder Web Agent v6QMR6: Configuration Complete

\_\_\_\_4. Install Application Server Agent (ASA) on WebSphere nodes.



You can also install Application Server Agent (ASA) by following the steps in this guide: http://www-10.lotus.com/ldd/lcwiki.nsf/dx/Installing\_the\_Application\_Server\_Agent\_ lprASArpr.

\_\_\_\_a. Run the following command to open the CA eTrust SiteMinder Agent v6.0 for WebSphere.

```
:/software/smasa # java -jar ca-asa-6.0-cr11-was.jar
```

Figure 227. Command to open the CA eTrust SiteMinder Agent v6.0 for WebSphere

\_\_\_\_b. In the introduction screen of the CA eTrust SiteMinder Agent v6.0 for WebSphere, click **Next**.

🙀 CA eTrust SiteMinder Agent v6.0 for WebSphere 👝 🗙		
	Introduction	
Ca.	InstallAnywhere will guide you through the installation of CA eTrust SiteMinder Agent v6.0 for WebSphere.	
	It is strongly recommended that you quit all programs before continuing with this installation.	
	Click the 'Next' button to proceed to the next screen. If you want to change something on a previous screen, click the 'Previous' button.	
	You may cancel this installation at any time by clicking the 'Cancel' button.	
InstallAnywhere		
Cancel	Previous Next	

Figure 228. CA eTrust SiteMinder Agent v6.0 for WebSphere: Introduction

c. Accept the license ag	reement and click <b>Next</b> .
CA:	eTrust SiteMinder Agent v6.0 for WebSphere 📃 🗙
	License Agreement
ca.	Installation and Use of CA eTrust SiteMinder Agent v6.0 for WebSphere Requires Acceptance of the Following License Agreement:
	Computer Associates International, Inc. ("CA") End User License Agreement (the "Agreement") for the CA software product that is being installed as well as the associated documentation and any SDK, as defined below, included within the product ("the Product"). Carefully read the following terms and conditions regarding your use of the Product before installing and using the Product. Throughout this Agreement, you will be referred to as "You" or "Licensee."
	I do NOT accept the terms of the License Agreement
Cancel	Previous Next

Figure 229. CA eTrust SiteMinder Agent v6.0 for WebSphere: License Agreement

d. Choose the location where you want to install the product and click	<b>Next</b> .
--	---------------

CA e	Trust SiteMinder Agent v6.0 for WebSphere 📃 🗙
	Choose Install Folder
Ca.	Please choose the folder where the product will be installed.
	Where would you like to install?
	/opt/smwasasa
	<u>R</u> estore Default Folder Ch <u>o</u> ose
InstallAnvwhere	
Cancel	Previous Next

Figure 230. CA eTrust SiteMinder Agent v6.0 for WebSphere: Choose Install Folder

e.	Choose the location where WebSphere is installed and click Install.		
SEL.	CA eTrust SiteMinder Agent v6.0 for WebSphere 🗕 🗶		
1		Choose WebSphere Folder	
		Please choose the folder where WebSphere 6.0 is installed.	
		Please Choose a Folder:	
		/opt/IBM/WebSphere/AppServer	
		<u>R</u> estore Default Folder Ch <u>o</u> ose	
Install.	Anywhere	Previous Install	

Figure 231. CA eTrust SiteMinder Agent v6.0 for WebSphere: Choose WebSphere Folder

The installation begins.

CA: eTrust SiteMin	nder Agent v6.0 for WebSphere 📃 🗶
Installing CA eTru	ust SiteMinder Agent v6.0 for WebSphere
	Computer Associates*
	eTrust <sup>®</sup> SiteMinder <sup>®</sup>
	Application Server Agent v6.0
	for WebSphere
Installing	2005 Computer Associates International, Inc. All rights reserved.
InstallAnywhere Cancel	<b>h</b>



f.	In the host registration screen, select Yes, create trusted host and click <b>Next</b> .		
1	GA	eTrust SiteMinder Agent v6.0 for WebSphere	- ×
1		Ho	st Registration
Install	Am where	Would you like to create a trusted host? Yes, create trusted host.     No, use existing file.	
Ca	ancel	Previous	<u>N</u> ext

Figure 233. CA eTrust SiteMinder Agent v6.0 for WebSphere: Host Registration

\_\_\_\_g. Check the SiteMinder host information and click **Next**.

📲 CA eTrust SiteMinder Agent v6.0 for WebSphere 📃 🗙		
Host Registration		
Ca	SiteMinder Host Inform	nation
	Policy Server IP Address:	<policy address="" ip="" server=""></policy>
	SM Admin Username:	RegHost
	SM Admin Password:	•••••
	Host Name:	<host name=""></host>
	Host Config Object:	host_dubxpcvm541_tai
500 C		
InstallAnywhere		
Cancel		Previous Next

Figure 234. CA eTrust SiteMinder Agent v6.0 for WebSphere: Host Registration

CA CA	eTrust SiteMinder Agent v6 0 for WebSphere 🔔 🗶
	Agent Configuration
	Please enter the agent configuration object name.
	Agent configuration object name: dubxpcvm541_tai_conf
InstallAnywhere Cancel	Previous Next

\_\_\_h. When prompted, enter the agent configuration object name and click **Next**.

Figure 235. CA eTrust SiteMinder Agent v6.0 for WebSphere: Agent Configuration

	<b>14</b> /1 11 1 1 11 11 1 1 (1 1 1 1	
1	When the installation is tinished	click <b>Done</b> to duit the installer
_ ''		

CA e	Trust SiteMinder Agent v6 0 for WebSphere 📃 🗙	
Install Complete		
Congratulations! CA eTrust SiteMinder Agent v6.0 for WebSphere has been successfully installed to: /opt/smwasasa		
InstallAnywhere Cancel	Previous Done	

Figure 236. CA eTrust SiteMinder Agent v6.0 for WebSphere: Installation Complete

## 3. Post-actions after installation agent



## Information

For more detailed information about post actions after installation agent, see

http://www-10.lotus.com/ldd/lcwiki.nsf/xpDocViewer.xsp?lookupName=IBM+Connections+ 4.0+documentation#action=openDocument&res\_title=Enabling\_single\_signon\_for\_SiteMin der\_with\_SPNEGO\_ic40&content=pdcontent.

1. When the Application Server Agent is configured ensure to copy smagent.properties from the agent installation directory smwasasa\conf to AppServer\profiles\AppSrv01\properties on each node. Go to Security > Global

security > Web and SIP security, and check Enable Trust association.

General Properties				
V Enal	ble trust	associatio	n	
Apply	ОК	Reset	Cancel	

Figure 237. Enabling trust association

- \_\_\_\_2. Click **OK** and then **Save**.
- \_\_\_3. Then, go to Global security > Trust association > Interceptors, and add a trust as shown in the following figure:

Specifies the trust information for reverse proxy servers.				
General Properties				
* Interceptor class name				
com.netegrity.siteminder.websphere.auth.SmTrustAssociationInterceptor				
Custom properties				
Select Name	Value	New		
		Delete		
Apply OK Reset Cancel		_		

Figure 238. Specifying the trust information for servers proxy servers

\_\_j. Click **OK** and then **Save**.

\_\_\_\_k. Click the resource as in the following figure.

<u>Global security</u> > <u>Trust association</u> > Interceptors				
Specifies the trust information for reverse proxy servers.				
Preferences				
New Delete				
Select	Interceptor Class Name 🗘			
You can administer the following resources:				
	com.ibm.ws.security.oauth20.tai.OAuthTAI			
	com.ibm.ws.security.spnego.TrustAssociationInterceptorImpl			
	com.netegrity.siteminder.websphere.auth.SmTrustAssociationInterceptor			

Figure 239. Interceptors: Administering resources

```
____I. Add the following lines into httpd.conf and restart IHS:
```

```
RewriteEngine On
RewriteCond %{REQUEST_URI} /(.*)/ibm_security_logout(.*)
RewriteCond %{QUERY_STRING}
!=logoutExitPage=https://connections.example.com/homepage
RewriteRule /(.*)/ibm security logout(.*)
/homepage/web/ibm_security_logout?logoutExitPage=https://connections.example.com
/homepage [noescape,L,R]
RewriteCond %{REQUEST_URI} !^/blogs/roller-ui/rendering/(.*)
RewriteRule ^/blogs/(.*)/api/(.*) /blogs/roller-ui/rendering/api/$1/api/$2 [R,L]
RewriteCond %{REQUEST URI} !^/blogs/roller-ui/rendering/(.*)
RewriteRule ^/blogs/(.*)/feed/tags/atom(.*)
/blogs/roller-ui/rendering/feed/$1/tags/atom/ [R,L]
RewriteCond %{REQUEST_URI} !^/blogs/roller-ui/rendering/(.*)
RewriteRule ^/blogs/(.*)/feed/entries/atom(.*)
/blogs/roller-ui/rendering/feed/$1/entries/atom/ [R,L]
RewriteCond %{REQUEST_URI} !^/blogs/roller-ui/rendering/(.*)
RewriteRule ^/blogs/(.*)/feed/comments/atom(.*)
/blogs/roller-ui/rendering/feed/$1/comments/atom/ [R,L]
RewriteCond %{REQUEST_URI} !^/blogs/roller-ui/rendering/(.*)
RewriteRule ^/blogs/(.*)/feed/blogs/atom(.*)
/blogs/roller-ui/rendering/feed/$1/blogs/atom/ [R,L]
LoadModule ibm_ssl_module modules/mod_ibm_ssl.so
<IfModule mod_ibm_ssl.c>
Listen 0.0.0:443
<VirtualHost *:443>
ServerName connections.example.com
SSLEnable
AllowEncodedSlashes On
RewriteEngine On
RewriteCond %{REQUEST_URI} /(.*)/ibm_security_logout(.*)
RewriteCond %{QUERY_STRING}
!=logoutExitPage=https://connections.example.com/homepage
RewriteRule /(.*)/ibm_security_logout(.*)
/homepage/web/ibm_security_logout?logoutExitPage=https://connections.example.com
/homepage [noescape,L,R]
RewriteCond %{REQUEST_URI} !^/blogs/roller-ui/rendering/(.*)
RewriteRule ^/blogs/(.*)/api/(.*) /blogs/roller-ui/rendering/api/$1/api/$2 [R,L]
RewriteCond %{REQUEST_URI} !^/blogs/roller-ui/rendering/(.*)
RewriteRule ^/blogs/(.*)/feed/tags/atom(.*)
/blogs/roller-ui/rendering/feed/$1/tags/atom/ [R,L]
RewriteCond %{REQUEST_URI} !^/blogs/roller-ui/rendering/(.*)
RewriteRule ^/blogs/(.*)/feed/entries/atom(.*)
/blogs/roller-ui/rendering/feed/$1/entries/atom/ [R,L]
RewriteCond %{REQUEST_URI} !^/blogs/roller-ui/rendering/(.*)
RewriteRule ^/blogs/(.*)/feed/comments/atom(.*)
/blogs/roller-ui/rendering/feed/$1/comments/atom/ [R,L]
RewriteCond %{REQUEST_URI} !^/blogs/roller-ui/rendering/(.*)
RewriteRule ^/blogs/(.*)/feed/blogs/atom(.*)
/blogs/roller-ui/rendering/feed/$1/blogs/atom/ [R,L]
```

- </VirtualHost> </IfModule> SSLDisable
- 4. Configure SPNEGO over https. Add the following lines to httpd.conf in

/opt/IBM/HTTPServer/conf:

Listen 444 <VirtualHost \*:444> ServerName connections.example.com SSLEnable KeyFile "/opt/IBM/HTTPServer/bin/IHSkey.kdb" SSLStashFile "/opt/IBM/HTTPServer/bin/IHSkey.sth" </VirtualHost>

\_\_a. In WebSphere Application Server console, go to Environment > Virtual Hosts > default\_host > Host Aliases, new aliases as in the following:



Figure 240. Host Aliases, new aliases

- \_\_\_b. Click **OK** and then **Save**.
- \_\_\_\_c. Sync nodes and wait some time.
- \_\_\_\_d. In WebAgent.conf under /opt/IBM/HTTPServer/conf, uncomment this line: localconfigfile="/opt/IBM/HTTPServer/conf/LocalConfig.conf".
- \_\_\_\_e. In LocalConfig.conf under /opt/IBM/HTTPServer/conf, add one line like as follows: IgnoreHost="connections.example.com:444", and comment out every other line in this config.
- \_\_\_f. Restart HTTP server.
- \_\_\_g. In LotusConnections-config.xml file under /opt/IBM/WebSphere/AppServer/profiles/Dmgr01/config/cells/ConnectionsCell 01/LotusConnections-config, modify each interService URL as follows:

<sloc:interService href="https://connections.example.com:444"/>

- \_\_\_\_h. Leave the authenticator as DefaultAuthenticator without change.
- \_\_\_i. Full sync nodes.
- \_\_\_\_j. Stop all nodes and DM. Start DM and nodes again, and start Connections server.

## IIV.