JD Edwards EnterpriseOne Tools

IBM WebSphere Portal for Microsoft Windows Guide

9.2

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Preface

Welcome to the JD Edwards EnterpriseOne documentation.

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Related Information

For additional information about JD Edwards EnterpriseOne applications, features, content, and training, visit the JD Edwards EnterpriseOne pages on the JD Edwards Resource Library located at:

http://learnjde.com

Conventions

The following text conventions are used in this document:

Convention	Meaning
Bold	Boldface type indicates graphical user interface elements associated with an action or terms defined in text or the glossary.
Italics	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
Monospace	Monospace type indicates commands within a paragraph, URLs, code examples, text that appears on a screen, or text that you enter.
> Oracle by Example	Indicates a link to an Oracle by Example (OBE). OBEs provide hands-on, step- by-step instructions, including screen captures that guide you through a process using your own environment. Access to OBEs requires a valid Oracle account.



Overview

This document describes the process of installing and configuring WebSphere Portal Server v8.5. Before beginning the installation, verify that your environment meets the requirements by referring to the Minimum Technical Requirements document for Collaborative Portal 8.5, which is referenced in this section of this guide: Minimum Technical Requirements.

This document steps the installer through the installation, upgrade, and configuration of the WebSphere Portal Server environment and its related components. The document includes sections on databases transfer, security, and LDAP. WebSphere Portal v8.5 includes an install wizard that eases the entire installation process.

WebSphere Portal v8.5 includes an install wizard to make the overall installation process friendlier. The installation wizard can be used for post installation processes such as database transfer, disable and enable security and configure LDAP server.

Chapter 1

Overview



2 Installing the WebSphere Portal Server

Prerequisites

The following sections discuss the prerequisites for installing the Websphere portal server.

Minimum Technical Requirements

Before you install Portal v8.5, you must first install WebSphere Application Server 8.5.5.6 and the latest supported fix pack listed in the JD Edwards EnterpriseOne HTML Web Server Minimum Technical Requirements (MTRs). These MTRs are available on My Oracle Support in document ID 705409.1 and can be accessed at this link:

https://metalink3.oracle.com/od/faces/secure/km/DocumentDisplay.jspx?id=705409.1

Installing WebSphere Application Server 8.5.5.6

To install WebSphere Application Server 8.5.5.6, refer to Chapter 3: Installing and Configuring WebSphere Application Server 8.5.5.6 in the JD Edwards EnterpriseOne HTML Web Server Reference Guide for Microsoft Windows-Based Systems and WebSphere Application Server 8.5.5.6. This document is available on My Oracle Support in document ID 705495.1 and can be accessed at this link:

https://metalink3-dr.oracle.com/od/faces/secure/km/DocumentDisplay.jspx?id=705495.1

If you are using same single physical machine for both the Portal and the HTML Server, you cannot install the JD Edwards EnterpriseOne HTML Web Server (also called JAS) to the same profile as that of Portal. By default, WebSphere Portal v8.5 creates a separate profile called wp_profile.

References

IBM product documentation for Portal v8.5:

http://www.ibm.com/developerworks/websphere/zones/portal/proddoc/index.html

http://www-10.lotus.com/ldd/portalwiki.nsf/xpViewCategories.xsp?lookupName=IBM%20WebSphere%20Portal
%207%20Product%20Documentation&SessionID=CWFHNIG8CY

IBM WebSphere Application Server 8.5.5.6 Info Center:

http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp

IBM Portal v8.5 Hardware and Software Requirements:

http://www-01.ibm.com/support/docview.wss?uid=swg27007791



Preparing the Microsoft Windows Operating System

Use these steps to prepare your Microsoft Windows operating system for the installation of Portal 8.5 components:

- 1. Check that the system logon user ID you will use during installation has the following permissions and rights:
 - The user ID must already exist prior to installation.
 - The user ID must belong to the Administrators group.
- 2. Perform these steps to determine if a user account is a member of the Administrators group:
 - a. Click Start > Programs > Administrative Tools > Computer Management.
 - **b.** Expand Local Users and Groups and select Groups.
 - c. Open the Administrators group to see what members belong to it.
 - **d.** Add the user to the Administrators group if necessary.
- **3.** Consider these recommendations when installing to avoid excessively long path names:
 - Specify short cell and node names; do not use names longer than 5 characters. For example, you might use scell instead of stonemillNode01cell.
 - Ensure there are no special characters in the node and/or cell names as they are known to cause problems during install.
 - Name WAR files with less than 21 characters. If necessary, modify the file name before installing.
 - Refer to the following tech note for additional information: WKSP0016E 'Filename is too long error' in Microsoft Windows..

Note: If you exceed the 259 maximum character length, you may receive one of these error messages during configuration or in the wpinstalllog.txt file: • The input line is too long. • The syntax of the command is incorrect. • The filename is too long.

4. If you are installing on a server with a firewall enabled, disable the firewall before installing. If you do not disable the firewall and the installation program detects it, a warning message might be displayed during the installation.

Installing the Portal Server

To begin the installation

- 1. Download the WebSphere Portal 8.5 software from the IBM support site.
- **2.** From either the Setup CD or directory, you can use various methods to launch the installer, as shown in this table (it is recommended to use Graphical user interface for installation):

Installation Method	Command and Description
Graphical user interface	install
Console mode	install -console



Installation Method	Command and Description
Silent install	install -options "path_to_file\response_filename"
	where path_to_file is the full path to the response file, and
	where response_filename is the name of the file.
	A sample install response file (installresponse.txt) and a sample uninstall response file (uninstallresponse.txt) are located in the root directory of the Setup CD.
	Important: Do not place the response file in a path that contains a space and do not put a space in the file name.

Installation Method	Command and Description

Note:

If the installation program does not detect a WebSphere Application Server instance that you know exists, exit the installation program and re-run it using command line options to specify the WebSphere Application Server instance location.

For example:

install -W was.undetectedWas="\my\WAS\location"

Upon execution, by default the installer creates a separate profile called wp_profile. This profile is used to host the Portal contents. Therefore, you should not install Portal into an existing profile with other applications installed.

	Install IBM WebSphere Portal
Welcome	
Quick Start	IBM Installation Manager (IIM) is required to install WebSphere Portal, Web
Release Information	Content Manager, and many other IBM products. If you already have IIM installed, the existing instance is used. Otherwise, the installation process
Prerequisite Information	installs IIM for you.
Install Portal	Install IBM Installation Manager only
Administrative Tools	Installs IIM or, if you already have IIM installed, updates it to the required
Exit	version. Select this option if you need to configure the repository location. For example, if you want to install from IBM Passport Advantage Online or from a custom package that was assembled with the IBM Packaging Utility.
	Install IBM WebSphere Portal
	Installs IIM and uses the default repository included with the image. Select this option if you want to install from images stored locally or hosted on a network drive.
	Install IBM DB2
	IBM DB2 is included to provide a storage solution for your digital experience. Install it before you configure your environment. (Other databases are supported.)

3. After launching the IBM WebSphere Portal wizard, select Install Portal in the left window pane, and then click on the hyperlink for Install IBM Installation Manager only.



	IBM Installation Manager		
Install Packages			~
Select packages to install:			-
Installation Packages	Status	Vendor	License Key Type
∠ ♥ IBM® Installation Manager ♥ 00 Version 1.7.1	Will be installed	IBM	No key required
Show all versions		Check for	Other Versions, Fixes, and Extensions
Details			
BM® Installation Manager 1.7.1			
The IBM® Installation Manager is a tool that you can use	to install and maintain your software packages. More int	<u>o</u>	
 Repository: C:\software\wps\WSP_EXTEND_8.5_SETUP' 	\SETUP\IIM\win64		
		< Back Next >	Install Cancel

4. On the Install Packages window, make sure that the IBM Installation Manager and the version have been selected. Click the Next button.

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I accept the terms in the license agreement I do not accept the terms in the license agreement Sack Next > Install Cancel	2.	Agreement Structure
O I do not accept the terms in the license agreement < Back	۲	l accept the terms in the license agreement
< Back Next > Install Cancel	0	I do not accept the terms in the license agreement
< Back Next > Install Cancel		
	?	< Back Next > Install Cancel



5. Accept the license agreement terms and click the Next button.

٥		IBM Installation Manager				_ 🗆 X	
	Install Packages						
	Select a location for Installation Manager.					7	
	Install Licenses Location Summary						
	Once installed, IBM Installation Manager will be used to	install, update, modify, manage and uninstall	your packages.				
	Installation Manager Directory: C:\IBM\Installation Manager\	eclipse				Browse	
	Disk Space Information						
	Volume Available Space C: 387.29 GB						
?	3		< Back	Next >	Install	Cancel	

6. Select a location for Installation manager and click Next.

۵	IBM Installa	tion Manager		_ 🗆 X
	Install Packages			-
	Review the summary information.			
	Install Licenses Location Summary			
	Target Location			
	Package Group Name: IBM Installation Manager			
	Installation Directory: C:\IBM\Installation Manager\eclipse			
	Packages			
	Packages IBM® Installation Manager 1.7.1			
	Environment Arabic, Brazilian Portuguese, Croatian, Czech, Danish, Dutch, English, Finnish, French, German Greek Hebrew Hungarian Italian Japanese Korean Norwegian Polich	Disk Space Information Total Available Space		
	Russian, Simplified Chinese, Slovak, Slovenian, Spanish, Swedish, Thai, Traditional Chinese, Turkish	C: 387.29 GB Total Download Size: 136.84 MB Total Installation Size: 233.98 MB		
	Repository Information		\frown	
			$\langle \rangle$	
?		< Back	Next > Install	Cancel
		12		a 77.



7. Review the summary information and click Install.

	IBM Installa	tion Manager	
Install Packages			~
Review the summary information			
nevew the summary mornation.			
Install Licenses Location	on Summary		
Target Location			
Package Group Name: IBM Installation N	/lanager		
Installation Directory: C:\IBM\Installatio	n Manager\eclipse		
Packages			
Packages			
IBM [®] Installation Manager 1.7.1			
Environment		Disk Space Information	
Arabic, Brazilian Portuguese, Croatian, Cze	ech, Danish, Dutch, English, Finnish, French,	Total Available Space	
German, Greek, Hebrew, Hungarian, Italian	n, Japanese, Korean, Norwegian, Polish,	C: 387.29 GR	
Russian, Simplified Chinese, Slovak, Slover	nian, Spanish, Swedish, Thai, Traditional	50725 00	
Chinese, Turkish		Total Download Size: 136.84 MR	
		Total Installation Size: 233.98 MB	
Repository Information			
	-0 20110200 02 (109/)		
alling.: Extracting zip Jre.win32.x86_64 6.0.0.s	inaTro 1 In Tro 2013 (1829)		Pause Download
			rause bownload Can



8. The progress of the install will be displayed in the bar along the bottom of the screen.

۲	IBM Installation Manager	_ D X
Install Packages		-
	The packages are installed. <u>View Log File</u>	
	The following package was installed:	
	∡ ^e _{va} IBM Installation Manager IBM [®] Installation Manager 1.7.1	
	Click on "Restart Installation Manager" to launch the new Installation Manager and to start installation of other package(s).	
0		Restart Installation Manager



9. When the install of Installation Manager completes successfully, this screen will appear. Click on Restart Installation Manager to launch the new Installation Manager and to start installation of other packages.

۲	IBM Installation Manager	_ 🗆 X
File Help		
Open View Log Installation History View Installed Packages Preferences Exit		
	Install Install software packages.	
	Update Discover and install updates and fixes to installed software packages. Roll Back	
	Modify Change installed software packages by adding or removing features and functions.	
		-
IBM.		



10. After Installation Manager is launched, select File|Preferences.

۹	8.°	Preferences	_ D X
type filter text	HTTP Proxy		🛵 🔹 🖒 👻 💌
Repositories Appearance Files for Bollback	Specify a proxy ser	ver for HTTP protocol. rver	
▷ Help	Proxy host	www.proxy.com	
⊿ Internet ETP Prove	Proxy port	8020	
HTTP Proxy	P Proxy Use SOCKS		
Passport Advantage	SOCKS proxy host		
Updates	SOCKS proxy port	0	
			Restore Defaults Apply
0			OK Cancel

11. Make sure that the correct information is provided for the Proxy host and Proxy port. Click OK.

۵	Preferences	1-	-		X	
type filter text	Updates	⇔	• 0	Ş.	÷	
Repositories Appearance Files for Rollback > Help > Internet Passport Advantage Updates	The Installation Manager can optionally search for updates to itself whenever any of the following pages are opened Install Packages Modify Packages Update Packages And when clicking the "Check for Other Versions, Fixes, and Extensions" button on the "Install Packages" page. ✓ Search for Installation Manager updates	from t	he S	Start	pag	Je:
	Restore Default	5	A	pply	ţ	
0	ОК		Car	ncel]

12. If you want to search for Installation Manager updates, then select the checkbox. Click OK.

٩	IBM Installation Manager	_ 🗆 X
File Help		
	<image/> <table-row></table-row>	
TRM		

13. To discover and install updates and fixes to installed software packages, click Update.

0		IBM Installation Manager		_ 🗆 X
File Help				
IBM Installation Manager				
	۵	IBM Installation Manager	_ D X	
	A new version of II Installation Manag new version of the Do you want to up	BM Installation Manager is available. If you do not ger you will not be allowed to install some package Installation Manager. Mate the Installation Manager? Yes No Modify Change installed software packages by adding or removing features and functions.	update the sthat require the Details >> Cancer Uninstall	
IBM.				

14. A popup window will notify you if there are updates available.

Θ	IBM Installation Manager	_ 🗆 X
File Help		
IBM Installation Manager		
	Progress Information	
	Retrieving files at 366 KB/s. 3.4 MB of 152 MB (3%) completed.	
	Change installed software packages by adding or removing features and functions.	
IBM.		

15. If Yes has been selected, a Progress Information popup window will appear displaying the progress of the update being installed.



16. Once the update is installed, the IBM Installation Manager home screen will appear. Select File|Preferences.

۵	Preferences			- - ×
II	Repositories		4	ó • Q • •
Repositories Appearance Files for Rollback Help Internet Passport Advantage Secure Storage Updates	Repositories: Image: C:\software\wps\WSA_Server_NetDeplo_8.5.5.2\WAS8552\reposit Image: C:\software\Wps\WsA_Server_NetDeplo_8.5.5.5.2\WAS8552\reposit Image: C:\software\Wps\WsA_Server_NetDeplo_8.5.5.5.2\WAS8552\WsA_Server_NetDeplo_8.5.5.5.2\WA	Connection	Add I Edit I Remov Ma Clear Test o ing the Installation	Repository Repository ve Repository Move Up ove Down Credentials Connections Manager itself) Apply
1		Ľ	ОК	Cancel

17. Within Preferences, select Repositories in the left window pane. Click on the Add Repository button.

Add a repository Specify a repository and add to the repository preference list.		
Repository:		
C:\software\wps\WSP_EXTEND_8.5_SETUP\SETUP\repository.config		✓ Browse
	ОК	Cancel



18. In the Add a repository popup window, add WSA_Server_NetDeplo_8.5.5.2 and then click OK.

Not all users may use WSP Extend but WSA_Server_NetDeploy, WSA Srvr 8.5.



۵	Preferences		_ D X
type filter text	Repositories		$\phi \star \phi \star \star$
Repositories Appearance Files för Rollback Help Internet Passport Advantage Secure Storage Updates	Repositories: Image: C:\software\wps\WSA_Server_NetDeplo_8.5.5.2\WAS8552\reposit Image: C:\software\wps\WSP_EXTEND_8.5_SETUP\SETUP\repository.conf Image: C:\software\wps\WSP_Extend_8.5_Install\WP85_Extend\repository Image: C:\software\wps\WSP_Server_8.5_Install\WP85_Server\repository Image: C:\software\wps\WSP_Server_8.5_Install\WP85_Server\repository Image: C:\software\wps\WS_SDK_JAVA_TECH_7.0.6.1\IBMJAVA7\repository Image: C:\software\wps\WS_SDK_JAVA_TECH_7.0.6.1\IBMJAVA7\repositor Image: C:\software\wps\WS_SDK_JAVA_TECH_7.0.6.1\IBMJAVA7\repositor Image: C:\software\wps\WS_SDK_JAVA_TECH_7.0.6.1\IBMJAVA7\repositor Image: C:\software\wps\WS_SDK_SDK_SDK_SOK_SCK_SCK_SCK_SCK_SCK_SCK_SCK_SCK_SCK_SC	Connection	Add Repository Edit Repository Remove Repository Move Up Move Down Clear Credentials Test Connections
0		0	K Cancel

19. Add these repositories, and then click OK:

WSA_Server_NetDeplo_8.5.5.2

WSP_Server_8.5_Install

WS_SDK_JAVA_TECH_7.0.6.1





20. Click Install.

IDM I	Installation Manager			
nstall Packages				-5
Select packages to install:				Y
				-
				-+1
Installation Packages	Status	Vendor	License Key Ty	pe
IBM V by Sphere Application Server Network Deployment	Installed	10202		
Version 8.5.5.2	100.000-00.	IBM		
IBM WebSphere SDK Java Technology Edition (Optional)	Installed			
Version 7.0.6.1	Installed	IBM		
IBM WebSphere Portal Server		101.1		
Version 8.5.0.0	Will be installed	IBM		
A BM Websphere Portal Extend		101.4		
Version 8.5.0.0		IBIM		
		Charles	or Other Versions First and	d Estanciona
] Show all versions		Check f	or Other Versions, Fixes, an	d Extensions
]Show all versions etails		Check f	or Other Versions, Fixes, an	d Extensions
] Show all versions Petails BM WebSphere Portal Server 8.5.0.0		Check f	or Other Versions, Fixes, an	d Extensions
Show all versions etails BM WebSphere Portal Server 8.5.0.0 BM® WebSphere® Portal Server provides a single access point to web content rebSphere Portal supports workflows, content management, simplified usabilit hese capabilities provide an exceptional web experience to help you become a	and applications, while delivering ty and administration, developme social business. <u>More info</u>	Check f g differentiated, personaliz ent tools and Web 2.0, ope	or Other Versions, Fixes, an zed experiences for each us en standards, security, and :	d Extensions er. scalability.
Show all versions Setails BM WebSphere Portal Server 8.5.0.0 BM® WebSphere® Portal Server provides a single access point to web content VebSphere Portal supports workflows, content management, simplified usabilit ihese capabilities provide an exceptional web experience to help you become a Repository: C:\software\wps\WSP_Server_8.5_Install\WP85_Server	and applications, while delivering ty and administration, developme social business. <u>More info</u>	Check f g differentiated, personaliz ent tools and Web 2.0, ope	or Other Versions, Fixes, an zed experiences for each us en standards, security, and s	d Extensions er. scalability.
Show all versions Setails SM WebSphere Portal Server 8.5.0.0 SM® WebSphere® Portal Server provides a single access point to web content VebSphere Portal supports workflows, content management, simplified usabilit hese capabilities provide an exceptional web experience to help you become a Repository: C:\software\wps\WSP_Server_8.5_Install\WP85_Server	and applications, while delivering ty and administration, developme social business. <u>More info</u>	Check f g differentiated, personali ent tools and Web 2.0, ope	or Other Versions, Fixes, an zed experiences for each us en standards, security, and s	d Extensions er. scalability.
Show all versions Show all versions SM WebSphere Portal Server 8.5.0.0 SM © WebSphere © Portal Server provides a single access point to web content VebSphere Portal supports workflows, content management, simplified usabilitives these capabilities provide an exceptional web experience to help you become a Repository: C:\software\wps\WSP_Server_8.5_Install\WP85_Server	and applications, while delivering ty and administration, developme social business. <u>More info</u>	Check f g differentiated, personali ent tools and Web 2.0, ope	or Other Versions, Fixes, an zed experiences for each us en standards, security, and :	d Extensions er. scalability.

21. Select IBM WebSphere Portal Server and click Next.

)	IBM Installation Manager	_ _ ×							
Install Packa	ages								
Read the following	g license agreements carefully.	7-							
Install	Prerequisite Licenses Location Features Summary								
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 THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF LICENSEE, YOU REPRESENT AND WARRANT THAT YOU HAVE FULL AUTHORITY TO BIND LICENS TO THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS,
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"Warranty Period"	- one year, starting on the date the original Licensee is granted the license.								
7 A Ch		×							
I accept the terr	ms in the license agreement	Print All							
○ I do not accept	the terms in the license agreement								
-									
(?)	< Back	Next > Install Cancel							



22. Accept the license agreement terms and click Next.

۵		IBM	M Installation Manager		_ _ ×
	Install Packages A package group is a lo user interface. Select an	5 cation that contains one or more packages. Some con existing package group, or create a new one.	mpatible packages can be installed	d into a common package group and will shar	re a common
	Install Prere				
	O Use the existing pack	cage group			
	Create a new package	le group			
	Package Group Name		Installation Directory		Architecture
	^{ष्} द्ध IBM WebSphere	e Portal Server V8.5	C:\IBM WebSphere Portal Serve	er V8.5	64-bit
	Package Group Name: IBM WebSphere Portal Server V8.5 Installation Directory: C:\IBM WebSphere Portal Server V8.5 Architecture Selection: 32-bit 64-bit Details				Browse
					Diovisia
			Di		
	Shared Resources Direc	ctory: C:\IBM\IMShared		Volume Available Space C: 382.62 GB	
?)			< Back Next > Inst	tall Cancel



23. Select Create a new package group and click Next.

٥				IBN	A Installation	n Manager					•)	\$
	Install Packages											
	Select the features to insta	all.									4	
	Destall Desease	della I	lennere le	estina E		Cumment						
	mstall Prerequ	inside / L	icenses / Lu	ication P	eatures	Summary	0				-	
	Features	ro Dortal Conve										
	Portal Serv	er Profile	0.3.0.0									
	Show dependencies							Expand All	Collapse All	Restore Defau	It	
	 Selected by Installatio Details 	n Manager beo	ause of dependen	icies								
	IBM WebSphere Portal S	erver 8.5.0.0										
	IBM® WebSphere® Porta WebSphere Portal support scalability. These capabilit	l Server provid ts workflows, c ies provide an	es a single access j ontent manageme exceptional web e	point to web conte ent, simplified usab xperience to help y	nt and applicat ility and admin ou become a se	ions, while deliv istration, develo ocial business.	ering differentiate pment tools and V	d, personalized e Veb 2.0, open sta	xperiences for andards, secur	r each user. ity, and		
	Disk Space Information											
		Volume	Required	Temporary	Total	Available						
	Shared Resources Area	C:	0.0 KB	1.38 GB	1.38 GB	382.62 GB						×
?)						< Back	Next >	Inst	all Ca	ncel	1


24. Select the features to install and click Next.

0		IBM Installation Man	ager	_ _ X	
	Install Packages			-	
	(i) Click Next to continue.			2	
	Install Prerequisite I	Licenses Location Features Summ	nary		
	▲ (1) IBM WebSphere Portal Server 8.: S WebSphere Application Server	Configuration for IBM WebSphere Portal Server 8.5.0. WebSphere Application Server root directory selection			
	 Enter the Administrator user Enter the Administrator user 	Select WebSphere Application Server root directory	• •Sphere Application Server root directory •bSphere Application Server root directory that you want to use to configure WebSphere Portal.		
		Existing WebSphere Application Server root directory:	C:\IBM\WebSphere\AppServer	*	
	< III >				
?)		< Back Next > Install	Cancel	
			The second s	0110-	



25. Verify the existing WebSphere Application Server root directory and click Next.

٥		IBM Installation Manager	_ D X	
	Install Packages (i) Click Next to continue.		-	
	Install Prerequisite I	icenses Location Features Summary		
	 IBM WebSphere Portal Server 8.: WebSphere Application Server Enter the Administrator user ID and password for the Configuration Wizard. 			
	 Enter the Administrator user Enter the Administrator user 	Configuration Wizard Credentials This ID is used only to log in to the Configuration Wizard and can be different from the Portal administrative ID. Administrator user ID		
		ide		
		Administrator user password		

		Confirm administrator user password		
	La			
1				
0		2 Dark Naves lives I	Cancel	
0		<u>Sock</u> <u>Next</u> Install	Cancer	

26. On the security screen for the administration user ID and password, WebSphere Portal enables security by default. It is not possible and/or recommended to disable security. Complete these fields:

Field	Description
Administrative User ID	Enter the user ID that you assign for the Portal administrator. For example: wpsadmin This user is used for Stopping Services after the Portal installation is completed. It is not related to any user IDs used to access the operating system.
Administrative Password	Enter the password for the Administrative User defined in the previous field.
Confirm Password	Confirm the password you entered in the previous field.



	IBM Installation Manager	
stall Packages		
Click Next to continue.		7
Install Prerequisite Lic	enses Location Features Summary	
 IBM WebSphere Portal Server 8. WebSphere Application Server 	onfiguration for IBM WebSphere Portal Server 8.5.0.0 nter the Administrator user ID and password for the Portal Server.	
Enter the Administrator user	Selected configuration mode	~
	Standard	
	Advanced	
	Standard details	
	Тороlogy	
	Host name	
	den00aac.us.oracle.com	
	Node name	
	den00aacNode	=
	Cell name	
	den00aacCell	
	Admin Credentials for Portal Server	
	Administrator user ID	
	ide	
	Administrator user password	

	Confirm administrator user password	
III >	*****	×

27. On the instance properties screen, complete these fields:

Field	Description
Node name	Enter a unique Node name for this installation of WebSphere Portal and Lotus Web Content Management.
	The Node name is used to identify the server. Having a unique node name is important when configuring a federated, production environment.
	Do not use names that contain special characters (i.e _ underscoreetc.).
Host name	Enter the fully-qualified Host name for this installation of WebSphere Portal and Lotus Web Content Management. The Host name must include the fully-qualified domain name (for example, hostname.example.com). Do not use a local host or a loopback address



	Description	
	IBM Installation Manager	
nstall Packages		-N
Review the summary information.		7
Install Prerequisite Lice	enses Location Features Summary	
Farget Location Package Group Name: IBM WebSph Installation Directory: C:\IBM WebS Shared Resources Directory: C:\IBM\IMSh Packages C:\IBM Imsh	nere Portal Server V8.5 Sphere Portal Server V8.5 hared	
Deckages		
invironment	Disk Space Information	
invironment English	Disk Space Information Total Available Space C: 382.61 GB Total Download Size: 1.38 GB Total Installation Size: 4.47 GB	
Environment English Repository Information	Disk Space Information Total Available Space C: 382.61 GB Total Download Size: 1.38 GB Total Installation Size: 4.47 GB	

28. Review the summary information. Click Install.

	IBM Installation Manager	
nstall Packages		
Review the summary information.		7-
Install Prerequisite Licenses	Location Features Summary	
Target Location		
Package Group Name: IBM WebSphere Po	rtal Server V8.5	
Installation Directory: C:\IBM WebSphere	Portal Server V8.5	
Shared Resources Directory: C:\IBM\IMShared		
Packages		
Packages		
⊿ IBM WebSphere Portal Server 8.5.0.0		
🕼 Portal Server Profile		
invironment	Disk Space Information	
: nvironment English	Disk Space Information Total Available Space	
Environment English	Disk Space Information Total Available Space C: 382.61 GB	
i nvironment English	Disk Space Information Total Available Space C: 382.61 GB Total Download Size: 1.38 GB	
En vironment English	Disk Space Information Total Available Space C: 382.61 GB Total Download Size: 1.38 GB Total Installation Size: 4.47 GB	: 4 :
invironment English	Disk Space Information Total Available Space C: 382.61 GB Total Download Size: 1.38 GB Total Installation Size: 4.47 GB	1
Environment English • Repository Information	Disk Space Information Total Available Space C: 382.61 GB Total Download Size: 1.38 GB Total Installation Size: 4.47 GB	
Environment English • Repository Information ling	Disk Space Information Total Available Space C: 382.61 GB Total Download Size: 1.38 GB Total Installation Size: 4.47 GB	Pause Download

- **29.** A progress bar will appear at the bottom of the screen.
- **30.** Select Use the existing package group and click Next.
- **31.** The progress of the install will be displayed in the bar along the bottom of the screen.

32. When the install completes successfully, this screen will appear. This completes the installation of WebSphere Portal 8.5.

Registering the WSRP Provider

To register the WSRP Producer:



TRA			
Welcome	Tag Center	Search Center	Site Map
M CONTRACTOR OF			
Search	Sitemap		
Home			
0 V	Velcome		
o (Getting Started		
 Adminis 	tration		
0 V	NebSphere Portal		
	 Welcome 	2020 DEER DON	
	 Portal User 	Interface	
	 Man 	age Pages	
	 The 	mes and Skins	
	 Page Dectlet Man 	e remplates	
	 Fordet Wah Woh 	Modulos	
	 Appl 	lications	
	 App Port 	lets	
	 Web 	Services	
	 Virtu 	al Web Application Ma	anader
	 Access 	5.00	
	 Use 	rs and Groups	
	Res	ource Permissions	
	 Use 	r and Group Permissio	ins
	 Cred 	dential Vault	
	 Portal Settir 	ngs	
	 Glob 	oal Settings	
	 Cust 	tom Unique Names	
	 Sup 	ported Markups	
	 Sup 	ported Clients	
	 Impo 	ort XML	
	 Portal Content 	ent	
	 vvec 	diantere	
	 Synt 	acribors	
	 Sub. Eee 	d Configurations	
	- Fee	d Johs	
	Search Adn	ninistration	
	 Man 	age Search	
	 Portal Analy 	/sis	
	 The 	me Analyzer	
	 Frequencies 	uent Users	
	- Ena	ble Tracing	

- About IBM WebSphere Portal
- Virtual Dartala



1. When the IBM WebSphere Portal is launched a Site Map will be available. Select WebSphere Portal located below Administration.

		() - L	<u> </u>	· IBM.	(
	JDE Actions Log Out ⑦ Search Site	٩	Open portal ad	ministration	
dules					
nage Web Modules		□*			
earch by: File name starts with 🔻 Search:	Search				
b module Click Install to install a Web module. Select a W	eb module to view its portlet applications and portle	ts. Click Delete to remove the Web			
odule from your portal or click Assign Access to allow others	to work with the Web module.				
Install Consume					
	Page 1 of 8	Jump to page:			
ame	API Type Status				
p.portlet.thememanager.war	JSR 286	6 🖓 🖉 🛍			
p.portlet.themecreator.war	JSR 286	6 🖉 🖉 🛍			
p.portlet.themeproperties.war	JSR 286	6 🖉 🖉 🗎			
p.federated.documents.picker.portlet.war	JSR 286	6 🖓 🔎 🛍			
/p.portlet.sitemap.war	JSR 286	6 2 6			
ite-builder.war	JSR 286	6 2 6			
/p.portlet.createcontent.war	JSR 286	6 2 6			
ogin.war	JSR 168	6 2 2 6			
elfcare.war	JSR 168	8 2 8 1			
'srpproxy.war	JSR 286	6 🖉 🔎 🛈			

2. Select the Open portal administration icon located in the upper right side of the toolbar.

<u> 1880 - 1888 - 1886</u>			
IHM.			
Welcome	Tag Center	Search Center	Site Map
2			
searc	ch Sitemap		
 Home 			
0	Welcome		
0	Getting Started		
Admin	istration		
0	WebSphere Portal		
	 Welcome 		
	 Portal User 	Interface	
	 Man 	age Pages	
	Ther	nes and Skins	
	 Page 	e Templates	
	 Portlet Mana 	agement	
	 Web 	Modules	
	 Appl 	ications	
	 Porti 	ets	
	 Web 	Sprvices	
	 Virtu 	al Web Application Ma	anager
	 Access 		
	 User 	s and Groups	
	 Reso 	ource Permissions	
	 User 	and Group Permissio	ns
	 Cred 	lential Vault	



3. Next, click on Web Services located below Portlet Management.

]					(i) - Q
			JDE Actions	Log Out 🧿 Search S	Site Q
WebSphere Portal					
WebSphere Portal > Portlet Management	> Web Services				
Welcome					
Portal User Interface	Web Service Configu	ration			
Manage Pages					
Themes and Skins	EJPAB0009	I: No results were found from the sea	ch query condition	1.	
Page Templates					
Portlet Management	Search by: Title star	ts with T Search:		Search	
Web Modules	Producer Click New	Producer to create a new Producer. (lick Edit to edit the	e properties of the Producer. Cl	lick Delete to remove the Producer. Click
Applications	Assign access to allow	w others to work with the Producer.			
Portlets					
Web Services)
Virtual Web Application Manager		Absolution to Soliton			
Access	Title	Descrip	ion		In use WSRP version
Users and Groups	There are no entries	to display.			
Resource Permissions					
User and Group Permissions					
Credential Vault					



4. Click the New Producer button.

	•	Q, •
Web Service Configuration		□*
Edit Producer: E1_Menu		
Title:		
E1_Menu		
Description:		
URL to WSDL service definitions:		
http://den04jgs.us.oracle.com:8001/jde/wsdl/oasis/names/tc/wsrp/v1/bind/wsrp_service.wsdl		
I want to specify the user attributes that should be passed to this Producer.		
I want to specify the port settings for this Producer.		
I want to set titles and descriptions for other languages.		
OK Cancel		



5. Verify or enter the Edit Producer URL. Click OK.

				® - 9
Veb Service Configuration	on			
EJPAM1082I: Pr	oducer wsdl file processed	d successfully.		
Port settings for Produce	er:			
Click Edit to set the tran	nsport URLs and other po	rt specific information for th	is Producer.	
				Page 1 of 1
Port name	Supports HTTP	Supports HTTPS	Selected Transport	Page 1 of 1 Service reference
Port name Service description	Supports HTTP ✔	Supports HTTPS	Selected Transport HTTP	Page 1 of 1 Service reference
Port name Service description Management	Supports HTTP	Supports HTTPS	Selected Transport HTTP HTTP	Page 1 of 1 Service reference
Port name Service description Management Markup	Supports HTTP	Supports HTTPS	Selected Transport HTTP HTTP HTTP	Page 1 of 1 Service reference
Port name Service description Management Markup Registration	Supports HTTP	Supports HTTPS	Selected Transport HTTP HTTP HTTP	Page 1 of 1 Service reference



.

6. Click Edit to set the transport URLs and other port specific information for this Producer. Click Next.

				(D -	0
Veb Service Configuration	'n				□-
EJPAM1080I: CI	eated the Producer successfully.				
Search by: Title starts w Producer Click New Prod Assign access to allow oth	ith Search Search Search Search Search	Producer. Click Delete to	remove the Pro	oducer. (Clic
Search by: Title starts w Producer Click New Prod Assign access to allow oth New Producer	ith Search Search Search Search	Producer. Click Delete to	remove the Property Property Property Property Provident Property Provident Property Provident Property Provident Pr	oducer. (ge 1 of 1	Clic
Search by: Title starts w Producer Click New Prod Assign access to allow oth New Producer Title E1_Menu	ith Search Search Search Search Search Search Search Description	Producer. Click Delete to	remove the Pro Pa WSRP version V2	oducer. (ge 1 of 1 n	Clic



7. Add a New Producer if needed.

				•	D.
Welcome Portal User Interface Manage Pages Themes and Skins	Web Service Configuration	ated the Producer successfully.			
Page Templates Portlet Management Web Modules Applications Portlets	Search by: Title starts with Producer Click New Produ Assign access to allow othe	h Search: cer to create a new Producer. Click Edit to edit the rs to work with the Producer.	properties of the Producer. Click Delete to rem	ove the Producer	r. Click
Web Services Virtual Web Application Manager				Page 1 of	f1
Acress	Title	Description	In use WS	RP version	
Users and Groups	E1_Menu		∨2		<u>Ô</u> /
Resource Permissions User and Group Permissions				Page 1 of	f1



8. Select Web Modules below Portlet Management.

]			(i) - □, -
<u>IE</u> .		JDE Actions Log Out ⑦ Search Site	٩
WebSphere Portal			
WebSphere Portal > Portlet Management :	> Web Modules		
Welcome			
Portal User Interface	Manage web Modules		
Manage Pages	Search by: File name starts with Version Search:	Search	
Themes and Skins	Web module Click Install to install a Web module. Select a	Web module to view its portlet applications and portl	ets. Click Delete to remove the Web
Page Templates	module from your portal or click Assign Access to allow othe	rs to work with the Web module.	
Portlet Management	Install Consume		
Web Modules		Page 1 of 9	
Applications		Fage Foro	Jump to page.
Portlets	Name	API Type Status	
Web Services	wp.portlet.thememanager.war	JSR 286	
Virtual Web Application Manager	wp.portlet.themecreator.war	JSR 286	
Access	wp.portlet.themeproperties.war	JSR 286	6 2 6
Users and Groups	wp.federated.documents.picker.portlet.war	JSR 286	6 🖉 🖉 🛍
Resource Permissions	wp.portlet.sitemap.war	JSR 286	B 🖉 🖉 🗎
User and Group Permissions	site-builder.war	JSR 286	6 2 6
Credential Vault	wp.portlet.createcontent.war	JSR 286	6 7 6
Portal Settings	login war	ISB 168	
Global Settings	lognitwa	331(100	
Custom Unique Names	selfcare.war	JSR 168	
Supported Markups	wsrpproxy.war	JSR 286	6 🖉 🖉 🗎
Supported Clients		Page 1 of 8	▶ 🕨 Jump to page:1
Import XML			
Portal Content			

9. Click the Consume button.

]	6) -	Q , •
Welcome			_
Portal User Interface	Manage Web Modules		□*
Manage Pages	Consume Web Service, Step 1: Choose Producer.		
Themes and Skins	Choose a Producer from the list below to view services to consume. Or, search for a Producer and choose one from the search results to	o view	1
Page Templates	services.		
Portlet Management			
Web Modules	Search by Title starts with V Search Search		
Applications	Web Service Producers		
Portlets	Page	1 of 1	
Web Services	Title Description		
Virtual Web Application Manager	E1 Menu		
Access	Page	1 of 1	
Users and Groups		2020	
Resource Permissions	Cancel		
User and Group Permissions			



10. Click the E1_Menu hyperlink.

Velcome				_
Portal User Interface	Manage Web Modules			1000
Manage Pages	Consume Web Service, Step 2: Choose Web service.			
Themes and Skins Page Templates	QChoose a Web service from this Producer to consume. Or, se consume.	earch for a service within this producer and choose or	ne from the search results t	to
 ³ortiet Management Web Modules Applications 	Search by: Title contains Veb Service Producers E1_Menu	Search		
				4
Portlets			Page 1 of	
Portlets Web Services	Title	Group (Portlet Application)	Page 1 of Description	<u></u>
Portiets Web Services Virtual Web Application Manager	Title E1Menu_den04jgs.us.oracle.com:8001	Group (Portlet Application)	Page 1 of Description E1Menu	1.1
Portlets Web Services Virtual Web Application Manager ccess Users and Groups	Title E1Menu_den04jgs.us.oracle.com:8001	Group (Portlet Application) E1	Page 1 of Description E1Menu Page 1 of	1



11. Click OK.

Manage Web Modules		
EJPAQ1801I: Web module(s) have been consumed	d.	
Search by: File name starts with 🔻 Search:	Search	
Web module. Click Install to install a Web module. Select a V	Web module to view its portlet applications and port	ets. Click Delete to remove the Web
Install Consume	is to work with the web module.	
23	Page 1 of 8	▶ ▶ Jump to page: 1
Name	API Type Status	
wp.portlet.thememanager.war	JSR 286	B Q 2 D
wp.portlet.themecreator.war	JSR 286	6 🖉 🖉 🛍
wp.portlet.themeproperties.war	JSR 286	6 2 6
wp.federated.documents.picker.portlet.war	JSR 286	6 🖉 🖉 🛍
wp.portlet.sitemap.war	JSR 286	6 4 2 6
site-builder.war	JSR 286	B 🗘 🖻 🗊
wp.portlet.createcontent.war	JSR 286	6 2 6
login.war	JSR 168	6 4 2 6
selfcare.war	JSR 168	B 🖉 🖉 🛍
wsrpproxy.war	JSR 286	6 4 2 6
	Page 1 of 8	▶ 🕅 Jump to page:1



12. Click the Install icon to install a Web module. select a Web module to view its portlet applications and portlets. Click Delete to remove the Web module from your portal or click Assign Access to allow others to work with the Web module.

IEM.		JDE	Actions Log Out	 Search Site 	٩
WebSphere Portal					
WebSphere Portal > Portal User Interface Welcome Portal User Interface	> Manage Pages Manage Pages Quies the controls below to work to		h far nagas to work with	Click New to create new page	
Themes and Kins Page Templates Portlet Management Web Modules Applications	Activate and deactivate pages, re-o Help. Search by: Title starts with Select Page My pages Add, Edit, Delete, and I	vin your pages. Browse of searc rder, edit properties and layout, n Search: Reorder pages	n for pages to work with nove, export, assign per	. Unck New to create new page	rs, labels and uns. r more information, click
Web Services					Page 1 of 1
Virtual Web Application Manager	Title	Uni	que name or Identifier	Stat	us
Access Users and Groups Resource Permissions	Content Root	wps	content.root	Acti	ve 🕒 Page 1 of 1
User and Group Permissions					



13. Click Manage Pages.

		JDE A	ctions Log Out 🧿 Searc	ch Site	٩
WebSphere Portal					
WebSphere Portal > Portal User Interface	> Manage Pages				
Welcome Portal User Interface	Manage Pages				□*
Manage Pages Themes and Skins Page Templates Portlet Management Web Modules Applications Portlets	C Use the controls below to work Activate and deactivate pages, re-or- Help. Search by: Title starts with Select Page My pages Add, Edit, Delete, and	with your pages. Browse or search order, edit properties and layout, mo Search: Reorder pages	for pages to work with. Click New to we, export, assign permissions and Search	o create new pages, labels I delete pages. For more in	and uris. formation, click
Web Services					Page 1 of 1
Virtual Web Application Manager	Title	Uniqu	ie name or Identifier	Status	
Access Users and Groups Resource Permissions	Content Root	wps.c	ontent.root	Active	Page 1 of 1
User and Group Permissions					



14. Click the Content Root Hyperlink.

III.		JDE Actions Log Out 🧿	Search Site		٩	
WebSphere Portal						
WebSphere Portal > Portal User Interface >	Manage Pages					
Welcome Portal User Interface • Manage Pages Themes and Skins Page Templates Portlet Management Web Modules Applications Portlets	Manage Pages Use the controls below to work will Activate and deactivate pages, re-ord Help. Search by: Title starts with Select Page > Content Root Pages in Content Root Add, Edit, D * New Page * New Label	ith your pages. Browse or search for pages to work with. Click der, edit properties and layout, move, export, assign permissio Search: Search Velete, and Reorder pages New Page from	New to create n is and delete p	iew pages, labels ages. For more in	s and urls	⊡+ k. n, click
Virtual Web Application Manager					Page 1	of 1
Access	Title	Unique name or Identifier	Status			
Users and Groups	Home	ibm.portal.Home	Active		D.	20
Resource Permissions	Administration	ibm.portal.Administration	Active		D.	20
User and Group Permissions		ibm.portal.page.Applications	Active			
Credential Vault	Search Conter	ibm portal Search	Active		D. Ø	em
Portal Settings		ibm portal Page Customizer	Active			AM
Giobal Settings	Ser 12	ibm portal sharedPages	Activo		5 6	
Supported Markups	Shared Pages	ibm portal HiddenPages	Activo			
Supported Clients	Hidden Pages	ioni,poital.niqueir-ages	Acave	e e		
Import XML					Page 1	OT 1
Portal Content						



15. Click the New Page button.

	JDE
New page: Content Root	
QUse the controls below to work with your pages to specify your page	properties. Expand Options to cho
Title:	
E1Menu	
Unique Name:	
E1Menu	
E1Menu	
Theme:	
Portal Default Theme 🔻 🚱	
lcon:	
I want to make this page my private page	
Aggregation - Render Mode:	
This setting will revert to SSA during runtime if the theme assigned with	the page does not support CSA.
Inherit Parent Render Mode	
Client Side Aggregation - Rendering	
Server Side Aggregation - Rendering	
Type of Page	

Page Cache Options





16. Fill in the Title and a Unique Name fields and then click the OK button.

IEN®		JDE Actions Log Out	Search Site	٩
WebSphere Portal				
WebSphere Portal > Portal User Interface >	Manage Pages			
Welcome Portal User Interface • Manage Pages Themes and Skins Page Templates Portlet Management Web Modules Applications	Manage Pages Use the controls below to work with Activate and deactivate pages, re-order Help. Search by: Title starts with Select Page > Content Root Pages in Content Root Add, Edit, Del	your pages. Browse or search for pages to work with ; edit properties and layout, move, export, assign per Search: Search ete, and Reorder pages	. Click New to create new page missions and delete pages. For	□+ s, labels and uris. r more information, click
Portlets Web Services Virtual Web Application Manager	* New Page * New Label *	New Page from		Page 1 of 1
Access	Title	Unique name or Identifier	Status	Contra#20004-0040000 [
Users and Groups	Star Home	ibm.portal.Home	Active	
Resource Permissions	Contraction (Contraction)	ibm.portal.Administration	Active	
User and Group Permissions	Applications	ibm.portal.page.Applications	Active	
Credential Vault	Search Center	ibm.portal.Search	Active 🔺 🔽 🗎	
Portal Settings Global Settings	Page Customizer	ibm.portal.Page Customizer	Active	
Custom Unique Names	Shared Pages	ibm.portal.sharedPages	Active	
Supported Markups	C Hidden Pages	ibm.portal.HiddenPages	Active	
Supported Clients Import XML	D E1Menu	E1Menu	Active 🔺 🗎	
Portal Content Web Content Libraries				Edit Page Layout

17. Click the Edit Page Layout icon.

Contant Annegrance Locks Wittee	IBN.				i	JDE	Actions	Log Out	0	Search Site	٩
Content Appealance Locks Wiles	Content	Appearance	Locks	Wires							

Q Edit Layout allows you to add, remove and arrange portlets. Modifications occur as you make them. This page is rendered by a layout template, which specifies how the containers will be positioned on the page. The containers displayed below are a flat list of the containers used by the template, so the visual representation may not reflect how or where the content is rendered on the page.

Page title: E1Menu

Show Portlet Rule Mappings

+ Addhportlets
This is a row container. Items added to this container will stack horizontally
+ Add portiets



18. Click the Add Portlets button.

IDM.				JDE	Actions	Log Out	0	Search Site	_	٩
Content	Appearance	Locks	Wires							
EJP/	AE0115I: New portle	ets are added s	uccessfully.							

Q Edit Layout allows you to add, remove and arrange portlets. Modifications occur as you make them. This page is rendered by a layout template, which specifies how the containers will be positioned on the page. The containers displayed below are a flat list of the containers used by the template, so the visual representation may not reflect how or where the content is rendered on the page.

Page title: E1Menu

Show Portlet Rule Mappings

E1Menu_den04jgs.us.oracle.com:8001 🖕	<u> </u>
Add portiets	
+ Add portiets	



19. When you have added the portlets that you need, click the Done button.

		JDE Actions Log Out	Search Site	٩
Co	ntent Appearance Locks	Wires		
Sear	th by: Title starts with ▼ Searc	search		
		Page	1 of 10 🕨 📔 Jump to pag	e: 1
	Portlet Title	Description	Unique name	Remote portlet
	Theme Manager	Portlet to manage all themes with create, edit, import, export and more	wps.p.thememanager	
	Theme Creator	Portlet to create themes within the context of a browser	wps.p.themecreator	
	Edit Theme Properties	Portlet to edit theme properties within the context of a browser	wps.p.themeproperties	
	Federated Documents Picker	Portlet to access and browse enterprise content management systems supporting the CMIS standard	wps.p.FedDocsPicker	
	SiteMap Portlet		wps.p.SiteMapTab	
	Default Link Web Content Viewer	Display Web Content	wps.p.dnd.wcm.link	
	Site Builder		ibm.portal.sitebuilderportlet	-
	Create Content portlet plugin		wps.p.CreateContent	
	E1Menu_den04jgs.us.oracle.com:8001	E1Menu		E1_Menu
	Login	User authentication portlet	wps.p.Login	
		Page	1 of 10 🕨 📔 Jump to pag	e:1

OK Cancel



20. Select the E1 Menu and click OK.

IBN.		JDE Actions Log Out	Search S	ite	٩	
WebSphere Portal						
WebSphere Portal > Portal User Interface >	Manage Pages					
Welcome Portal User Interface • Manage Pages Themes and Skins Page Templates Portlet Management Web Modules Applications Portlets	Manage Pages Use the controls below to work with y Activate and deactivate pages, re-order, Help. Search by: Title starts with Select Page , Content Root Pages in Content Root Add, Edit, Dele New Page New Label	tour pages. Browse or search for pages to work with. edit properties and layout, move, export, assign perr Search: Search te, and Reorder pages New Page from	Click New to cre	eate new pages, lab ete pages. For mor	els and url e informatio	□+ S. on, click
Virtual Web Application Manager					Page 1	of 1
Access	Title	Unique name or Identifier	Status		000000000	
Users and Groups	(ST)Home	ibm.portal.Home	Active		D.	PÒ
Resource Permissions	(Selfadministration	ibm.portal.Administration	Active		D,	20
User and Group Permissions	(SE Applications	ibm.portal.page.Applications	Active			20
Credential Vault	Search Center	ibm.portal.Search	Active		D. (4	
Global Settings	Bage Customizer	ibm.portal.Page Customizer	Active		D.	20
Custom Unique Names	Shared Pages	ibm.portal.sharedPages	Active		D. @	
Supported Markups	Midden Pages	ibm.portal.HiddenPages	Active			
Supported Clients	E1Menu	E1Menu	Active	A B Ø		
Import XML			tanana da Kirinta		Page 1	of 1
Portal Content Web Content Libraries					, ago i	

21. The Manage Pages screen will display.

OFF					~®~
TEN.		JDE Actions Log Out	Search Si	te	Home
WebSphere Portal					
ebSphere Portal > Portal User Interface	> Manage Pages				
lcome					
tal User Interface	Manage Pages				
 Manage Pages 	Q Use the controls below to work w	rith your pages. Browse or search for pages to work with	. Click New to cre	ate new pages, lab	els and urls.
Themes and Skins	Activate and deactivate pages, re-or	der, edit properties and layout, move, export, assign per	missions and dele	ete pages. For more	e information, click
Page Templates	Help.				
tlet Management	Search by: Title starts with	Search: Search			
Web Modules	Select Page > Content Root				
Applications	Pages in Content Root Add Edit	Delete and Reorder names			
Portlets	Now Page * New Label	Now Base from			
Web Services	IN New Fage	AN New Fage Ion			
Virtual Web Application Manager					Page 1 of 1
ess	Title	Unique name or Identifier	Status		
Users and Groups	Mome	ibm.portal.Home	Active		L 20
Resource Permissions		ibm.portal.Administration	Active		
User and Group Permissions		ibm portal page Applications	Active		
Credential Vault		iter sold Oceant			
tal Settings	Search Center	ibm.portal.Search	Active		
Global Settings	Customizer	ibm.portal.Page Customizer	Active		
Custom Unique Names	Shared Pages	ibm.portal.sharedPages	Active		L 🛛 🔎 🛙
Supported Markups	Hidden Pages	ibm.portal.HiddenPages	Active		L 🛛 🖻 🕻
Supported Clients	Distance.	E1Menu	Active		
Import XML	L'E Timenu				ی لیے سے سے د
al Content					Page 1 of 1



22. Select E1 Menu from the dropdown menu in the upper right area of the toolbar.

⊕	Published Site 🔻	Edit Mode:	OFF									
			Ī	TM.								
					•	~	Ø	*	21	R		
					<u> </u>	-	<u>ب</u>	~	=0	¥		_
				*							 	

23. The E1 Menu icons will display.

This completes the successful registration of the WSRP Producer.





3 Using the Migration Wizard

Using the Migration Wizard

Note: This chapter replaces content from previous guides related to:

- Working with the properties file for the Oracle, DB2 for i, and SQL Server 200x databases
- Transferring WebSphere Portal and Java Content Repository Databases to DB2 for i
- Configuring IBM WebSphere Portal Server v8.5 to use SQL Server 200x Database



Using the Migration Wizard

To use the Migration Wizard:

1. On the Manage server state tab, select IBM WebSphere | IBM WebSphere Portal Server V8.5 | First Steps to launch the Portal Server First Steps application.





2. Select the Configure and deploy IBM WebSphere Portal Server hyperlink.

Welcome	Configure and deploy IBM WebSphere Portal
Configure IBM WebSphere Portal Online Resources Exit	The Configuration Wizard is a web-based tool that helps you configure IBM WebSphere Portal more efficiently and reliably. Instead of manually modifying properties files to configure IBM WebSphere Portal, you can use the Configuration Wizard to accomplish commo configuration tasks, such as configuring IBM WebSphere Portal and a production-level database, LDAP server integration, and more Configuration Wizard
	You can access the Configuration Wizard at any time at this URL: http://localhost:10200/ibm/wizard

3. Select the Open Configuration Wizard hyperlink.
4. Select IBM WebSphere | Start the server.

File Edit View Higtory Bookmarks Tools Help	2
Solution	6
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Log in with the Configuration Wizard administrator credentials User ID: Browse and run installed applications Log in	
Browse and run installed applications Log in	
Log in	
	6

5. Enter User ID and Password to login.

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📣 🤹 Appli	Configuration Wizard Complete essential configuration tasks with less reading and time spent editing properties files. Repeat common configuration tasks on different servers by using wizard selection saved from another session as a starting point for a new session. Learn More	is
	Set Up a Stand-alone Server Set up a stand-alone server environment to use for development, demonstrations, and small production sites. For guidance, see Roadmaps for stand-alone servers and select the roadmap that best matches your needs.	
	Set Up a Cluster Set up either a dynamic or static cluster to use for production sites. For guidance, see Roadmaps for clusters.	
	Add On New Capability Install and deploy a new capability or remove an add-on.	
	Migrate to a New Version Migrate either a stand-alone server or cluster to a new version. For guidance, see Roadmaps for migration and select the roadmap that best matches your	
8	needs.	
10:04 PM	More Options Select from utilities such as removing a portal profile and more.	
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6. Select Set Up a Stand-alone Server.

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A	Set Up a Stand-alone Server	
0	Set up a stand-alone server environment to use for development, demonstrations, and small production sites. For guidance, see Roadmaps for stand-alone server roadmap that best matches your needs. Learn More	ers and select the
	Database Transfer Select this option to transfer data from Apache Derby to any of the database types that are supported by WebSphere Portal.	
	Enable Federated Security Add an LDAP user registry to the default federated repository to store user account information for authorization.	
	Modify Site URLs for Search Engine Optimization Change or remove /wps/portal (context root and default home values) to create shorter, human-readable URLs. Select an option to remove navigational state information from site URLs. For example, you can change the URL as follows: Original URL: http://www.example.com:port/wps/portal/products/[lut/p/encoded_portal_suffix]	
	Modified URL: http://www.example.com: <i>port/</i> products/	
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7. Select Database Transfer.

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Database Transfer	
1 Answer Questions In progress	2 ^{Customize Values} 3 ^{Configure}
Answer questions about your environment so that the with the instruction and script files to run later. If you saved you Upload Saved Selections System Information Database Setup	zard can determine which fields you must complete. Then, you can run the configuration, save your settings, or download ur settings from a previous session, you can upload the settings now. Learn More Database Users
Target operating system:	Linux 🗧
Target portal profile name:	wp_profile Example: wp_profile
Target portal profile home dir	ectory: /opt/IBM/WebSphere/wp_profile
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8. Answer the questions for Database Transfer.

9	WebSphere Config	juratio	on Wizard - Mozilla Firefox			×
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Database Tra	nsfer					
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9. Scroll down for more questions.

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D	o you want the wizard to create your databases:	۲	Yes, create my databases for me	۲		
		0	No, generate scripts for me that I can use to create the databases			
D	Do you want the wizard to create schemas and		Yes, create schemas and assign appropriate	0		
a	ssign permissions to users:	0	permissions No, generate scripts that I can use to create schema and assign permissions	as		
D	o you need advanced database collation	0	Yes, provide manual collation instructions	•		
S	upport:	۲	No, advanced collation support is not needed			
(F	For DB2 PureScale only): Do you want to enable	0	Yes	۲		
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		0	No			
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10. Scroll down for more questions.

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11. Click the right arrow when finished to proceed.

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Database Transfer			
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Database Connection System Information	Database Information		database domain. It must
*Database name:	WPSDB Example: WPSDB	@_<	requirements. This property that is combined with the properties schema
*Host name:	yourhost.yourco.com		name and JDBC database
	Example: yourhost.yourco.com		the portal database
*Port number:	0000 Example: 50000	0	community, customization,
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12. Enter the database connection information.

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13. Enter the administrative ID and password.

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		WPSDB:returnAlias=0;	
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14. Enter the database connection parameters.

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15. Scroll down for more parameters.

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	Download Wizard Selections	Download your selections in case you need to run the configuration again to set up another server. Learn More	n. You can also use your selections as a starting point
	Download Configuration Scripts	If you plan to run scripts to set up the configuration instead of running the the scripts. The archive is named WorkflowInstanceScriptsAll.zip. Learn I	steps from the wizard, then download an archive of More
	Click Start Configuration to begin. When the wizard configuration. If you leave the page or lose your con	reaches a manual step, it pauses the process until you can complete the r rection, the configuration continues to run. Log back in to return to a configu	manual step. You cannot cancel a running ration that is in progress. Learn More
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16. Configure the Database Transfer by clicking the Start Configuration button.

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Click Start Configuration Click Start Configuration Start Configuration Step 1	ion to begin. When the wi ave the page or lose your m Reset Steps Task Manual Step: Create th Instructions for Step 1	izard reaches a manual step, connection, the configuration	, it pauses the process until you c continues to run. Log back in to r s	an complete the manual s eturn to a configuration tha	tep. You cannot cancel a ru t is in progress. Learn Mo State Not S	unning re us Started



17. Click OK to confirm that you are ready to start the configuration.

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1	Manual Step: Create the database users and groups. Instructions for Step 1	Pending
2	Mark Step Complete Back up the properties files that the wizard uses during the configuration. View Step Command	Not Started
3	Run Step Skip Step Create your databases. View Step Command	Not Started
4	Run Step Skip Step Paused X Set up your data View Step Com	Not Started
5	Run Step Skip Configuration paused. You must complete "Manual Step: Create the database users and groups." to continue. Stop the portal se View Step Comt View Step Comt After you complete the step, click Mark Step Complete to continue with the configuration.	Not Started
6	Manual Step: Re Instructions for S	Not Started
7	Mark Step Complete Validate the database connection and environment. View Step Command	Not Started
	Run Step Skip Step	
8	Transfer the database. View Step Command	Not Started
Q	Grant privilenes to the database runtime users	Not Started

18. The configuration will pause with a notice to complete manual steps. Click OK.

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ı	🔒 https://localhost:10202/ibm/wizard/Wizard/default/ver=2.0/rparam=currentstage=2/rpara 🖞 🔻 🊱 🚺 🖉 Google 🔹 🔯
	1 Manual Step: Create the database users and groups. Pending
	Instructions for Step 1
	Create the database configuration users for the database domains on the operating system.
	Create the release database configuration user. Use dsrdbm01 as the user ID when you create this user.
	• Create the community database configuration user. Use dsrdbm01 as the user ID when you create this user.
	• Create the customization database configuration user. Use dsrdbm01 as the user ID when you create this user.
	 Create the 1 Cr database configuration user Use dsrdbm01 as the user ID when you create this user
	Create the Teedback database configuration user. Use dSrdbm01 as the user ID when you create this user.
	Create the likeminds database configuration user. Use dsrdbm01 as the user ID when you create this user.
	Create the database configuration groups for the database domains on the operating system where your database is installed. See your operating system
	instructions for details on creating groups.
	Create the release database configuration group. Use WP_BASE_CONFIG_USERS as the group name on your operating system.
	Create the community database configuration group. Use WP_BASE_CONFIG_USERS as the group name on your operating system.
	• Create the customization database configuration group. Use WP_BASE_CONFIG_USERS as the group name on your operating system.
	• Create the icr database configuration group. Use WP JCR CONFIG USERS as the group name on your operating system.
	Create the feedback database configuration group Lise WP_P7N_CONFIG_LISEPS as the group name on your operating system
	• Create the recuback database configuration group. Ose in _1 2h_confi 10_052k5 as the group hame on your operating system.
	 Create the likeminds database configuration group. Use WP_PZN_CONFIG_USERS as the group name on your operating system.
	Assign your database configuration users to the database configuration groups that you created. See your operating system instructions for details on adding
	users to groups.
	Create the database runtime users for the database domains on the operating system.

19. A list of instructions will appear for creating the database users and groups.

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	1	Manual Step: Create the database users and groups.	🧭 Complete
		Instructions for Step 1	•
		Mark Step Complete	1.7 S
	2	Back up the properties files that the wizard uses during the configuration. View Step Command	Running
		Run Step Skip Step	View Progress
	3	Create your databases	Not Started
		View Step Command	
		Run Step Skip Step	
	4	Set up your database.	Not Started
		View Step Command	
		Run Step Skip Step	
	5	Stop the portal server.	Not Started
		View Step Command	
		Run Step Skip Step	
	6	Manual Step: Restart the DB2 server.	Not Started
		Instructions for Step 6	
		Mark Step Complete	
	7	Validate the database connection and environment.	Not Started
		View Step Command	
		Run Step Skip Step	
	8	Transfer the database.	Not Started
		View Step Command	
		Run Step Skip Step	

20. When the instructions have been completed the step will be marked Complete and the automated part of the configuration process start again.

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-	2 Back up the properties files that the wizard uses during the configuration.	🙆 Complete	3
	View Log - Step 3		х
	action-set-root-path-property:		
	[echo] WpsContextRootPath set to: /wps		
	[antcall] executing target: action-set-vp-properties		
		R	-
	action-set-vp-properties		
	[echo] setting vp properties		
	[echo] theVPContext set to: /wps/config		
	[echo] theVPHostname set to: localhost		
			20
	set-properties:		
	[setproperty] Property PortalAdminId was set to JDE		
	[setproperty] Property PortalAdminGroupId was set to wpsadmins		
	[setproperty] Property WpsDocReviewer was set to \${WpsDocReviewer}		
	[setproperty] Property WpsContentAdministrators was set to \${WpsContentAdministrators}		
	[setproperty] Property UserSuffix was set to \${LDAPUserSuffix}.\${LDAPSuffix}		
	[setproperty] Property GroupSuffix was set to \${LDAPGroupSuffix}.\${LDAPSuffix}		
	action-pre-config:		
	[echo] executing pre-configuration tasks		
	[isWas7] overwriting previous definition of property: null		
	[isWas7] +++value of property is 8.5.5.8		
	[antcall] executing target: action-set-config		2
	action-set-config:		
	[echo] executing set-configuration tasks		
	[echo] contains		
	[setRASTrace] No spec specified, no log will be created		
	Construction of the Constr		
	create-database:		-



21. A View Log will appear.

B	VebSph	ere Configuration Wizard - Mozilla Firefox	
yste	<u>File Edit View History B</u> ookmarks <u>T</u> ools <u>H</u> elp		
	🏧 WebSphere Configuration 🛛 🗙 👫 IBM Knowledg	e Center 🛛 🗙 🚹 Problem loading page	× 🔂 Oracle Beehive Central 🛛 🗴 🕀
aces	La https://localhost:10202/ibm/wizard/Wizard/de	efault/ver=2.0/rparam=currentstage=3/rpara 🖞 🔻 🍫	🛽 🕙 🗸 🚱
9			·
tions			JDE Log Out
Applicat	Home > Set Up a Stand-alone Server > Database Transfer		
*	Database Transfer		
0	1 Answer Questions ⊘ Complete	Customize Values 3 Co	onfigure
-	Database Connection System Information	Database Information	
	782 178		
	*Database name:	WPSDB	(2)
		Example: WPSDB	
	*Host name:	dnptix110.us.oracle.com	to 60000. The host might be
		Example: yourhost.yourco.com	temporarily offline, or there
	*Port number:	3737	might be a firewall or
		Example: 50000	the host name and port
			number are correct for the
			Intended target system.
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S	📁 Hie Man 🛛 📟 Terminal 😯 IBM Secu 😯	Manage 🛛 🥶 file:// - IB 🛛 😻 WebSph 📝 [*U	nsav 👔 😰 [User Ma] 💆 👘 🗑



22. The Database Transfer screen will appear with any information that needs to be corrected.

E	8	WebS	phere Config	uration Wizard - Mozilla Fire	fox		ĺ	_ 🗆 🗙
yste	<u>File E</u> dit <u>V</u> iew Hi <u>s</u> to	ry <u>B</u> ookmarks <u>T</u> ools <u>H</u> elj	p					
^	18M WebSphere Configur	ration 🗙 👫 IBM Knowle	edge Center	🗙 👍 Problem loading page	e × (🗟 Oracle Beehive (Central	×
aces	https://localho	ost:10202/ibm/wizard/Wizard	d/default/ver=2	.0/rparam=currentstage=3/rpara	े र % । [8]	▼ Google		J 🏫
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App	Home > Set Up a Stand-a	alone Server > Database Transfe	ſ					
	Database Trans	sfer						
								<u> </u>
	Answer Questi	ons	9 Customi	ze Values	🕤 Config	ure		
	🔔 🧭 Complete		L In progress		3			-
7	12.2 12 N	121 . 102 . D	120.14	1012 - 12				
-	Database Connection	n System Information	Databas	se Information				
							Advanced	
		*Data source:		wpdbDS		(?)		
	1					Port num	ber: Cannot con	nect
		*Database URL:		db2://dnptlx110.us.oracle.com:3737/W	PSDB:returnAlias	s=0; to 60000.	The host might	be
				Example: jdbc:db2://Your_Database_S	erver:50000		a firewall or	re
		*Configuration user ID:		/WPSDB:returnAlias=0;	- h	connectiv	vity issue. Verify	that
		Comparation user ib.			10	the host r	name and port	
				3		intended	are correct for the target system	e
		*Configuration password:					in ger by sterrin	
		*Re-enter the password		•••••				
N N								
2:02		*Database administrator ID:		dsrdbm01		0		
				[
			A		1000			
8	📁 File Man 🖾 Te	erminal 😯 IBM Secu	🌍 Manage	🛛 👿 file:// - IB	[*Unsav	🛛 🕡 [User Ma] 🥑	

23. Correct the information to proceed.

9		100 100 000 000 000	WebSphere Configure	tion Wizard - Mozilla Firefox		
File	<u>E</u> dit <u>V</u> iew	History Bookmark	s <u>T</u> ools <u>H</u> elp	X-		
	VebSphere Co	onfiguration ×	🔆 IBM Knowledge Center	× 🛯 📥 Problem loading page	× 🔂 Oracle Bee	hive Central X
	🔒 https://lo	ocalhost:10202/ibm/	wizard/Wizard/default/ver=2.0/r	oaram=currentstage=2/rpara 🖧 🔻	🍫 🔠 🔻 Google	Q 🚽
		Hen blop oonin	perif Ge			
		Run Step Skip S	tep			View Result
	5	Stop the portal se	2 300		~	🕝 Complete
		View Step Com	Complete		<u> </u>	
		Run Step Skip	_			View Result
	6	Manual Step: Re	Configuration completed succ	essfully.		👩 Complete
		Instructions for S				
		Mark Step Comp				
	7	Validate the data	Next Steps			Complete
		View Step Com	 You transferred your data from 	m Apache Derby to your preferred database	9:	
		Run Step Skip	One quick way to test your d	atabase configuration is to log in and explor	re	View Result
	8	Transfer the data	Go to http://bost_pame.port/s	working as you expected.		🕝 Complete
		View Step Com	example, go to http://host_na	me:10039/wps/portal.		
		Run Step Skip	Next, you can use other optio	ns to configure your environment more. Fo	r	View Result
	9	Grant privileges	example, you can modify the	JCR schema to support High Availability		Complete
		View Step Com	Disaster Recovery (HADR) a	na romorwara recovery.	n	
		Run Step Skip	Enable Federated Security o	ation e server environment, you can use the ption to add an LDAP user registry.		View Result
	10	Configure the JC	If you are setting up a cluster	environment, you can use the Create a		🙆 Complete
		View Step Comi	Deployment Manager option	to create a deployment manager profile the	at	
		Run Step Skip	is augmented with WebSphe	re Portai resources.		View Result
	11	Start the portal se				Complete
		View Step Com			nished	
		Run Step Skip		•		View Result
		a consector representation - 1999-1994				
				Finished		



24. When the configuration has completed successfully, a confirmation screen will appear.

WebSphere Configuration Wizard - File Edit View History Bookmarks Tools Help WebSphere Configuration Wizard Image: WebSphere Configuration Wizard	Mozilla Firefox			×
Ele Edit View History Bookmarks Tools Help				
WebSphere Configuration Wizard				
https://localhost:10202/ibm/wizard/Wizard				
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			JDE Log Out	
Configuration Wizard				
Complete essential configuration tasks with less reading and time spent editing properties files. Repe saved from another session as a starting point for a new session. Learn More	at common configuration tas	ks on different servers by usin	g wizard selections	
Set Up a Stand Bione Server Set up a stand-alone server environment to use for development, demonstrations, and small produ servers and select the roadmap that best matches your needs.	ction sites. For guidance, se	e Roadmaps for stand-alone		Ш
Set Up a Cluster Set up either a dynamic or static cluster to use for production sites. For guidance, see Roadmaps for	r clusters.			
Add On New Capability Install and deploy a new capability or remove an add-on.				
Migrate to a New Version Migrate either a stand-alone server or cluster to a new version. For guidance, see Roadmaps for m needs.	igration and select the road	nap that best matches your		
More Options Select from utilities such as removing a portal profile and more.	WohSphere Co	nfiguration Wizard - M		•
	 https://localhost:10202/ibm/wizard/Wizard Configuration Wizard Complete essential configuration tasks with less reading and time spent editing properties files. Repersaved from another session as a starting point for a new session. Learn More Set Up a Stand alone Server Set up a stand-alone server environment to use for development, demonstrations, and small produce servers and select the roadmap that best matches your needs. Set Up a Cluster Set up either a dynamic or static cluster to use for production sites. For guidance, see Roadmaps for Add On New Capability Install and deploy a new capability or remove an add-on. Migrate to a New Version Migrate either a stand-alone server or cluster to a new version. For guidance, see Roadmaps for m needs. Setext or a stand-alone server or cluster to a new version. For guidance, see Roadmaps for m needs. 	 A https://localhost.10202/ibm/wizard/Wizard Configuration Wizard Configuration Wizard Complete essential configuration tasks with less reading and time spent editing properties files. Repeat common configuration tas saved from another session as a starting point for a new session. Learn More Set Up a Stand-solone Server Set up a stand-alone server environment to use for development, demonstrations, and small production sites. For guidance, see servers and select the roadmap that best matches your needs. Set Up a Cluster Set up either a dynamic or static cluster to use for production sites. For guidance, see Roadmaps for clusters. Add On New Capability Install and deploy a new capability or remove an add-on. Migrate to a New Version Migrate either a stand-alone server or cluster to a new version. For guidance, see Roadmaps for migration and select the roadmap and end. More Options Select from utilities such as removing a portal profile and more. root@dnptix110:/opt/BM/WebSphere/] for file:// - IBM WebSphere Portal First Ste] VebSphere Common Section Sect	 A https://localhost:10202/lbm/wizard/Wizard A sogle Configuration Wizard Set Up a Stand-solore Server Set up a stand-alone Server environment to use for development, demonstrations, and small production sites. For guidance, see Roadmaps for stand-alone servers and select the roadmap that best matches your needs. Set Up a Cluster Set up either a dynamic or static cluster to use for production sites. For guidance, see Roadmaps for clusters: Add On New Capability Install and deploy a new capability or remove an add-on. Migrate to a New Version Migrate to a New Version Migrate either a stand-alone server or cluster to a new version. For guidance, see Roadmaps for migration and select the roadmap that best matches your needs. More Options Seted from utilities such as removing a portal profile and more. moto@ doptix110'./opt/lBM/WebSphere/ Migrate 'file.'/ - 1BM WebSphere Portal First Ste WebSphere Configuration Wizard - M 	 https://localhost 10202/lom/wi/zard/Wi/zard https://localhost 10202/lom/wi/zard/Wi/zard https://localhost 10202/lom/wi/zard/Wi/zard https://localhost 10202/lom/wi/zard/Wi/zard https://localhost 10202/lom/wi/zard/Wi/zard/Wi/zard https://localhost 10202/lom/wi/zard/Wi/zard/Wi/zard https://localhost 10202/lom/wi/zard/Wi/zard/Wi/zard https://localhost 10202/lom/wi/zard/Wi/zard/Wi/zard https://localhost 10202/lom/wi/zard/W



25. Select Set Up a Stand-alone Server.

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WebSphere Configuration Wizard	
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JDE JDE	Log Out
	ļ
Home > Set Up a Stand-alone Server	
Set Up a Stand-alone Server	
Set up a stand-alone server environment to use for development, demonstrations, and small production sites. For guidance, see Roadmaps for stand-alone servers and se	elect the
roadmap that best matches your needs. Learn More	
Detabase Transfer	
Select this ontion to transfer data from Apache Derby to any of the database types that are supported by WebSphere Portal	
Enable Federated Security	
Add an LDAP user registry to the default federated repository to store user account information for authorization.	
Modify Site URLs for Search Engine Optimization	
Change or remove /wps/portal (context root and default home values) to create shorter, human-readable URLs. Select an option to remove navigational state	
Original URL:	
http://www.example.com; <i>port/</i> wps/portal/products/[!ut/p/encoded_portal_suffix]	
Modified URL:	
http://www.example.com:port/products/	
Σ	
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😻 🛯 root@dnptlx110:/opt/IBM/WebSphere/ 😻 file:// - IBM WebSphere Portal First Ste 😻 WebSphere Configuration Wizard - M 😻	9

26. Select Enable Federated Security.

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E	2		Web	Sphere Configuration	on Wizard - Mozilla	Firefox		
syste	ji <mark>e <u>E</u>dit <u>V</u>iew Hi<u>s</u></mark>	tory <u>B</u> ookmarks	Tools He	elp				
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lace	https://loca	lhost:10202/ibm/v	vizard/Wiza	ard/default/ver=2.0/rpa	ram=currentPage=com	n.ibm 🚊 🔻 🍫 🚺	 Google 	🍙 🕹 🖾
lications P	TBM.	1 - Jan - Composition - Com		of Sources				JDE Log Out
App	Home > Set Up a Stan	d-alone Server > En	able Federate	ed Security				
*	Enable Feder	ated Security						
0	Answer Que	stions		2 Customize Val	ues	3 Configu	ire	
	In progress					0		
	Answer questions about the instruction and scrip Upload Saved Selection System Information	t your environment si at files to run later. If y ctimes on Securit	o that the wiza ou saved your y Settings	ard can determine which fie r settings from a previous se	lds you must complete. The ession, you can upload the s	en, you can run the confi iettings now. Learn More	guration, save you	r settings, or download
		(i)						~
		Target operating	system:	Winde	ows		\$	
		Target portal prof	ile name:	wp_pr	ofile			
				Exam	ple: wp_profile			
8		Target portal prof	ile home dire	ctory: /opt/IB	M/WebSphere/wp_profile			
3:57 PM								
sta 1	ttps://localhost:1020)2/ibm/wizard/Wiz	ard/default	/ver=2.0/rparam=curre	ey/rparam=previousF	Page=com.ibm.wplc	.config.wizard.p	anels.ActivityPanel#
1	soot@dnptlx110	:/opt/IBM/WebSph	ere/ 🧕	file:// - IBM WebSphere	Portal First Ste 😻 🛚	WebSphere Configu	ation Wizard - M	4 😻 👘

27. Click on the Upload Saved Selections hyperlink.

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E	8	WebSphere Conf	igurat	ion Wizard - Mozilla Firefox		
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S	WebSphere Config	uration Wizard 🗣				
aces	https://localh	host:10202/ibm/wizard/Wizard/default/ver=	=2.0/rp	aram=currentPage=com.ibn 🖞 🔻 🍫 Goo	gle	0 4 6
Ы					-Eu-	
plications	1 Answer Ques In progress	tions 2 ^{Custor}	nize Va	lues 3 Configure		
Answer questions about your environment so that the wizard can determine which fields you must complete. Then, you can run the configuration, save your settings, or do the instruction and script files to run later. If you saved your settings from a previous session, you can upload the settings now. Learn More Upload Saved Selections						
	System Informatio	on Security Settings				
		User registry software:	IBM	Directory Server	٢	
		Do you need SSL between the portal server and	0	Yes, enable SSL	۲	
		ule user registry.	۲	No, do not enable SSL		
		Can portal update entries in your LDAP user	0	Yes, portal can create, update, and delete entries		
	<	registry.	۲	No, portal cannot modify entries		
		Use Administrator IDs stored in your LDAP user	٢	Yes, update the IDs using the new LDAP user registry	۲	6
8 PM		теўныў.	0	No, continue using the IDs from the existing user registry		
3:5		Validate LDAP user registry entries:	۲	Yes	۲	
20			0	No		
•		И		11		



28. Answer the Security Settings questions.

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syste	<u>File Edit View Histor</u>	y <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp		Â
s	WebSphere Configura	ation Wizard		
Place	https://localho	st:10202/ibm/wizard/Wizard/default/ver=.	2.0/rparam=navigationFrom=com	🔹 🚱 🗸 Google 💽 🐇 🥤
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Appli	Home > Set Up a Stand-al	one Server > Enable Federated Security		
춫	Enable Federate	ed Security		
0		Custom	iza Values	Configure
	Complete	2 in progress	s International States	3 compare
	Existing Administra	tor Information User Registry Informa	tion User Registry Credentials	Detailed User Registry Information
		*WebSphere Application Server administrator	JDE	⊘ ⊨
	1	IDE	<u>.</u>	
	5	*WebSphere Application Server administrator password:		- + /
		*Re-enter the password		
		*WebSphere Portal administrator ID:	JDE	•
		*WahSphere Dortal administrator password:	(
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MH 69		*Re-enter the password	······	
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29. Enter the values for Existing Administrator Information.

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Home > Set Up a Stand-alone Server > Enable Federated Security								
Enable Federated Security								
Answer Questions Complete 2 Customize Values In progress 3 Configure								
Existing Administrator Information User Registry Information User Registry Credentials Detailed User Registry Information								
*LDAP Repository ID: Example: myldapid								
*LDAP host name:	=							
Example: yourhostyourco.com								
*LDAP port: 389 ()								
2 PM								
4:0								
WebSphere Config 🕲 rv2 - File Browser Copying files	+							

30. Enter the values for User Registry Information.

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yste	<u>F</u> ile	<u>E</u> dit <u>V</u> ie	ew Hi <u>s</u> t	ory <u>B</u> o	okmarks	Tools	<u>H</u> elp							
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		Existing	Administ	trator Info	ormation		User Registry	Information	User Regis	try Credentials	Detailed	User Registry	y Informatio	on
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0				*Bin	d DN:			uid=v	psbind,cn=users,c	dc=denver,dc=ora	cle,dc=com			
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31. Enter the values for User Registry Information.

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File Edit View History Bookmarks Tools Help							
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cations						JDE Log Out	
Home > Set U	Jp a Stand-alone Server > Enable	Federated Security					
	cucrated Security						
	or Questions	Cust	omizo Valuoc		Configure		
	nplete		gress	3			
E							
Existing	Administrator Information	User Registry Info	rmation	User Registry Credentials	Detailed Use		
						Advanced	
			-	A			
	Base DN:		dc=denve	r,dc=oracle,dc=com		•	
			Example:	dc=yourco,dc=com			
	*Administrator grou	p DN from LDAP:	cn=wpsad	mins,cn=groups,dc=denver,dc=o	racle,dc=com	3	
			Example:	cn=myNewAdminGroup,cn=grou	ps.dc=yourco.dc=		
	*Administrator DN I	rom LDAP:	uid=wpsa	dmin,cn=users,dc=denver,dc=ora	icle.dc=com	3	
			Example:	uid=myNewAdmin.cn=users.dc=	yourco,dc=com	-	
	*Administrator pass	word from LDAP:			1	Type the password for the	
			[the user registry.	
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€] 8	15 M	10.12	10.005		10.000		
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32. Enter the values for Detailed User Registry Information.



33. Click on the Start Configuration button.

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JDE Log Out						
Enable Federated Security						
Answer Questions 2 Customize Values 3 Configure Image: Complete 2 O Complete 3 In progress						
Optional						
Downlog Start Configuration ing point You selected to automatically run the configuration steps. The configuration will stop only when it gets to a manual step. Are you ready to start the configuration? Ing point						
Downloa Downloa Cancel hive of						
Click Start Configuration to begin. When the wizard reaches a manual step, it pauses the process until you can complete the manual step. You cannot cancel a running configuration. If you leave the page or lose your connection, the configuration continues to run. Log back in to return to a configuration that is in progress. Learn More						
Start Configuration Reset Steps						
Step Task Status						
1 Create a backup of the WebSphere Portal profile before modifying the cell security. Not Started View Step Command Not Started Run Step Skip Step Run Step Skip Step						
Image: Second						

34. Click OK to confirm that you are ready to start the configuration.





35. The configuration steps and status will appear at the bottom of the screen.

V2 d	inptlx110.us.oracle.o	com:1 (root) - VNC Viewer	
E	6	WebSphere Configuration Wizard - Mozilla Firefox	
yste	<u>File Edit Viev</u>	v Hi <u>s</u> tory <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp	
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ace	🖨 https:	//localhost:10202/ibm/wizard/Wizard/default/ver=2.0/rparam=currentstage=2/rpara 🎧 🔻 🍫 🚺 🗸 Google	🍙 🚽 🖻
ons Pl		LDAP server. View Step Command	
icati		Run Step Skip Step	View Result
Appl	6	Update the user registry where new users and groups are stored. View Step Command	😨 Complete
å		Run Step Skip Step	View Result
0	7	Recycle the servers after a security change. View Step Command	🖉 Complete
		Run Step Skin Paused	View Result
	8	Update the search View Step Com	🖉 Complete
		Run Step Skip Configuration paused. You must complete "Manual Step: Map attributes to ensure proper communication between WebSphere Portal and the LDAP server." to	View Result
	9	After you change continue. View Step Comr After you complete the step, click Mark Step Complete to continue with the	🧭 Complete
		Run Step Skip	View Result
	10	Verify that all def View Step Com	🖉 Complete
		Run Step Skip Step	View Result
	ш	Manual Step: Map attributes to ensure proper communication between WebSphere Portal and the LDAP server. Instructions for Step 11	Pending
-		Mark Step Complete	=
🖏 5:49 PM 💧		Cancel	-
1	🔲 root	🧶 file://] 😻 Web] 🧐 IBM] 🧒 bin] 😋 V6.3] 🖾 root] 🥎 u01] 🍞 Portal] 🛟 IBI	M S

36. The configuration will pause with a notice to complete manual steps. Click OK.

Once the manual steps are completed and all steps have been marked complete, you will receive a screen a final screen indicating that the installation has finished.

4 Database Configuration for WebSphere Portal

Database Configuration for WebSphere Portal

This chapter discusses the database configuration for the Websphere portal.

By default, IBM WebSphere Portal v8.5 installs and uses an Apache Derby database. Installing with Apache Derby lets you quickly get WebSphere Portal installed and running in a proof-of-concept environment. Before using the product extensively, you should visit the IBM Information Center for Portal v8.5 to learn the advantages and disadvantages of using Apache Derby and determine how transferring to another database affects the capacity and scalability of a production environment. Please refer to the following link from IBM: https://www-304.ibm.com/support/docview.wss?uid=swg27019558#Databases_C-worksWith

The Apache Derby database that is installed by default is not intended for use in a production environment or for authoring Web content. Derby does not support clustered environments, enabling security in a database-only mode, or vertical cloned environments in which multiple application servers are configured on a single server. Use one of the other supported databases in a production environment or when authoring Web content because they are better able to handle large amounts of data and can be tuned for performance.

When you choose to transfer data to another supported database such as Oracle or SQL Server or *DB2 for Linux, UNIX, and Windows database* or *DB2 for i*, perform the database transfer before you use the portal extensively. Large amounts of data in the databases can cause the database transfer to fail if your Java heap size is not large enough. Because information is added to the databases as you use the Portal, perform the database transfer as soon as it is practical to avoid problems in a production environment.

Data can be transferred from a Derby database, but cannot be transferred to a Derby database. If you are transferring from a database other than the default database, you will need to edit the wkplc.properties, wkplc_dbdomain.properties and wkplc_dbtype.properties files to update the source and target database information.

You can install the database server on the same system as WebSphere Portal, or you can install the database server on a different, also referred to as a remote system.

Using a remote database can have performance benefits. When you are deploying a large scale environment, you can dedicate a server specifically to your database. As more users are accessing the portal, the portal application becomes database intensive. Database activity can take up CPU utilization and disk I/O time. You can increase capacity by separating the database from the server that the Portal is running on increases capacity.

If you install the database server on a remote system, you may be required to install database client software on the WebSphere Portal system so the Portal can communicate with the remote database server.

Documentation in this section is taken directly from the IBM WebSphere Portal v8.5 Infocenter.




5 Configuring IBM WebSphere Portal Server v8.5 to use Oracle Database

Configuring IBM WebSphere Portal Server v8.5 to use Oracle Database

This chapter discusses configuring the IBM Websphere Portal Server v8.5 to use the Oracle database.

Before You Begin

Before beginning the database configuration, verify that a supported version of Oracle Database software is installed. Refer to the Minimum Technical Requirements for this information. In addition, we strongly recommend you visit the IBM WebSphere Portal Version v8.5 Information Center and review the "Configuring WebSphere Portal to use a database" section: http://www-10.lotus.com/ldd/portalwiki.nsf/dx/Windows_standalone_Configuring_WebSphere_Portal_to_use_a_database_wp7.

For advanced configurations, refer to the IBM WebSphere Portal Version v8.5 Information Center.



Creating the Oracle Database for IBM WebSphere Portal Server v8.5

1. Launch Database Configuration Assistant (dbca), click Next:

Database Configuration Assis	stant : Welcome 📃 🗆 🗙
	Welcome to Database Configuration Assistant for Oracle database. The Database Configuration Assistant enables you to create a database, configure database options in an existing database, delete a database, and manage database templates.
Cancel Help	S Back Next S

2. Select create database, click next:

Database Configuration Assist	ant, Step 1 of 15 : Operations		_ 🗆 🗵
	Select the operation that you want to perform: © Create a Database © Configure Database Options © Delete a Database © Manage Templates © Configure Automatic Storage Management		
Cancel Help		🕜 Back Next 📎	



- 🗆 🗵

3. Select General Purpose or Transaction Processing, click next:

Database Configuration Assistant, Step 2 of 15 : Database Templates





4. Provide the SID, click next:

📕 Database Configuration Assist	stant, Step 3 of 15 : Database Identification 📃 🗖 💈
	An Oracle database is uniquely identified by a Global Database Name, typically of the form "name.domain". Global Database Name: wpsdb A database is referenced by at least one Oracle instance which is uniquely identified from any other instance on this computer by an Oracle System Identifier (SID). SID: wpsdb
Cancel Help	



5. Select Configure with EnterpriseManager, click next:

Database Configuration As	sistant, Step 4 of 15 : Management Opti	ions	
	🔽 Configure Enterprise Manager		
	C Register with Grid Control fo	r centralized management	
	Management Service	No Agents Found	
	Configure Database Control	for local management	
	Enable Alert Notifications	2	
Norschaften im Weinschaften im	Outgoing Mail (SMTP) Serve	r:	
Magnitighteening of	Recipient Email Address:		
March Statement	🗆 Enable Daily Disk Backup t	o Recovery Area	
Avarization Avarization Avarization Manazizationenenenenenenenenenenenenenenenenenene	Backup Start Time:	02 🔹 00 🛋 🖲 AM 🔿 PM	
Multication and Multication	OS Username:		
Manufaction and Manufacture and Ma	OS Password:		
Cancel Help)	🔇 Back Next 📎	



6. Provide account and password details, click next:

Database Configuration Assista	nt, Step 5 of 15 : Database	Credentials	_ 🗆 ×
	For security reasons, you n database.	nust specify passwords for the f	ollowing user accounts in the new
	Use Different Administr	rative Passwords	
	User Name	Password	Confirm Password
	2,12		
	SYSTEM		
	DBSNMP		
	SYSMAN		
	O Use the Seme Administ Password: Confirm Password:	rative Password for All Accounts	
Cancel Help		(d B	ack Next >>

7. Configure the storage options, and then click next:

Database Configuration Assist	ant, Step 6 of 15 : Storage Options
	Select the storage mechanism you would like to use for the database. File System Use the File System for Database storage. O Automatic Storage Management (ASM)
Nayarangadambar Nayarangadambar Nayarangadambar Nayarangadambar Nayarangadambar Nayarangadambar Nayarangadambar Nayarangadambar Nayarangadambar Nayarangadambar	Automatic Storage Management simplifies database storage administration and optimizes database layout for I/O performance. To use this option you must either specify a set of disks to create an ASM disk group or specify an existing ASM disk group. C Raw Devices Raw partitions or volumes can provide the required shared storage for Real Application Clusters (RAC) databases if you do not use Automatic Storage Management and a Cluster File System is not available. You need to have created one raw device for each datafile, control file, and log file you are planning to create in the database.
Artista Artist	Specify Raw Devices Mapping File
Cancel Help	<u> ⊴</u> <u>B</u> ack <u>N</u> ext <u>></u> Einish



8. Configure file locations, click Next:

🗿 Database Configuration Assist	ant, Step 7 of 15 : Database File Locations	
	Specify locations for the Database files to be created:	
	Use Database File Locations from Template	
	O Use Common Location for All Database Files	
	Database Files Location:	Browse)
	O Use Oracle-Managed Files	
Happentgalamian Happentgalamian Weintegalamian	Database Area:	Browse
Nagazzatakan darar dara Nagazzataka Anardar	Multiplex Redo Logs and Control Files)	
Margangadawang Margangadawang Margangadawang Margangadawang Margangadawang Margangadawang Margangadawang Margangadawang Margangadawang Margangadawang	If you want to specify different locations for any database files, pick any or options except Oracle-Managed Files and use the Storage page later to or each file location. If you use Oracle-Managed Files, Oracle automatically of the names for database files, which can not be changed on the Storage p File Location	of the above sustomize generates age. Variables
Cancel Heln	Back Next S	Finish
	S Back (Berr)	



9. Configure recovery options, click next:

	Choose the recovery options for t	he database:
	Specify Flash Recovery Area	
	This is used as the default for also required for automatic di recommends that the databas disks for data protection and	r all disk based backup and recovery operations, and is isk based backup using Enterprise Manager. Oracle se files and recovery files be located on physically different performance.
	Flash Recovery Area:	(ORACLE_BASE)/flash_recovery_ Browse)
Yayang Adamian Yayang Adamian Manazarta danan Manazarta danan	۳ Flash Recovery Area Size:	2048 M Bytes
Neuroscipilaterian Metalogiaderian Metalogiaderian Metalogiaderian Metalogiaderian Metalogiaderian Metalogiaderian Metalogiaderian Metalogiaderian Metalogiaderian Metalogiaderian Metalogiaderian Metalogiaderian Metalogiaderian Metalogiaderian	Enable Archiving	Edit Archive Mode Parameters
		File Location Variables)
Cancel) (Help)		(≧ <u>B</u> ack Next ≫) (Einish

10. Do Not install sample schemas, click next:

Database Configuration Assist	ant, Step 9 of 15 : Database Content 📃 🗖 🛛	ĸ
	Sample Schemas Custom Scripts Sample Schemas illustrate the use of a layered approach to complexity, and are used by some demonstration programs. Installing this will give you the following schemas in your database: Human Resources, Order Entry, Online Catalog, Product Media, Information Exchange, Sales History. It will also create a tablespace called EXAMPLE. The tablespace will be about 130 MB. Specify whether or not to add the Sample Schemas to your database. Sample Schemas	
Cancel Help	<u>Seack</u> <u>Next</u> <u>Einish</u>	



11. Configure UNICODE Character Set:

Database Configuration Assis	tant, Step 10 of 14 : Init	ialization P	aramete	rs				_ 🗆 ×
	Memory	Sizin	g	Character	Sets (Connection I	Mode	
	– Database Characte	er Set ——						
	 Use the default The default char operating system Use Unicode (AL) Setting character groups. Choose from the Database Chara 	racter set f n: WE8MS\ 32UTF8) r set to Uni list of cha cter Set:	ior this di WIN1252 icode (AL racter se AL32U Show	atabase is bi .32UTF8) en: ts TF8 - Unicod	ased on t ables you de UTF-8 ded chara	the languag I to store m Universal o Inter sets or	e setting of ultiple lang character se	this uage
	National Character : Default Language: Default Territory: All Initialization Para	Set: AL An Un umeters	16UTF16 nerican ited Stati	5 – Unicode I es	UTF-16 L	Jniversal ch	aracter set	*
Cancel Help					⊰ <u>B</u> ack	Next	»	inish)



12. Configure Connection Mode, click next:

🛐 Database Configuration Assist	tant, Step 10 of 14 : In	iitialization Paramet	ers	
	Memory	Sizing	Character Sets	Connection Mode
	Select the mode in Constraints of the mode in Constraints of the server Several client of the server with Several client of the server with Several client of the server of the server of the server Shared Servers of the server of the server of the server Shared Server of the	n which you want yo er Mode connection the datak Use this mode whe rhen clients will be n Mode nnections share a d mber of users need g system resources specifies the numbe arted up.	ur database to oper base will allocate a r n the number of tot naking persistent, lo latabase-allocated r to connect to the d s. The Oracle share er of server process	rate by default: resource dedicated to serving al client connections is expected ong-running requests to the bool of resources. Use this mode latabase simultaneously while d server feature will be enabled. es that you want to create when dit Shared Server Parameters
Cancel Help			(de Ba	ack Next » Einish

13. Configure Security settings, click next:

Database Configuration Assista	ant, Step 11 of 14 : Security Settings	_ 🗆 🗵
Database Configuration Assists	Ant, Step 11 of 14: Security Settings Oracle recommends using the enhanced default security settings. Keep the enhanced 11g default security settings (recommended) These settings include enabling auditing and a new default password profile. Revert to pre-11g default security settings To disable a particular category of enhanced settings for compatibility purposes of from the following. Revert audit settings to pre-11g defaults Revert password profile settings to pre-11g defaults 	100SE
Cancel Help	G Back Next D	nish

14. Configure maintenance task, click next:

Database Configuration Assi	stant, Step 12 of 14 : Automatic Maintenance Tasks	
	Oracle Database 11g provides the ability to automatically manage maintenance tasks as optimizer statistics collection and proactive advisor reports. These tasks are run in predefined maintenance window and their CPU consumption is throttled to prevent th from interfering with normal user work. The default maintenance windows are 10:00 00 AM on weekdays, and all weekend long. These defaults can be changed using Ent Manager at any time. Enable automatic maintenance tasks	such em PM – 2: erprise
Cancel Help) <u> </u>	nish

15. Review storage information, click next:

Database Configuration Assista	int, Step 13 of 14 : Database Storage	_ 🗆 ×
⊖- <mark>©Storage</mark> ⊢∰Controlfile	Database Storage	A
→ Datafiles	 From the Database Storage page, you can specify storage parameters for database creation. This page displays a tree listing and summary view (multi-column lists) to enable you to change and view the following objects: Control files Tablespaces Datafiles Rollback Segments Redo Log Groups From any object type folder, click Create to create a new object. To delete an object select 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 of template enables you to change the following: Destination of the datafiles Control files or log groups. For more information, refer to the 	≥
Create Delete	File Location Variabl	es)
Cancel Help	Back Ein	ish)

16. Review information, click finish:

Database Configuration Assista	nt, Step 14 of 14 : Creation Options	
	Select the database creation options: Create Database Save as a Database Template Name: wpsdb7 Description: Generate Database Creation Scripts Destination Directory. /u01/app/oracle/admin/wpsdb7/scripts	Browse
Cancel Help		Einish



17. Once the installation completes review the installation summary information:

XDatabase Configuration Assistant
Database creation complete. For details check the logfiles at: /u01/app/oracle/cfgtoollogs/dbca/wpsdb.
Database Information: Global Database Name: wpsdb System Identifier(SID): wpsdb Server Parameter Filename: /u01/app/oracle/product/11.1.0/db_1/dbs/spfilewpsdb.ora
The Database Control URL is https://dnhpbl13.mlab.jdedwards.com:5500/em
Management Repository has been placed in secure mode wherein Enterprise Manager data will be encrypted. The encryption key has been placed in the file: /u01/app/oracle/product/11.1.0/db_1/dnhpbl13.mlab.jdedwards. com_wpsdb/sysman/config/emkey.ora. Please ensure this file is backed up as the encrypted data will become unusable if this file is lost.
Note: All database accounts except SYS, SYSTEM, DBSNMP, and SYSMAN are locked. Select the Password Management button to view a complete list of locked accounts or to manage the database accounts(except DBSNMP and SYSMAN). From the Password Management window, unlock only the accounts you will use. Oracle Corporation strongly recommends changing the default passwords immediately after unlocking the account. Password Management)
Exit



18. From sqlplus command line perform the following select query:

Oracle Database Setup Considerations

Listed below are some important considerations before setting up Oracle databases to work with WebSphere Portal.

For information about creating databases, refer to the Oracle product documentation. For information on the recommended database architecture and the databases you will need to create, see the Planning for Oracle topic. Be sure that all databases to be used with WebSphere Portal are created as UNICODE character set databases.

If you are using Oracle 10g databases, you must also obtain a copy of the ojdbc6.jar file from the Oracle JDBC driver download site, copy it to the WebSphere Portal machine, and update the wkplc_dbtype.properties file with oracle.DbLibrary=(the path to the local ojdbc6.jar). If you are using Oracle 11g databases, you must also copy the ojdbc6.jar file from the Oracle server to the WebSphere Portal machine and update the wkplc_dbtype.properties file with oracle.DbLibrary=(the path to the local ojdbc6.jar). The typical location is the oracle_home/sqldeveloper/jdbc/lib directory. Record the copy location on your local machine for future reference.

When creating Oracle databases for use with WebSphere Portal, you should consider the following information:

- The Oracle databases must be created manually before configuring WebSphere Portal.
- All databases must be created using UNICODE Database and National character sets such as UTF8, AL32UTF8, or AL16UTF16.



- It is recommended that all databases to be used with WebSphere Portal are configured in Dedicated Server Mode.
- Determine if your Oracle server will be remote or local to the WebSphere Portal installation.
- After installing the database software for WebSphere Portal, you will need to set the buffer pools allocated to the Oracle database in order for WebSphere Portal to communicate with the Java Content Repository database. Use the following recommended values as a guide. Refer to the Oracle product documentation for information on how to set the buffer pools. Recommended initial buffer pool sizes:

db_block_size = 8192 bytes

db_cache_size = 307,200 bytes

db_files = 1024 files

log_buffer = 65536 bytes

open_cursors = 1500 cursors

pga_aggregate_target = 204,800 bytes

pre_page_sga = true

processes = 300 processes

shared_pool_size = 204,800 bytes

Note: If you are using IBM Java Content Repository, the open_cursors value may need to be increased based on the table count in the Java Content Repository schema.

- Raise the number of parallel servers as appropriate. For example, if you have more than 875 parallel servers, you should set the parallel_max_serversto 1200.
- The Oracle parameter CURSOR_SHARING allows similar SQL Statements to be shared when possible, which prevents parsing and establishing a new execution plan. The execution plan is used by Oracle to gather the data needed to satisfy a request. There are two options for CURSOR_SHARING, which are as follows:
 - FORCE

When you select this option, Oracle uses the same execution plan for all SQLs that are similar in value even if the values are different. When you use this option, the execution plan may not provide optimum performance. For example, similar SQLs with different values may behave differently when executed running the same plan.

• EXACT

When you select this option, Oracle only shares the same execution plan for SQLs that are identical and use the same values. This option removes the risk of a SQL statement being executed when optimum performance conditions do not exist.

• WebSphere Portal supports both options. Regardless of the option selected, portlet applications should not be affected. Contact your database administrator for further assistance on these options.

Refer to the following instructions for creating tablespaces:

1. In the database directory, create the data directory data and the index directoryindex.

- 2. Create tablespaces using the following commands as examples:
 - **a.** Substitute the values of your environment for the following variables:
 - &jcrdb. is the name of the database you created to store user data.
 - &dbpath. is the directory where you created the database; the default path is /oracle/oradata.
 - **b.** Ensure that the '.' is included in the variables when you substitute the values of your environment with these variables.

Note: You must use the same table space names listed in the commands. The table space names cannot be customized or modified.

```
create tablespace ICMLFQ32 datafile '&dbpath./&jcrdb./data/
&jcrdb._ICMLFQ32_01.dbf' size 300M reuse autoextend on next 10M
maxsizeUNLIMITED extent management local autoallocate;
create tablespace ICMLNF32 datafile '&dbpath./&jcrdb./data/
&jcrdb._ICMLNF32_01.dbf' size 25M reuse autoextend on next 10M maxsizeUNLIMITED
extent management local autoallocate;
create tablespace ICMVFQ04 datafile '&dbpath./&jcrdb./data/
&jcrdb._ICMVFQ04_01.dbf' size 25M reuse autoextend on next 10M maxsizeUNLIMITED
extent management local autoallocate;
create tablespace ICMSFQ04 datafile '&dbpath./&jcrdb./data/
&jcrdb._ICMVFQ04_01.dbf' size 25M reuse autoextend on next 10M maxsizeUNLIMITED
extent management local autoallocate;
create tablespace ICMSFQ04 datafile '&dbpath./&jcrdb./data/
&jcrdb._ICMSFQ04_01.dbf' size 150M reuse autoextend on next 10M
maxsizeUNLIMITED extent management local autoallocate;
create tablespace ICMSFQ04_01.dbf' size 150M reuse autoextend on next 10M
```

create tablespace ICMLSNDX datafile '&dbpath./&jcrdb./index/ &jcrdb._ICMLSNDX_01.dbf' size 10M reuse autoextend on next 10M maxsizeUNLIMITED extent management local autoallocate;

- c. Set the size, autoextend, and maxsize values according to your environment. For example, you may want to change the maxsize to a set value rather than UNLIMITED.
- **d.** Consult your Database Administrator for specific guidance about creating tablespaces for your environment.
- e. Refer to the Oracle command reference for more information about using the create tablespaces command.

This topic provides instructions on automatically setting up your database using the ConfigEngine task to create users, grant permissions, and create Java Content Repository table spaces.

1. On the database server, make sure the subfolders your_oracle_instance/data and your_oracle_instance/index exist. If this folder hierarchy does not exist, create it manually before you run the setup-database task.

The setup-database task requires these folders to create table spaces. If these folders do not exist, the setupdatabase task will fail. Note: The setup-database task creates the table spaces, index spaces, and the database users as specified in the properties files.

- 2. Complete these steps to manually grant database user privileges:
 - a. Copy the appropriate template files to a work directory. Choose one of the following template files:
 - createRuntimeRoleForDifferentSchema.sql if the name of the database user and the schema name are not the same.
 - createRuntimeRoleForSameSchema.sql if the name of the database user and the schema name are the same.
 - JCR database domain: For the JCR database domain, you must also copy grantExtendedPermissionsToRuntimeRole.sql.
 - **b.** Locate these files in the following directories:

PortalServer_root\\base\\wp.db.impl\\config\\templates\\setupdb\\dbms\\domain PortalServer_root \\pzn\\prereq.pzn\\config\\templates\\setupdb\\dbms\\domain

- **c.** Replace all placeholder values with the values as defined in wkplc_dbdomain.properties. Placeholder values are surrounded by the character @.
- d. Run these statements.

Complete these steps to grant database user privileges with the ConfigEngine task:

Ensure the database administrator user ID is specified for domain.DBA.DbUser in wp_profile_root\ \ConfigEngine\\properties\\wkplc_dbdomain.properties. For example, domain.DBA.DbUser=dbadmin.

- e. Run the following task: ./ConfigEngine.sh grant-runtime-db-user-privileges DTransferDomainList=comma_separated_list_of_domains
- **3.** After transferring the database tables, run the dbms_stats.gather_schema_stats command to update the database statistics.

For example:

SQL> execute dbms_stats.gather_schema_stats(ownname=> 'jcr', cascade=> TRUE);

4. Run the ./ConfigEngine.sh create-jcr-jms-resources-post-dbxfer -DWasPassword=password command to create JMS resources in the new database.

Note: Regardless of the method used to transfer data (configuration wizard or the steps in this topic), you must run this task to create JMS resources.

- **5.** Change to the directory wp_profile_root\\bin.
- 6. Start the Administrative server (server1) and WebSphere Portal server.

6 Verifying Database Connections

Verifying Database Connections

This section provides information on verifying database connections.

Verifying Database Connections

After you configure IBM® WebSphere® Portal to work with your database, test the database connection to ensure that it operates correctly. Then verify that all database transactions work properly within the WebSphere Portal environment. For example, all portal pages should display without HTTP 404 errors, and there should be no database layer-related exceptions in the SystemOut.log and SystemErr.log files.

You can verify the database connection using IBM WebSphere Application Server or by opening WebSphere Portal in a browser.

To verify that the WebSphere Portal application server is running by using WebSphere Application Server, complete these steps:

1. Open the WebSphere Application Server administrative console by entering the following address in a browser:

http://hostname.example.com:10001/ibm/console

where hostname.example.com is the fully qualified host name of the machine where WebSphere Portal is running and 10042 is the default transport port that is created by WebSphere Application Server.

- 2. Log into the administrative console.
- 3. Click Resources, JDBC, JDBC Providers.
- 4. Select all scopes (the default setting) or select a specific cell, node, or node/server.

Select the scope that corresponds to your instance of WebSphere Portal.

The view refreshes.

- **5.** Select the name of the data source that is defined in wkplc_dbdomain.properties. The default data source is wpdbDS.
- 6. Select the name of the JDBC provider that is specified in wkplc_dbtype.properties.

The default JDBC provider is wpdbJDBC_dbtype, where dbtype is replaced by the value that matches your environment.

7. Click Test Connection to verify the database connection.

If configuration parameters have been changed, you might need to restart WebSphere Application Server for the test to complete.

To verify that the WebSphere Portal application server is running by opening WebSphere Portal in a browser, enter the following URL in a supported browser:

http://hostname.example.com:10039/wps/portal



where hostname.example.com is the fully qualified host name of the machine, where WebSphere Portal is running and 10039 is the default transport port that is created by WebSphere Application Server.

7 Configuring the Microsoft Active Directory for Portal

Installing Microsoft Active Directory for Microsoft Windows 200x

If you plan to use Active Directory as an LDAP user registry, you must install and set up the server so that it will communicate with IBM® WebSphere® Portal.

Preparing Active Directory

Perform the following steps to install and configure Active Directory:

- 1. Install required Service Packs.
- 2. Perform the following steps to install Internet Information Services (IIS), which is required to export server certificates and must be installed before installing Certificate Services:
 - a. Open the Control Panel and select Add/Remove Programs.
 - **b.** Choose Add/Remove Windows Components.
 - c. Choose the Internet Information Services (IIS) component and then click Next.
 - d. Follow the instruction of the Windows Components Wizard. The Windows Server CD is needed.
- 3. Use the following steps to install Certificate Services if you plan on using Active Directory over SSL:
 - a. Open the Control Panel and select Add/Remove Programs.
 - b. Choose Add/Remove Windows Components.
 - c. Select Certificate Services and then click Next.
 - **d.** Select Stand-alone root CA and then click Next. You can also choose other options depends on you needs.
 - e. Fill in CA identifying information and then click Next.
 - f. Follow the instruction of the Windows Components Wizard. The Windows Server CD is needed.

Perform the following steps as a guide to create the WebSphere Portal administrative user:

1. Create a new user with the Windows administrative tools.

Note: There is a 20 character limitation for the user account name.

- 2. Set the password for the new user.
- **3.** Activate the new user with the Windows administrative tools. Set the msDS-UserAccountDisabled attribute to false.

Perform the following steps to enable SSL for Active Directory; this step is required to set passwords during sign up and user creation:

- 1. Install an Enterprise Certificate Authority on a Windows 2000 Domain Controller, which installs a certificate on a server or install a third-party certificate on the Domain Controller.
- 2. Click Start -> All Programs -> Administrative Tools -> Active Directory Users and Computer.

- 3. In the Active Directory Users and Computers window, right-click on your domain name and select Properties.
- 4. In the Domain Properties dialog box, select the Group Policy tab.
- 5. Select the Default Domain Policy group policy and then click Edit.
- **6.** Select Windows Settings under Computer Configuration.
- 7. Select Security Settings and then select Public Key Policies.
- 8. Select Automatic Certificate Request Settings.
- 9. Use the wizard to add a policy for Domain Controllers.

Note: When these requirements are complete, all domain controllers request a certificate and support LDAP over SSL using port 636.

LDAP User Registry without SSL

Configure IBM® WebSphere® Portal to use a standalone LDAP user registry to store all user account information for authorization.

If you need to rerun the wp-modify-ldap-security task to change the LDAP repositories or because the task failed, you must choose a new name for the realm using the standalone.ldap.realm parameter or you can set ignoreDuplicateIDs=true in the wklpc.properties file, before rerunning the task.

Perform the following steps to configure a standalone LDAP user registry:

Note: Use the wp_security_xxx.properties helper file, located in the wp_profile_root/ConfigEngine/config/ helpersdirectory, when performing this task to ensure the correct properties are entered. In the instructions below, when the step refers to thewkplc.properties file, you will use your wp_security_xxx.properties helper file.

- 1. Use a text editor to open the wkplc.properties file, located in the wp_profile_root\\ConfigEngine\\properties directory.
- 2. Required: Enter a value for the following required parameters in the wkplc.properties file under the Stand-alone security heading:

Note: See the properties file for specific information about the required parameters and for advanced parameters.

standalone.ldap.id standalone.ldap.host standalone.ldap.port standalone.ldap.bindDN standalone.ldap.bindPassword standalone.ldap.ldapServerType standalone.ldap.userIdMap standalone.ldap.groupIdMap standalone.ldap.groupMemberIdMap



standalone.ldap.userFilter

standalone.ldap.groupFilter

standalone.ldap.serverld

standalone.ldap.serverPassword

standalone.ldap.realm

standalone.ldap.primaryAdminId

standalone.ldap.primaryAdminPassword

standalone.ldap.primaryPortalAdminId

standalone.ldap.primaryPortalAdminPassword

standalone.ldap.primaryPortalAdminGroup

standalone.ldap.baseDN

3. Required: Enter a value for the following required entity types parameters in the wkplc.properties file under the LDAP entity types heading:

Note: See the properties file for specific information about the required parameters and for advanced parameters.

standalone.ldap.et.group.objectClasses

standalone.ldap.et.group.objectClassesForCreate

standalone.ldap.et.group.searchBases

standalone.ldap.et.personaccount.objectClasses

standalone.ldap.et.personaccount.objectClassesForCreate

standalone.ldap.et.personaccount.searchBases

4. Required: Enter a value for the following required group member parameters in the wkplc.properties file under the Group member attributes heading:

Note: See the properties file for specific information about the required parameters and for advanced parameters.

standalone.ldap.gm.groupMemberName

standalone.ldap.gm.objectClass

standalone.ldap.gm.scope

standalone.ldap.gm.dummyMember



5. Required: Enter a value for the following required relative distinguished name (RDN®) parameters in the wkplc.propertiesfile under the Default parent, RDN attribute heading:

Note: See the properties file for specific information about the required parameters and for advanced parameters.

standalone.ldap.personAccountParent

standalone.ldap.groupParent

standalone.ldap.personAccountRdnProperties

standalone.ldap.groupRdnProperties

- 6. Save your changes to the wkplc.properties file.
- 7. Run the ./ConfigEngine.sh validate-standalone-ldap -DWasPassword=password task to validate your LDAP server settings.

Note: If you have not deleted the default file repository, WasPassword is the value entered during installation and not a value found in your LDAP user registry.

Note: During the validation task, you may receive the following prompt: Add signer to the trust store now? Press y and Enter.

- 8. Run the ./ConfigEngine.sh wp-modify-ldap-security -DWasPassword=password task, from thewp_profile_root\ \ConfigEngine directory, to set the stand-alone LDAP user registry.
- **9.** Stop and restart the appropriate servers to propagate the changes. For specific instructions, see the following link under Related tasks: Starting and stopping servers, deployment managers, and node agents.
- **10.** Run the ./ConfigEngine.sh wp-validate-standalone-ldap-attribute-config -DWasPassword=password task, from the wp_profile_root\\ConfigEngine directory, to check that all defined attributes are available in the configured LDAP user registry.

Note: When you finish configuring your LDAP user registry, see "Adapting the attribute configuration" for information about adding and mapping attributes to ensure proper communication between WebSphere Portal and the LDAP server.

11. Optional: Run the Member Fixer task to update the member names used by Web Content Management with the corresponding members in the LDAP directory. This step ensures that access to the Web content libraries for

the Intranet and Internet Site Templates for the contentAuthors group is correctly mapped to the appropriate group in the LDAP directory.

Note: This step is only needed if you have installed the product with Web Content Management and intend to use the Intranet and Internet Site Templates that were optionally installed with the product by running the configure-express task.

- a. Edit the wp_profile_root\\PortalServer\\wcm\\shared\\app\\config\\wcmservices\ \MemberFixerModule.properties file.
- **b.** Add the following lines to the file:

```
uid=xyzadmin,o=defaultWIMFileBasedRealm -> portal_admin_DN
```

```
cn=contentauthors,o=defaultWIMFileBasedRealm -> content_authors_group_DN
```

Where portal_admin_DN is the distinguished name of the portal administrator and content_authors_group_DN is the distinguished name of the content authors group used during LDAP configuration.

Note:

- Ensure the portal administrator you specify for portal_admin_DN is a member of the group you specify forcontent_authors_group_DN, otherwise the portal administrator cannot access the Web content libraries for the Intranet and Internet Site Templates.
- If you plan to run the express-memberfixer task in an environment with multiple realms, remove thecn=contentauthors,o=defaultWIMFileBasedRealm group if it exists. If this group exists in an environment with multiple realms, the Member Fixer task does not have any effect.
- c. Save your changes and close the file.
- d. Run the ./ConfigEngine.sh express-memberfixer -DmemberfixerRealm=realm_name -DPortalAdminPwd=password-DWasPassword=password task, located in the wp_profile_root\ \ConfigEngine directory.

Note: Choose the appropriate value to enter for realm_name depending on the type of LDAP user registry you configured:

The following table contains the value for realm_name when running the Member Fixer task to update the member names used by Web Content Management:

Type of LDAP	Value
Standalone LDAP	The value specified for realm_name should match the value forstandalone.ldap.realm in the wkplc.properties file.
Federated LDAP	The value specified for realm_name should match the value forfederated.realm in the wkplc.properties file. If the value forfederated.realm is empty, use defaultWIMFileBasedRealmas the default value.



- 12. Optional: Assign access to the Web content libraries.
 - a. Log in as a portal administrator.
 - b. Navigate to Administration -> Portal Content -> Web Content Libraries.
 - c. Click the Set permissions icon for the Web library.
 - **d.** Click the Edit Role icon for Editor.
 - e. Add the group you specified for content_authors_group_DN as an Editor for the Intranet and Internet libraries.
 - f. Click Apply then Done.
 - **g.** If you have created any additional Web Content Management libraries, run the Web content member fixer task to update the member names used by the libraries.

LDAP User Registry over SSL

Configure IBM® WebSphere® Portal to use a standalone LDAP user registry over SSL to store all user account information for secure authorization.

Perform the following steps to configure a standalone LDAP user registry over SSL:

Note: Use the wp_security_xxx.properties helper file, located in the wp_profile_root/ConfigEngine/config/ helpersdirectory, when performing this task to ensure the correct properties are entered. In the instructions below, when the step refers to thewkplc.properties file, you will use your wp_security_xxx.properties helper file.

- 1. Choose one of the following options to specify the LDAP server's SSL certificate in either the server trust store or the default client trust store:
 - a. Choose one of the following to add the certificate to the server trust store:

The following table contains the options for adding the SSL certificate to the server trust store:

Steps	
i. Log in to the WebSphere Application Server Administrative Console.ii. Navigate to Security, SSL certificate and key management, SSL configurations.iii. Click the appropriate SSL configuration from the list. For example,	
Stand-alone environments:NodeDefaultSSLSettings	
Clustered environments: CellDefaultSSLSettingsiv. Click Key stores and certificates.v. Click the appropriate trust store from the list. For example,	
Stand-alone environments: NodeDefaultTrustStore	
Clustered environments: CellDefaultTrustStore	
vi. Click Signer certificates, click Add, and then enter the following information:	
Type the Alias the key store uses for the signer certificate.	
Type the File name where the signer certificate is located. vii. Click OK and then click Save to save the changes to the master configuration.	

Option	Steps	
Retrieve the certificate from the port	i. Log in to the WebSphere Application Server Administrative Console.ii. Navigate to Security, SSL certificate and key management, SSL configurations.iii. Click the appropriate SSL configuration from the list. For example,	
	Stand-alone environments:NodeDefaultSSLSettings	
	Clustered environments: CellDefaultSSLSettings	
	iv. Click Key stores and certificates.	
	v. Click the appropriate trust store from the list. For example,	
	Stand-alone environments: NodeDefaultTrustStore	
	Clustered environments: CellDefaultTrustStore	
	vi. Click Signer certificates, click Retrieve from port, and then enter the following information:	
	Type the Host name used when attempting to retrieve the signer certificate from the SSL port.	
	Type the SSL Port used when attempting to retrieve the signer certificate.	
	Type the Alias the key store uses for the signer certificate. Clustered environments: Ensure the setting for SSL configuration for outbound connection matches your SSL settings.	
	vii. Click Retrieve signer information to retrieve the certificate from the port.	

Option	Steps
	viii. Click OK and then click Save to save the changes to the master configuration.

- **b.** Add the certificate to the client trust store:
 - See Secure installation for client signer retrieval.
 - Run the retrieveSigners task from the wp_profile_root/bin directory; see retrieveSigners command for information. In a deployed environment, you will need to run the retrieveSigners task, for any federated node, against the Deployment Manager.

Note: This task might report an error, but it does successfully update the trust store. You can ignore the error message. Example task: Stand-alone environments

Example task:

For stand-alone environments:

retrieveSigners.bat NodeDefaultTrustStore ClientDefaultTrustStore -autoAcceptBootstrapSigner
-conntype SOAP -port port_number

For clustered environments

retrieveSigners.bat CellDefaultTrustStore ClientDefaultTrustStore -autoAcceptBootstrapSigner -conntype SOAP -port port_number

When prompted, enter the following:

Realm/Cell Name: name

Username: user_ID

Password: password

The following message displays:

CWPKI0308I: Adding signer alias "alias_name" to local keystore "ClientDefaultTrustStore" with the following SHA digest: ssl_certificate_fingerprint

- Update the trust store properties file.
- **2.** Use a text editor to open the wkplc.properties file, located in the wp_profile_root\\ConfigEngine\\properties directory.



3. Required: Enter a value for the following required parameters in the wkplc.properties file under the VMM Standalone LDAP configuration heading:

Note: See the properties file for specific information about the required parameters and for advanced parameters.

standalone.ldap.id standalone.ldap.host standalone.ldap.port standalone.ldap.bindDN standalone.ldap.bindPassword standalone.ldap.ldapServerType standalone.ldap.userldMap standalone.ldap.groupIdMap standalone.ldap.groupMemberIdMap standalone.ldap.userFilter standalone.ldap.groupFilter standalone.ldap.serverld standalone.ldap.serverPassword standalone.ldap.realm standalone.ldap.primaryAdminId standalone.ldap.primaryAdminPassword standalone.ldap.primaryPortalAdminId standalone.ldap.primaryPortalAdminPassword standalone.ldap.primaryPortalAdminGroup standalone.ldap.baseDN



4. Required: Enter a value for the following required entity types parameters in the wkplc.properties file under the LDAP entity types heading:

Note: See the properties file for specific information about the required parameters and for advanced parameters.

standalone.ldap.et.group.objectClasses

standalone.ldap.et.group.objectClassesForCreate

standalone.ldap.et.group.searchBases

standalone.ldap.et.personaccount.objectClasses

standalone.ldap.et.personaccount.objectClassesForCreate

standalone.ldap.et.personaccount.searchBases

5. Required: Enter a value for the following required group member parameters in the wkplc.properties file under the Group member attributes heading:

Note: See the properties file for specific information about the required parameters and for advanced parameters.

standalone.ldap.gm.groupMemberName

standalone.ldap.gm.objectClass

standalone.ldap.gm.scope

standalone.ldap.gm.dummyMember

6. Required: Enter a value for the following required relative distinguished name (RDN®) parameters in the wkplc.properties file under the Default parent, RDN attribute heading:

Note: See the properties file for specific information about the required parameters and for advanced parameters.

standalone.ldap.personAccountParent

standalone.ldap.groupParent

standalone.ldap.personAccountRdnProperties

standalone.ldap.groupRdnProperties

7. Enter a value for the following parameters to enable Secure Socket Layers (SSL):

Note: See the properties file for specific information about the required parameters and for advanced parameters.

Required parameters:

standalone.ldap.sslEnabled

standalone.ldap.sslConfiguration



Optional parameters:

standalone.ldap.certificateMapMode

standalone.ldap.certificateFilter

- 8. Save your changes to the wkplc.properties file.
- 9. Run the ./ConfigEngine.sh validate-standalone-ldap -DWasPassword=password task to validate your LDAP server settings.

Note: If you have not deleted the default file repository, WasPassword is the value entered during installation and not a value found in your LDAP user registry.

Note: During the validation task, you may receive the following prompt: Add signer to the trust store now? Press y and then Enter.

- **10.** Run the ./ConfigEngine.sh wp-modify-ldap-security -DWasPassword=password task, from thewp_profile_root\ \ConfigEngine directory, to set the stand-alone LDAP user registry.
- **11.** Stop and restart the appropriate servers to propagate the changes. For specific instructions, see the following link under Related tasks: Starting and stopping servers, deployment managers, and node agents.
- 12. Run the ./ConfigEngine.sh wp-validate-standalone-ldap-attribute-config -DWasPassword=password task, from the wp_profile_root\\ConfigEngine directory, to check that all defined attributes are available in the configured LDAP user registry.

Note: When you finish configuring your LDAP user registry, see "Adapting the attribute configuration" for information about adding and mapping attributes to ensure proper communication between WebSphere Portal and the LDAP server.

Working with LDAP Attributes

This section describes how to:

- Perform a query on attributes.
- Add new attributes to your user registry.
- Map attributes between WebSphere Portal and your LDAP server.
- Remove attributes from your database.

After installing IBM® WebSphere® Portal and configuring your LDAP user registries, you can query the defined attributes to see what attributes are flagged as unsupported or if the attribute is mapped to a different LDAP attribute.

To perform a query:

Run the ./ConfigEngine.sh wp-query-attribute-config -DWasPassword=password task, from thewp_profile_root/ ConfigEngine directory, any time during the configuration process or at runtime to query an overview of the currently defined attributes.

This task creates the availableAttributes.html report, located in the wp_profile_root/ConfigEngine/logdirectory. The report contains one table that lists the available attributes for Users (PersonAccount) and one table that lists the available attributes for Groups. For each configured repository, there is a column that indicates if the attribute is flagged as unsupported or if the attribute is mapped to a different LDAP attribute.



Note: This task does not validate the existence of attributes in the LDAP schema.

The VMM is configured with a default attribute schema that might not be compatible with your LDAP server. If this is the case, extend the VMM attribute schema by adding new attributes that you can map between IBM® WebSphere® Portal and your user registry.

Perform the following steps to add new attributes to your user registry:

- 1. Install the required Enterprise Archive (.ear) file on WebSphere Application Server.
 - a. Open a command prompt.
 - **b.** Navigate to the wp_profile_root\\ConfigEngine directory.
 - c. Run the ./ConfigEngine.sh wp-la-install-ear -DWasPassword=password task.
- 2. Stop and restart the appropriate servers to propagate the changes. For specific instructions, see the following link under Related tasks: Starting and stopping servers, deployment managers, and node agents.
- **3.** Use a text editor to open the wkplc.properties file, located in the wp_profile_root\\ConfigEngine\\properties directory.
- **4.** Enter a value for the following required parameters in the wkplc.properties file under the VMM Property Extension Properties heading:

Note: See the properties file for specific information about the required parameters and for advanced parameters.

la.providerURL

la.propertyName

la.entityTypes

la.dataType

la.multiValued

- 5. Save your changes to the wkplc.properties file.
- 6. Run the ConfigEngine.sh wp-add-property -DWasPassword=password task to add the attribute to the user registry.

Note: This task performs an EJB call to WebSphere Application Server, which must authenticate against WebSphere Application Server. Depending on the configuration in the sas.client.props file, you may receive a popup window or a command line prompt asking for user identity and password. Enter the WebSphere Application Server user ID and password.

Note: If you have multiple properties to add, repeat all steps, except for the wp-la-install-ear task, until all new attributes are added.

7. Stop and restart the appropriate servers to propagate the changes.

After you install and configure your LDAP user registry and after you query the defined attributes, you can map the attributes so they match the configured LDAP servers and your business needs.

Perform the following steps to map attributes between WebSphere Portal and your LDAP server; if you have multiple LDAP servers, you will need to perform these steps for each LDAP server:

1. Use a text editor to open the wkplc.properties file, located in the wp_profile_root\\ConfigEngine\\properties directory.


- 2. For a stand-alone repository, enter a value for the following sets of parameters in the wkplc.properties file to identify your LDAP server. The parameters are found under the LDAP attribute configuration heading:
 - **Note:** Make sure you use the same values you used to configure your LDAP server.

standalone.ldap.id standalone.ldap.host standalone.ldap.port standalone.ldap.sslEnabled

standalone.ldap.bindDN

standalone.ldap.bindPassword

standalone.ldap.baseDN

Note: See the properties file for specific information about the required parameters and for advanced parameters.

3. For a stand-alone repository, run the following task from the wp_profile_root\\ConfigEngine directory. This task checks that all defined attributes are available in the configured LDAP user registry:

ConfigEngine.sh wp-validate-standalone-ldap-attribute-config -DWasPassword=password

4. Open the ConfigTrace.log file, located in the wp_profile_root\\ConfigEngine\\log directory, to review the following output for the PersonAccount and Group entity type:

The following attributes are defined in WebSphere Portal but not in the LDAP server

This list contains all attributes that are defined in WebSphere Portal but not available in the LDAP. Flag attributes that you do not plan to use in WebSphere Portal as unsupported. Map the attributes that you plan to use to the attributes that exist in the LDAP; you must also map the uid, cn, firstName, sn, preferredLanguage, and ibm-primaryEmail attributes if they are contained in the list.

The following attributes are flagged as required in the LDAP server but not in WebSphere Portal

This list contains all attributes that are defined as "MUST" in the LDAP server but not as required in WebSphere Portal. You should flag these attributes as required within WebSphere Portal; see the step below about flagging an attribute as either unsupported or required.

The following attributes have a different type in WebSphere Portal and in the LDAP server

This list contains all attributes that WebSphere Portal might ignore because the data type within WebSphere Portal and within the LDAP server do not match.

- **5.** Use a text editor to open the wkplc.properties file, located in the wp_profile_root\\ConfigEngine\\properties directory.
- 6. For a stand-alone repository, enter a value for the following sets of parameters in the wkplc.properties file to correct any issues found in the config trace file. The following parameters are found under the LDAP attribute configuration heading:

Note: See the properties file for specific information about the required parameters and for advanced parameters.



standalone.ldap.id

standalone.ldap.attributes.nonSupported

standalone.ldap.attributes.nonSupported.delete

standalone.ldap.attributes.mapping.ldapName

standalone.ldap.attributes.mapping.portalName

standalone.ldap.attributes.mapping.entityTypes

For example, the following values will flag certificate and members as unsupported attributes and will map ibm-primaryEmail to mail and ibm-jobTitle to title for both the PersonAccount andGroup entityTypes:

standalone.ldap.attributes.nonSupported=certificate, members

standalone.ldap.attributes.nonSupported.delete=

standalone.ldap.attributes.mapping.ldapName=mail, title

standalone.ldap.attributes.mapping.portalName=ibm-primaryEmail, ibm-jobTitle

standalone.ldap.attributes.mapping.entityTypes=PersonAccount, Group

- 7. Save your changes to the wkplc.properties file.
- 8. For a stand-alone repository, run the following task from the wp_profile_root\\ConfigEngine directory. This tasks updates the LDAP user registry configuration with the list of unsupported attributes and the proper mapping between WebSphere Portal and the LDAP user registry:

./ConfigEngine.sh wp-update-standalone-ldap-attribute-config -DWasPassword=password

- **9.** Stop and restart the appropriate servers to propagate the changes. For specific instructions, see the following link under Related tasks: Starting and stopping servers, deployment managers, and node agents.
- **10.** Optional: Perform the following steps to flag an attribute as either unsupported or required for the entire WebSphere Portal environment instead of just for the specified LDAP:
 - a. Enter a value for the following required parameters in the wkplc.properties file:

Note: See the properties file for specific information about the required parameters and for advanced parameters.

user.attributes.required

user.attributes.nonsupported

- **b.** Save your changes to the wkplc.properties file.
- c. Run the following task from the wp_profile_root\\ConfigEngine directory:

./ConfigEngine.sh wp-update-attribute-config -DWasPassword=password

d. Stop and restart all necessary servers to propagate your changes.

Due to a Virtual Member Manager (VMM) limitation, there is currently no task to update an attribute. Therefore, if you added an attribute to your property extension database or when adapting attributes to match your LDAP server that were spelled incorrectly or already added due to migration, you must remove the attribute from the database. Use caution when performing these steps.

Perform the following steps to remove an attribute from your database:

Note: Do not remove attributes that have already been populated with user values because this can cause database inconsistencies.

Note: In a clustered environment, perform the following steps on the deployment manager and then resynch the nodes.

- 1. Open the tool you use to edit your database.
- 2. Verify that your attribute name is available in the LAPROP table.
- 3. Delete the required attributes from the LAPROP table.
- **4.** Open the wimxmlextension.xml file, located in the wp_profile_root/config/cells/cellname/wim/model directory.
- 5. Locate and delete the propertySchema definition for the attributes that you deleted from the LAPROP table; for example:

```
<wim:propertySchema nsURI="http://www.ibm.com/websphere/wim" dataType="String"
    multiValued="true" propertyName="attribute_name">
    <wim:applicableEntityTypeNames>PersonAccount</wim:applicableEntityTypeNames>
    </wim:propertySchema>
```

- 6. Save your changes to the wimxmlextension.xml file.
- 7. Open the wimconfig.xml file, located in the wp_profile_root/config/cells/cellname/wim/config directory.
- 8. Locate and delete the propertiesNotSupported definitions for the attributes that you deleted from the LAPROP table; for example:

<config:propertiesNotSupported name="attribute_name">

- 9. Save your changes to the wimconfig.xml file.
- **10.** Stop and restart the server1 and WebSphere_Portal servers from the wp_profile_root/bin directory.

Configuring LDAP Server for Dynamic Group Queries

By default, WebSphere Portal is enabled for static groups. However, the Virtual Member Manager (VMM) allows users to be members of either static or dynamic groups. Static groups are those where a persistent binding exists between a group and its members. Dynamic groups are those where a search query is defined to retrieve the members of a group. If you have your LDAP server configured to use dynamic groups, complete the steps in this task for WebSphere Portal to use dynamic group queries when you setup your LDAP server.

Perform the required tasks to configure either a stand-alone or federated LDAP server security.

The steps in this task use groupOfURLs as the object class for dynamic groups and memberURL as the dynamic membership attribute. The actual values for object classes and dynamic membership attributes can vary depending on your LDAP server. For this reason, you should export an LDIF file to verify the object classes and dynamic membership attributes. Either refer to your LDAP documentation or ask your LDAP administrator for instructions on exporting an LDIF file.

Note: Perform the following steps on the Deployment Manager then synchronize the nodes.

To configure WebSphere Portal to use dynamic groups, do the following:

1. For stand-alone LDAP server or federated LDAP server(s), perform these steps:



- a. Navigate to the following directory: wp_profile_root/cells/cell_name/wim/config.
- b. Locate and open wimconfig.xml with any text editor.
- c. Add the following line to the <config:groupConfiguration> tag:

<config:dynamicMemberAttributes name="memberurl" objectClass="groupofurls"/>

- **d.** Save and close wimconfig.xml.
- 2. Stop and restart the appropriate servers to propagate the changes.

Configuring a Portal to Use LDAP Referrals

Referrals redirect object requests from one LDAP server to another when objects do not exist or cannot be located in a particular directory tree. You should enable referrals if your environment has more than one user registry existing on multiple servers or domains.

To configure your portal to use LDAP referrals, do the following:

- 1. Use any text editor to open the wkplc.properties file in the following directory: wp_profile_root/ConfigEngine/ properties.
- 2. Specify values for the following parameters:
 - et.ldap.id=ID_of_your_LDAP_server
 - o et.ldap.host=hostname_of_your_LDAP_server
 - et.ldap.referral=follow
- 3. Save and close wkplc.properties.
- **4.** Run the following task from the wp_profile_root/ConfigEngine directory to create an LDAP entity type:

```
./ConfigEngine.bat wp-update-et-ldap -DWasPassword=password
Windows: ./ConfigEngine.sh wp-update-et-ldap -DWasPassword=password
i: ./ConfigEngine.sh wp-update-et-ldap -DWasPassword=password
```

5. Stop and restart the appropriate servers to propagate the changes.

Enabling Security with the LDAP Directory

Once you have enabled security with your LDAP directory, you must provide the user ID and password required for security authentication on WebSphere Application Server when you perform certain administrative tasks with WebSphere Application Server.

For example, to stop the WebSphere Portal application server, you would issue this command:

stopServer WebSphere_Portal -user admin_userid -password admin_password



Configuring an External HTTP Server for WebSphere Portal v8.5

By default, the installation configures the WebSphere Portal v8.5 to use the internal HTTP transport within the WebSphere Application Server to handle requests (port 10030). Portal also supports the use of an external Web server which is the recommended configuration for production Portals.

This section explains how you can configure an external web server port to communicate with the WebSphere Portal, which includes these tasks:

- Creating a webserver definition for the wp_profile
- · Remapping the WebSphere portal to the external web server
- · Modifying the wpconfig.properties file
- · Adding the external port
- Generating the webserver plugin for the wp_profile
- Propagating webserver plugin

Creating a Webserver Definition

When WebSphere Application Server was initially installed, a webserver definition was created for the WebSphere Application Server profile, known as the default profile. The installation of the WebSphere Portal Server creates a new profile, wp_profile. This profile is a non-default profile. Non-default profiles do not have web server definitions or plugin files created for them at the time of install. To use an external http server with portal, a second webserver definition and its corresponding plugin-cfg.xml file must be created manually for the wp_profile.

To create the new definition:

1. Log in to the server1 admin console of the wp_profile, Navigate to servers, webservers, and then click New.

← → C fi	the https://denpbds11.mlab.jdedwards.com:10003/ibm/console/logon.jsp
Integrated Solutions Co	onsole
Log in to the cons User ID: wpsadmin Password: Log in	sole.



2. Provide the Server name and Host name and the platform, and click Next.

Integrated Solutions Console Welcome wpsadmin		Help	Logout
View: All tasks	Cell=DENPBDS11, Profile=wp_profile		
- Welcome	Create new Web server definition		
Guided Activities Guided Activi			
Servers	Use this page to create a new Web	b server.	
Server Types	→ Step 1: Specify the	Specify the Web server name, type, host name and platform.	
 WebSphere application servers WebSphere MQ servers Web servers 	type, host name and platform.	Specify a Web server name, type, host name and platform. + Server name	
	Step 2: Select a Web server	webserver81	
Services	template	IBM HTTP Server	
	Step 3: Enter the properties for the	* Host name	
	new Web server	DENPBDS11.mlab.jdedwards.4	
Environment	Step 4: Confirm new	* Platform	
		Windows	
	Next Cancel		
Monitoring and Tuning			
I Troubleshooting			

3. Select the IHS Template and proceed by clicking Next.

Integrated Solutions Console Welcome wpsadmin							Help Logout				
View: All tasks	C	ell=DENPBDS11, Profile=wp_profile									
- Welcome	c	reate new Web server definition									
Guided Activities								_			
Servers		Use this page to create a new Web	server.								
Server Types		Step 1: Specify the	Select	a Web server template							
 WebSphere application servers WebSphere MQ servers 		Web server name, type, host name and platform.	Select the template that corresponds to the server that you want to create.								
Web servers			: Select a								
					Step 2: Select a Web server template	Select	Template Name	Туре	Description		
		template	۲	IHS	System	The IHS Web Server Template					
Resources		Step 3: Enter the properties for the									
Security		new Web server									
Environment		Step 4: Confirm new									
System administration		Web server									
		Previous Next Cancel									
Monitoring and Tuning								_			

4. Enter details in the following screen to refer to the installation paths, and then click Next.



Help | Logout

Integrated Solutions Console Welcome wpsadmin

View: All tasks	⊆	cell=DENPBDS11, Profile=wp_profile		
- Welcome		Create new Web server definition		1
Guided Activities				
Servers		Use this page to create a new Web	server.	
Servers Servers Server Types VebSphere APQ servers WebSphere MQ servers WebSphere MQ servers WebServers Applications Services Resources Security Environment System administration Users and Groups Monitoring and Tuning Troubleshooting Service integration		Use this page to create a new Web Step 1: Specify the Web server name, type, host name and platform. Step 2: Select a Web server template -> Step 3: Enter the properties for the new Web server Step 4: Confirm new Web server	server. Enter the properties for the new Web server Enter the Web server properties. + Port B1 + Web server installation location C:\IBM\HTIPServer.0-webserver.81 + Plug-in installation location C:\IBM\HTTPServer.0-webserver.81 + Plug-in installation location C:\IBM\HTTPServer.0-webserver.81 + Plug-in installation location C:\IBM\HTTPServer.2000 Application mapping to the Web server All Plug-inistration Server properties. + Administration Server Port	
			8009	
			Username wpsadmin + Password terearce Confirm password terearce Use SSL	•
		Dreviewel Next Concel		

ORACLE

5. Review the information and click Finish.

Integrated Solutions Console Welcome wpsadmin

Integrated Solutions Console Welcome wpsadmin		Help Logout
View: All tasks	Cell=DENPBDS11, Profile=wp_profile	
- Welcome	Create new Web server definition	
Guided Activities Guided Activi		
Servers	Use this page to create a new Web	server.
Server Types	Step 1: Specify the Web server name, type, host name	Confirm new Web server
Websphere application servers WebSphere MQ servers Web servers	type, host name and platform.	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 settings.
Applications	Step 2: Select a Web server	Summary of actions:
Gervices	template	New Web server entry "webserver80"
Resources	Step 3: Enter the properties for the	"DENPBDS11.mlab.jdedwards.com"
Escurity Security Security	new Web server	Web server installation root
Environment	→ Step 4: Confirm new	"C:\IBM\HTTPServer"
	WED SEIVEI	
Users and Groups	Previous Finish Cancel	
Monitoring and Tuning		

6. In the Web servers page click Save option. After which the following screen appears.

Integrated Solutions Console Welcome wpsadmin						Help	Logout
View: All tasks	Cell=DEN	PBDS11, Profile=wp_pro	file			2	
- Welcome							
Guided Activities Guided Activi	Web servers						
Servers	Use this page to view a list of the installed Web servers.						
 Server Types WebSphere application servers WebSphere MQ servers Web servers 	Preferences Generate Plug-in Propagate Plug-in New Delete Templates Start Stop Terminate D						
	Select	Name 🛟	Web server Type 🛟	Node 🗘 _	Host Name 🗘 _	Version 🔆	Status 🗘
Services	You c	an administer the followi	ng resources:				
Resources		webserver81	IBM HTTP Server	DENPBDS11	DENPBDS11.mlab.jdedwards.com	ND	*
Gecurity						7.0.0.11	
Environment	Total	1					

Adding a Virtual Host Definition

If you want to access WebSphere Portal using a host name and port different from your Web server default (i.e port 80), add the required virtual host definition using the WebSphere Application Server administrative console.

1. Select Environment, Virtual Hosts.

Integrated Solutions Console Welcome wpsadmin	
View: All tasks	Cell=DENPBDS11, Profile=wp_profile
- Welcome	Virtual Hosts
Guided Activities	Virtual Hosts
Servers Server Types WebSphere application servers	Use this page to create a virtual host with a unique host machines. Each virtual host has a logical name Preferences
 WebSphere MQ servers Web servers 	New Delete
Services	Select Name 🗘
	You can administer the following resources:
	admin host
Environment	default host
 Virtual hosts Update global Web server plug-in configuration WebSphere variables Shared libraries Replication domains Maming 	Total 2

2. Select the **default_host** entry or the entry for the virtual host that is being used to access the WebSphere Portal application.

3. Select **Host Aliases**, and verify whether there is a host name and port entry corresponding to the values used to access WebSphere Portal (for example, *:10039). Select New, and enter the information for the host name and port you want to use. (In the example below port 81 was added.)

Integrated Solutions Console Welcome wpsadmin				Help Logout							
View: All tasks	Cell=DENP	PBDS11, Profile=wp_profile									
- Welcome	Virtual Ho	Virtual Hosts ?									
Guided Activities Guided Activi	<u>Virtual Hosts</u> > <u>default_host</u> > Host Aliases										
Servers	Use this page to edit, create, or delete a domain name system (DNS) alias by which the virtual host is known.										
Server Types		erences									
WebSphere application servers WebSphere MO servers	New	Delete									
Web servers		n 🕂 🕫									
	Select	Host Name 🛟	Port 🗘								
	You ca	an administer the following resources:									
		±	80								
E Security		*	443								
Environment		*	10000								
 Virtual hosts Update global Web server plug-in configuration 		*	10002								
 WebSphere variables 			10002								
Shared libraries Benlication domains		-	10039								
Naming		<u>*</u>	10029								
System administration		<u>*</u>	10032								
		<u>*</u>	81								
Monitoring and Tuning	Total (8	·								
Troubleshooting											

4. Save your changes.

Generate the Web Server Plug-in for wp_profile

To use an external http port to access the portal, you must generate the plugin file with the new changes.

1. From the portal administration console select Servers, Web servers. Select webserver81 which we just created above and click the generate plugin button.

Integrated Solutions Console Welcome wpsadmin						Help	Logout
View: All tasks	Cell=DEN	PBDS11, Profile=wp	_profile				
- Welcome	Web serv	/ers				?	-
Guided Activities		- Mess	ages				
Servers		⊡- P	LGC0005I: Plug-in configuration fi	le =			
Server Types		2:\1 cfg.>	cml cml	ells\DENPBDS11\nodes\D	ENPBDS11\servers\webserver81\plu	gin-	
 WebSphere application servers 		Ūr P	LGC0052I: Plug-in configuration fi	le generation is complete	for the Web server.		
WebSphere MQ servers		DENI	PBDS11.DENPBDS11.webserver81.				
web servers							
	Webs	ervers					
	Use th	is page to view a lis	t of the installed Web servers.				
Resources	🕀 Pre	ferences					
Gecurity	Gen	erate Plug-in Propa	gate Plug-in New Delete Tem	plates Start Stop	Terminate		
Environment	D	6 # 7					
 Virtual hosts Update global Web server plug-in configuration 	Select	Name 💠	Web server Type 💲	Node 🗘 _	Host Name 🗘 _	Version 🛟	Status ሷ
WebSphere variables	You d	an administer the fo	ollowing resources:				
 Shared libraries Replication domains 		webserver81	IBM HTTP Server	DENPBDS11	DENPBDS11.mlab.jdedwards.com	ND 7.0.0.11	8
	Total	1					
System administration							



2. From the portal administration console select Servers -> Web servers. Select webserver81 which we just created above and click the propagate plugin button. Note the location of the new plugin that is displayed in the messages section when the generation and propagation completes.

Integrated Solutions Console Welcome wpsadmin						Help	Logout
View: All tasks	Cell=DEN	PBDS11, Profile=wp_pr	ofile				
- Welcome	Web serv	rers				?	-
Guided Activities Guided Activities Subscript Activities Subscrites Subscript Activities Subscript Activities Sub		Messages	5				
		PLGO Z:\IBM\\	0062I: The plug-in configuration WebSphere\wp_profile\config\c	on file is propagated from ells\DENPBDS11\nodes\D	י ENPBDS11\servers\webserver81\plu	igin-	
Server Types WebSphere application servers WebSphere MQ servers Web servers		Cfg.xml	to Z:\IBM\HTTPServer\Plugins` 0048I: The propagation of the 511.DENPBDS11.webserver81.	\config\webserver81\plugi	in-cfg.xml on the Web server comp is complete for the Web server.	uter.	
	Web s	ervers					
Services	Use th	is page to view a list of	the installed Web servers.				
Resources	+ Pre	ferences					
Security	Gen	erate Plug-in Propagate	Plug-in New Delete Tem	plates Start Stop	Terminate		
Environment		6 # #					
 Virtual hosts Update global Web server plug-in configuration 	Select	Name 🛟	Web server Type 💲	Node 🗘 _	Host Name 🛟 _	Version 🗘	Status ሷ
 WebSphere variables 	You d	an administer the follow	ing resources:				
 Shared libraries Replication domains 		webserver81	IBM HTTP Server	DENPBDS11	DENPBDS11.mlab.jdedwards.com	ND 7.0.0.11	*
	Total	1					
System administration							

- 3. Open the httpd.conf file for editing.
- 4. Add a line for a Listen directive for the external port selected above. For example: Listen 81
- 5. Locate the entry in the httpd.conf file with the path to the plugin-cfg.xml file. Verify that the path points to the location of the file generated above. If not, change the path to match the file location.

WebSpherePluginConfig "/u01/IBM/HTTPServer/Plugins/config/wps7httpserver/plugin-cfg.xml"

6. Restart both the Web server (i.e webserver81) and the WebSphere_Portal servers.

Installing the JD Edwards Collaborative Portal

Once the Portal Server is running, you must install the Collaborative Portal, which provides the JD Edwards EnterpriseOne Interface and Portlet Deployment Structure.

Refer to the JD Edwards EnterpriseOne Tools IBM WebSphere Portal Reference Guide



8 Appendix A - Start and Stop Portal Servers

Start and Stop Portal Servers

Beginning with Tools release 8.97, management of the application servers can be performed through the JD Edwards EnterpriseOne Server Manager application. This is the recommended method for starting, stopping and configuring application and portal servers. For additional information about Server Manager, refer to the JD Edwards EnterpriseOne Tools Server Manager Guide .

The collaborative portal can also be managed through the WebSphere Administration Server and command line commands like previous releases. This remains the only option for JD Edwards EnterpriseOne Xe and ERP8 installations.

Refer to the following Knowledge Document E1: SVM: WebSphere 7.0.0.11 Secure Profile, Server Manager Unable to Detect Status of Servers Correctly (Doc ID 1262748.1) in order for Server Manager to detect the status of WebSphere_Portal server correctly.

CAUTION: The Portal is installed with its own profile which, by default, is wp_profile. When starting and stopping server1 for portal and the WebSphere_Portal server, it is necessary to be in the wp_profile/bin directory. Portal services cannot be managed using the WAS default profile from the profiles/default/bin directory.

Starting and Stopping the WebSphere Portal Administration Server (server1)

To locate the scripts to start and stop the WebSphere Portal Administration Server (server1), navigate to this directory:

X:\IBM\WebSphere\AppServer\profiles\<PROFILE NAME>\bin

Starting server1 (Portal Administration Server)

From the above specified /bin directory, you can start server1 by entering this command:

startServer server1 -user wpsadmin -password wpsadmin

Optionally the server can be started from Windows Services applet (services.msc).

Note: The security user credentials will not be required if you have correctly configured the credentials in the soap.client.props file. This is also a pre-requisite for Server Manager.



Stopping server1 (Portal Administration Server)

From the above specified /bin directory, you can stop server1 by entering this command:

stopServer server1 -user wpsadmin -password wpsadmin

Optionally the server can be stopped from Windows Services applet (services.msc).

Note: The security user credentials will not be required if you have correctly configured the credentials in the soap.client.props file. This is also a pre-requisite for Server Manager.

Starting and Stopping the WebSphere Portal Server

To locate the scripts to start and stop the WebSphere Portal Server, navigate to this directory:

X:\IBM\WebSphere\AppServer\profiles\<PROFILE NAME>\bin

Starting the WebSphere Portal Server

From the above specified /bin directory, you can start the WebSphere Portal Server by entering this command:

startServer WebSphere_Portal

Optionally the server can be started from Windows Services applet (services.msc).

Note: The security user credentials will not be required if you have correctly configured the credentials in the soap.client.props file. This is also a pre-requisite for Server Manager.

Note: The security user credentials will not be required if you have correctly configured the credentials in the soap.client.props file. This is also a pre-requisite for Server Manager.

Stopping WebSphere Portal Server

From the above specified /bin directory, you can stop the WebSphere Portal Server by entering this command:

stopServer WebSphere_Portal -user wpsadmin -password wpsadmin

Optionally the server can be stopped from Windows Services applet (services.msc).



Note: The security user credentials will not be required if you have correctly configured the credentials in the soap.client.props file. This is also a pre-requisite for Server Manager.



9 Appendix B - Example of a PortalUsers.ldif File

Example of a PortalUsers.ldif File

This appendix provides an example of a PortalUsers.ldif file. You should edit this file using your company information.

Note: You can find the PortalUsers.ldif template file from the Portal Setup CD.

```
version: 1
# NOTE: you must edit this file before importing it and replace all
# occurrences of the default suffix "dc=yourco,dc=com" with the suffix
# that your LDAP server is configured for.
dn: dc=denver, dc=oracle, dc=com
objectclass: domain
objectclass: top
# Add lines according to this scheme that correspond to your suffix
dc: dc=denver, dc=oracle, dc=com
dn: cn=users,dc=denver,dc=oracle,dc=com
objectclass: container
objectclass: top
cn: users
dn: cn=groups,dc=denver,dc=oracle,dc=com
objectclass: top
objectclass: container
cn: groups
dn: uid=wpsadmin, cn=users, dc=denver, dc=oracle, dc=com
objectclass: organizationalPerson
objectclass: person
objectclass: top
objectclass: inetOrgPerson
uid: wpsadmin
userpassword: wpsadmin
sn: admin
givenName: wps
cn: wps admin
dn: uid=wasadmin, cn=users, dc=denver, dc=oracle, dc=com
objectclass: organizationalPerson
objectclass: person
objectclass: top
objectclass: inetOrgPerson
uid: wasadmin
userpassword: wasadmin
sn: admin
givenName: was
cn: was admin
```



```
dn: uid=wpsbind, cn=users, dc=denver, dc=oracle, dc=com
objectclass: top
objectclass: person
objectclass: organizationalPerson
objectclass: inetOrgPerson
uid: wpsbind
userpassword: wpsbind
sn: bind
givenName: wps
cn: wps bind
dn: cn=wpsadmins, cn=groups, dc=denver, dc=oracle, dc=com
objectclass: groupOfUniqueNames
objectclass: top
uniquemember: uid=wpsadmin, cn=users, dc=denver, dc=oracle, dc=com
cn: wpsadmins
dn: cn=wpsContentAdministrators,cn=groups,dc=denver,dc=oracle,dc=com
objectclass: groupOfUniqueNames
objectclass: top
uniquemember: uid=wpsadmin, cn=users, dc=denver, dc=oracle, dc=com
cn: wpsContentAdministrators
dn: cn=wpsDocReviewer, cn=groups, dc=denver, dc=oracle, dc=com
objectclass: groupOfUniqueNames
objectclass: top
uniquemember: uid=wpsadmin, cn=users, dc=denver, dc=oracle, dc=com
cn: wpsDocReviewer
dn: cn=wcmadmins, cn=groups, dc=denver, dc=oracle, dc=com
objectclass: groupOfUniqueNames
objectclass: top
uniquemember: uid=wpsadmin, cn=users, dc=denver, dc=oracle, dc=com
cn: wcmadmins
```

10 Glossary

DBCA

An abbreviation for Database Configuration Assistant.

JAR file

JAR files are a Java Archive and are built based on the ZIP file format and use the .jar file extension. This format is typically used to combine Java class files and associated metadata and resources into one file that can distribute application software or libraries for the Java platform.

JDBC

An abbreviation for Java Database Connectivity. The JDBC Connector is a program that allows different databases to be accessed by Java application servers that are run on the J2EE platform.

LDAP directory

LDAP is an abbreviation for Lightweight Directory Access Protocol. This directory is a data store for user data, such as the user ID, password, and user name.

MTR

An abbreviation for Minimum Technical Requirements.

WAR file

A WAR file is a Web application ARchive is a JAR file used to for the distribution of JavaServer Pages, Java Servlets, Java classes, XML files, tag libraries and static Web pages that comprise a Web application.



WAS

An abbreviation for WebSphere Application Server.

