WebSphere. IBM WebSphere Dynamic Process Edition Version 6.2





Standalone Server Installation Guide

Fifth Edition (December 2008)

This edition applies to version 6, release 2 of IBM WebSphere Business Services Fabric and to all subsequent releases and modifications until otherwise indicated in new editions.

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WebSphere Dynamic Process Edition Stand-alone installation

Introduction

WebSphere Dynamic Process Edition provides dynamic BPM capabilities to assemble and manage composite business applications.

The WebSphere Dynamic Process Edition stand-alone installation guide provides the business context for the software that will be installed and configured. This software supports process optimization across heterogeneous, dynamic, transaction-rich environments, requiring enterprise-wide integration capabilities and SOA.

WebSphere Dynamic Process Edition provides dynamic BPM capabilities to assemble and manage composite business applications, which:

- Increases responsiveness to changing business needs through dynamic service selection and policy-driven composite applications
- Enables faster process change and easier maintenance through policy configuration instead of coding and redeployment
- Flexibly aggregates business functionality from disparate legacy, third-party, custom, and packaged systems to increase service reuse
- Extends and enhances existing IT capabilities without requiring time-consuming and costly IT system "rip and replace" projects
- Includes optional IBM Industry Content Packs that reduce time to market, simplify interoperability, and drive industry standards compliance.

This installation information in this guide supports the typical set of server runtime products shipped together in WebSphere Dynamic Processes Edition.

Use the WebSphere Dynamic Processes Edition client installer to install the development products that are used in concert with the server runtime products. The WebSphere Dynamic Processes Edition client installer is documented in a separate installation guide.

WebSphere Dynamic Process Edition architecture

The WebSphere Dynamic Process Edition architecture diagram illustrates the logical functions that exist in the environment (and can be optionally integrated with) and the new logical functions that will be working once the stand-alone installation is complete.

The WebSphere Dynamic Process Edition architecture diagram helps create understanding of what function the installation topology should focus on providing.

Review the following diagram to gain an understanding of major elements of the IT system that can be deployed for a the topology, and their connections. Use the diagram as a foundation or starting point for a conceptual understanding of a solution design system topology, and the product mapping information can be used in physical level of the system topology diagram.



Planning your installation

Installing WebSphere Dynamic Process Edition requires the correct required software, as well as the correct prerequisite software.

Planning information includes a listing of the appropriate software with links to product resources, as well as a description of the system environment that will be installed and the system requirements.

Software requirements

You must have the appropriate software versions available for installation.

The following table lists the installation and the software requirements for the WebSphere Dynamic Process Edition installation.

The **Information resources** column of the table provides links to product information pages for the products that are part of WebSphere Dynamic Process Edition.

Table 1. WebSphere Dynamic Process Edition server runtime products and associated information resources

WebSphere Dynamic Process Edition Server runtime products	Information resources
WebSphere Service Registry and Repository Version 6.2.0.2	WebSphere Service Registry and Repository resources
WebSphere Business Services Fabric Version 6.2	WebSphere Business Services Fabric resources
WebSphere Process Server Version 6.2	WebSphere Process Server resources
WebSphere Application Server Version V6.1.0.21	WebSphere Application Server resources
DB2 Enterprise Server Edition V9.5	DB2 Product Information Center
WebSphere Business Monitor Version 6.2	WebSphere Business Monitor resources

High-level physical topology

The high-level physical topology is represented by a diagram that shows the systems (server runtime and development), operating system, space requirements and software needed for WebSphere Dynamic Process Edition.

It can help you confirm that this is a system topology you are interested in and helps you with high-level planning of resource requirements such as a number of systems.



The diagram illustrates the systems, operating systems, and software needed.

The installation instructions for the development tools that are used in conjunction with WebSphere Dynamic Process Edition server runtime products are described in the client installation documentation.

Installation sequence and system specifications

The WebSphere Dynamic Process Edition stand-alone topology consists of several server runtime products.

The information explicitly states the install order that is the organizing principle of the installation documentation.

WebSphere Dynamic Process Edition Server runtime node

The WebSphere Dynamic Process Edition Server runtime node hosts the runtime products and has the following specifications:

- Minimum memory needed: 3 GB
- Disk space: 42 GB
- · Installed operating system: Windows Server 2003 Standard Edition, SP2

The server runtime products are installed manually in the following order:

- 1. DB2 Enterprise Server Edition
- 2. WebSphere Process Server (WebSphere Application Server installs with WebSphere Process Server)
- 3. WebSphere Service Registry and Repository
- 4. WebSphere Business Services Fabric
- 5. WebSphere Business Monitor

Installing your software

You install the software using the installation wizard in graphical interface mode.

You can obtain the software product files in two ways, from the disks in the product package or by downloading installation images from the Passport Advantage[®] site, if you are licensed to do so.

This section includes instructions on installing the server runtime products for WebSphere Dynamic Process Edition. It is assumed that you have already installed the prerequisite products.

Install the products in the following sequence:

- 1. DB2 Enterprise Server Edition
- 2. WebSphere Process Server

Includes WebSphere Application Server.

- 3. WebSphere Service Registry and Repository
- 4. WebSphere Business Services Fabric
- 5. WebSphere Business Monitor

DB2 Enterprise Server Edition

DB2 Enterprise 9 is the ideal data server for the most demanding workloads.

DB2 Enterprise 9:

- Easily scales to handle high volume transaction processing
- Reduces storage needs by up to 80% using industry unique automatic deep compression capabilities
- Manages performance for mixed workloads according to your priorities
- Reduces risk of unauthorized access with an innovative label based security model
- · Maximizes data availability by reducing planned and unplanned downtime

DB2 Enterprise 9 needs to be installed since it is a prerequisite for WebSphere Service Registry and Repository, WebSphere Process Server, WebSphere Business Services Fabric, and WebSphere Business Monitor.

Installing DB2 Enterprise Server Edition 9.5 Fix Pack 2a

You install the software using the installation wizard. You can obtain the DB2 Enterprise Server Edition 9.5 product files in two ways, from the disks in the product package or by downloading installation images from the Passport Advantage[®] site, if you are licensed to do so.

You have obtained the product files.

Fix Pack 2 is obtained the IBM Support page Recommended Fixes link.

The screen captures are included to make it easier to follow the step instructions.

The step instructions are included to provide the specific task you need to perform and any information needed to perform the task (such as directory locations, parameters to enter, etc.)

Hints and tips are included to assist with difficult steps.

- 1. Launch setup.exe.
- 2. From the Welcome to DB2 Version 9.5 Fix Pack 2 page, click Install a Product.



3. From the Install a Product page, click Install New.

🥹DB2 Setup Launchpad - Mozilla Fi	refox _ 🗆 🗙
<u>Eile E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmar	ks Iools Help
 	file:///E:/workarea/DB29.52a/SERVER/db2/Windows/HTML/en_US/LP_install. Image: Complete Com
🌮 Getting Started 🔯 Latest Headline	15
Information Management software	IBM. 📥
Welcome Installation Prerequisites	Install a Product Click Install New to launch the DB2 Setup wizard for the desired product and to install the product
Release Notes Migration Information	to a new location. If you want to upgrade, migrate, or add features to an existing product, click Work with Existing. You can also launch other product installations by clicking Install for the corresponding product.
Install a Product +	DB2 Enterprise Server Edition Version 9.5 Fix Pack 2
Exit	DB2 Enterprise Server Edition is designed to meet the data server needs of mid- to large-size businesses. It can be deployed on Linux, UNIX, or Windows servers of any size, from one CPU to any number of CPUs. DB2 Enterprise Server Edition is an ideal foundation for building on demand enterprise-wide solutions, such as large data warehouses of multiple terabyte size or high performing 24x7 available high volume transaction processing business solutions, or Web-based solutions. DB2 Enterprise Server Edition incorporates a native XML data store and delivers flexible access to XML data using XQuery, XPath, SQL, and standard reporting tools. Optional features for DB2 Enterprise Server Edition are available that provide additional advanced product capabilities in areas such as database partitioning, performance, security, data federation, and database administration. Please see http://www.ibm.com/db2 for more information.

4. From the DB2 Setup Wizard page, click Next.

🙀 DB2 Setup - DB2 Enterprise Server Edition	n - DB2COPY1 X
Information Management software	
	Welcome to the DB2 Setup wizard for DB2 Enterprise Server Edition, Version 9.5
	The DB2 Setup wizard will install DB2 Enterprise Server Edition on your computer. To continue, click Next.
	java_
	© Copyright International Business Machines Corporation, 1993, 2007. All Rights Reserved.
	Next > Cancel

5. From the Software License Agreement page, accept the license agreement and click **Next**.

DB2 Setup - DB2 Enterprise Server Edition	1 - DB2COP¥1			
Software License Agreement Please read the following license agreement ca	refully.			
	~			
Two license agreements are presented	below.			
 IBM International License Agreement IBM International Program License A 	for Evaluation of greement	Programs		
If you are obtaining the Program for purp or buy," or demonstration): By clicking o Program License Agreement, without m	ooses of productiv on the "Accept" b odification.	re use (other than e utton below, You a	evaluation, testing accept the IBM Int	, trial "try ternational
If you are obtaining the Program for the (collectively, an "Evaluation"): By clickir International License Agreement for Eva	purpose of evaluang on the "Accept Iluation of Program	tion, testing, trial " " button below, Yo ns (the "Evaluation	try or buy," or de u accept both (i) License"), witho	monstration the IBM ut 🗨
Read non-	-IBM terms,			
I accept the terms in the license agreement; I do not accept the terms in the license agreement;	eement			
talShield				241
	Print	< <u>B</u> ack	<u>N</u> ext >	Cancel

6. From the Select the installation type page, select **Typical**.

• <u>Typical</u> :	Approximately 590 - 800 MB
C Compact:	Approximately 340 - 550 MB
C Custom:	Approximately 340 - 990 MB
To add features Custom.	s for application development and other optional functionality later in the setup process, click
	View Features

7. From the Select the installation, response file creation, or both page, select **Install DB2 Enterprise Server Edition on this computer and save my settings in a response file** and click **Next**.

🚏 DB2 Setup - DB2 Enterprise Server Edition - DB2COPY1	
Select the installation, response file creation, or both	
The DB2 Setup Wizard can install DB2 Enterprise Server Edition on this computer, create a response file that you can use to install this product on a computer later, or both.	
If you are setting up a DB2 Enterprise Server Edition (ESE) partitioned database environment, you can also create a response file to install DB2 on the other computers that will act as database partition servers.	
C Install DB2 Enterprise Server Edition on this computer	
 Save my installation settings in a response file No software will be installed on this computer. 	
Install DB2 Enterprise Server Edition on this computer and save my settings in a response file	
Response file name C:\Documents and Settings\herness\My Documents\PROD_ESE.rsp	
InstallShield	1
< <u>B</u> ack <u>Next</u> Cancel	Help

8. From the Select the installation folder page, select the directory and click Next.

The DB2 Setup	wizard installs DB2 Enterp	rise Server Edition in the following (folder. To select a different folder, click
Change or type	a directory.		
Directory	C:\Program Files\IBM	I\SQLLIB\	<u>C</u> hange
	Space required:	868 MB	Disk space

9. From the Set user information for the DB2 Administration Server page, enter a User name and Password and click **Next**.

Specify the r	ninistration Server (DAS) runs on your comp required user information for the DAS.	outer to provide support required by the DB2 tools.
	User information	
	Domain	None - use local user account
	User name	db2admin
	Password	жжжжжж
	Confirm password	****

10. From the Configure DB2 instances page, select DB2 and click Next.

Joinig	ure DB2 instances
Tİ th	re following instances will be created during installation. You can customize the configurations by clicking on I configure button.
	DP2 Instances
	DB2
	<u>Configure</u>
	Instance description
	The default instance, DB2, stores application data.
	You can build a partitioned database environment by installing DB2 Enterprise Server Edition on other computers, and specify that these computers participate in the default instance.

11. From the Prepare the DB2 tools catalog page select Next.

🙀 DB2 Setup - DB2 Enterprise Server Edit	tion - DB2COPY1		
Prepare the DB2 tools catalog			
The DB2 tools catalog must be create schedule common tasks such as back	d in order to use the Tas ups. The DB2 tools catalo	k Center and scheduler. The g must be stored in a DB2 d	se tools allow you to atabase.
Prepare the DB2 tools catalog			
Instance	DB2	*	
Database			
G New	TOOLSDB		
C Existing	[]
Schema			
€ Ne <u>w</u>	SYSTOOLS		
C Existing	Γ λ		1
InstallShield	1	[
	< <u>B</u> ack	Next >	Cancel Help

12. From the Set up notifications page, deselect the checkbox **Set up your DB2 server to send notifications** and click **Next**.

ou can set up your DB2 server to au atabase needs attention. The conta nauthenticated SMTP server to send	tomatically send e-mail or pager notifications to alert administrators ct information is stored in the administration contact list. You need these notifications.	; when a an
f you do not set up your DB2 server dministration notification log.	to send notifications at this time, the health alerts are still recorded	l in the
Set up your DB2 server to send	officialized	
Notification SMTP server	news.rchland.ibm.com	
Administration contact list locat	on-	
Administration contact list locat	on	
Administration contact list locat	on ist on this computer contact list on another DB2 server	

13. From the Enable operating system security for DB2 objects page, click Next.

记 DB2 Setup - DB2 Enterprise Server Edition - DB	2COPY1	×
Enable operating system security for D	B2 objects	
Specify if you would like to enable operating sy objects on your computer. If you enable this so the groups specified below.	ystem security for DB2 files, folders, registry keys, and other ecurity, operating system access to DB2 objects will be limited to	
Note: The DB2 Setup wizard has detected that	t the group names shown below already exist on your computer.	
🔽 Enable operating system security		
Information on the DB2 administrator	rs group and DB2 users group is available by clicking Help.	
-DP2 administrators aroun		
Domain	None - use local group	
Contain		
Group name	DB2ADMN5	
DB2 users group		
Domain	None - use local group	
Group name	DB2USERS	
InstallShield		
	<back next=""> Cancel</back>	Help

14. From the Warning that displays, click OK.

Warning	×
The group name "DB2ADMN5, DB2USERS" already exists in the syste the operating system. Click OK to continue the installation, or click C	m and will be granted complete access to DB2 folders and objects through ancel to input another group name.
	Cancel

15. From the Start copying files and create response file page, click Finish.

The DB2 Setup wizard has enough information to create the response file and start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, type the response file name and click Finish to begin copying files. Current settings: Current settings: Product to install: DB2 Enterprise Server Edition - DB2COPY1 Installation type: Typical DB2 copy name: DB2COPY1 Set as default DB2 copy: Yes Set as default IBM database client interface copy: Yes Selected features: XML Extender DB2 Text Search SQLJ Support Sample database source Replication topls	Start copying files and create resp	oonse file	
Current settings: Product to install: DB2 Enterprise Server Edition - DB2COPY1 Installation type: Typical DB2 copy name: DB2COPY1 Set as default DB2 copy: Yes Set as default IBM database client interface copy: Yes Selected features: XML Extender DB2 WMI Provider DB2 Text Search SQLJ Support Sample database source Replication tools	The DB2 Setup wizard has enough inform If you want to review or change any set response file name and click Finish to be	nation to create the response file and start copying the program files. tings, click Back. If you are satisfied with the settings, type the gin copying files.	
DB2 copy name: DB2COPY1 Set as default DB2 copy: Yes Set as default IBM database client interface copy: Yes Selected features: XML Extender DB2 WMI Provider DB2 WMI Provider DB2 Text Search SQLJ Support Sample database source Replication tools	Current settings: Product to install: Installation type:	DB2 Enterprise Server Edition - DB2COPY1 🔺 Typical	
Selected features: XML Extender DB2 WMI Provider DB2 Text Search SQLJ Support Sample database source Replication tools	DB2 copy name: Set as default DB2 copy: Set as default IBM database o	DB2C0PY1 Yes client interface copy: Yes	
	Selected features: XML Extender DB2 WMI Provider DB2 Text Search SQL I Sunnort		

16. From the Setup is complete page, click **Next**.

DB2 Setup - DB2 Enterprise Server	Edition - DB2COPY1
	Setup is complete
	DB2 Setup wizard has finished copying files to your computer and has completed all the required system configuration tasks. Shut down all software programs running on the system now. The programs can then be restarted and DB2 will be ready for use. The install log is located in C:\Documents and Settings\herness\My Documents\DB2LOG\DB2-ESE-Fri Nov 07 09_07_58 2008.log. Consult the log file to ensure that all tasks completed successfully.
	If you have not already done so, it is recommended that you complete the post-install steps after installation.
	Required steps:
	You have enabled DB2 extended Windows security. You must add DB2 users that need to run DB2 local applications or tools to either the DB2ADMNS or DB2USERS group.
	You can connect to the DB2 instance DB2'' using the port number "50000". Record it for future reference.
	Click Next to install additional products.
	Click Next to install additional products.

17. From the Install additional products page, click Finish.

DB2 Setup - DB2 Enterprise Serv	ver Edition - DB2COPY1	
	Install additional products	
	You can optionally install any of the following products by clicki Install button.	ng the corresponding
	IBM Database Add-Ins for Visual Studio	In <u>s</u> tall
	development support for .NET applications directly in Visual St 2005 and Visual Studio 2008.	udio
	Click Finish to exit the DB2 Setup wizard.	
	▶	
	< <u>B</u> ack <u>Einish</u>	

18. From the DB2 First Steps prompt page, select **Do not create profile**.



19. From the First steps welcome page, click Exit.



20. Open a DB2 Command prompt.



21. Run the command db2stop/db2start.

C:\Documents and Settings\herness>db2stop 11/07/2008 12:43:43 0 0 SQL1064N DB2STOP processing was successful. SQL1064N DB2STOP processing was successful.
C:\Documents and Settings\herness>db2start 11/07/2008 12:43:48 0 0 SQL1063N DB2START processing was successful. SQL1063N DB2START processing was successful.

Now you can verify the DB2 installation.

Verifying the installation of DB2 Enterprise Server Edition 9.5 Fix Pack 2a

Verify the installation by checking settings and behavior to ensure the software is running.

Verification step instructions provides quick understanding of what to check to make sure the software is running properly.

1. Make sure that DB2 9.5.2 is installed by typing **db2level** in a Windows command prompt:

💽 Command Prompt
Microsoft Windows [Version 5.2.3790] (C) Copyright 1985-2003 Microsoft Corp.
C:\Documents and Settings\Administrator>db2level DB21085I Instance "DB2" uses "32" bits and DB2 code release "SQL09052" with level identifier "03030107".
Informational tokens are "DB2 v9.5.200.315", "s080811", "WR21411", and Fix Pack "2".
Product is installed at "C:\PROGRA~1\IBM\SQLLIB" with DB2 Copy Name "DB2COPY1".

- 2. From the Start menu, open the DB2 control center.
- 3. The DB2 Control Center should display:

Now you are ready to install WebSphere Process Server.

WebSphere Process Server

WebSphere Process Server is required prerequisite software for WebSphere Business Services Fabric.

WebSphere Process Server is a high-performance business engine to help form processes that meet your business goals.

Built on open standards, it deploys and executes processes that orchestrate services (people, information, systems, and trading partners) within your service-oriented architecture (SOA) or non-SOA infrastructure.

WebSphere Process Server:

- Extends the value of core applications and databases by centralizing business processes and sharing them across the enterprise, enabling businesses to maximize resources and increase ROI
- Helps cut costs by enabling flexible business processes with reusable assets, reducing the need to hard-code changes across multiple applications when making changes to existing processes or creating new ones
- Ensures compliance with regulations and internal requirements by that business operations run precisely as documented
- Ensures process integrity to accommodate transaction intensive processes, while providing the scalability, reliability and flexibility needed for future business needs Strong support for human workflow and enables rapid process changes, providing business agility and enabling you to leverage resources efficiently.

Installing WebSphere Process Server 6.2

You install the software using the installation wizard. You can obtain the WebSphere Process Server 6.2 product files in two ways, from the disks in the

product package or by downloading installation images from the Passport Advantage[®] site, if you are licensed to do so.

This task describes how to install WebSphere Process Server.

The screen captures are included to make it easier to follow the step instructions.

The step instructions are included to provide the specific task you need to perform and any information needed to perform the task (such as directory locations, parameters to enter, etc.)

- 1. Run the launchpad.exe.
- 2. From the WebSphere Process Server Launch pad page, select **IBM WebSphere Process Server installation**.

🖄 IBM WebSphere Process Server 6.2		_ 🗆 ×
WebSphere. Process Server	Launchpad	IBM.
	Language selection: English	_
Welcome	<u> </u>	-
IBM WebSphere Process Server installation	Welcome	
IBM WebSphere Process Server database scripts	IBM® WebSphere® Process Server for Multiplatforms, Version 6.2 is an integrated	
Message service clients installation	process automation and management	
Additional software installation	technology, it is built on top of WebSphere Application Server Network Deployment. It	
IBM Update Installer for WebSphere Software installation	also contains additional supporting software and documentation. This	
IBM WebSphere Installation Factory	launchpad serves as a single point of reference for installing your WebSphere Process Server environment.	
IBM WebSphere Process Server Help System installation	→ IBM WebSphere Process Server	
IBM Support Assistant installation	All you need to get WebSphere Process	
Exit	 ✓ IBM WebSphere Process Server 	-

3. Select Launch the Installation wizard for WebSphere Process Server for Multiplatforms.



4. From the Welcome to the WebSphere Process Server Installation wizard page page, click **Next**.

	Welcome to the IBM WebSphere Process Server 6.2 Installation Wizard
WebSphere, softwar	This wizard installs IBM WebSphere Process Server 6.2 on your computer. For more information, see the information center.
	Click Next to continue.

5. From the Software license agreement page, accept the terms and click Next.

μ	Software License Agreement
-	Please read the following license agreement carefully.
WebSphere, softw	are International License Agreement for Early Release of Programs
Super-	Part 1 - General Terms
Bit	THIS INTERNATIONAL LICENSE AGREEMENT FOR EARLY RELEASE OF PROGRAMS ("AGREEMENT") IS A LEGAL
	Read non-IBM terms
	Accept both the IBM and the non-IBM terms
3	C I do not accept the terms in the license agreement
X	Print Print
tallShield	
	< Pack Next > Cancel

6. From the System Prerequisites check page, click Next.

IBM WebSphere Process	s Server 6.2
WebSphere, software	System Prerequisites Check Passed: Your operating system completed the prerequisites check successfully. Your operating system meets or exceeds the requirements for this product. See the WebSphere Process Server detailed system requirements. Web pages for more information about supported operating systems. Go to the product support. Web pages to obtain the latest maintenance packages to apply after installation. The installation wizard also checks for existing installations of WebSphere Application Server, WebSphere Process Server, and WebSphere Enterprise Service Bus. To have more than one installation of WebSphere Application Server running on the same machine, unique port values must be assigned to each installation. Otherwise, only one installation of WebSphere Application Server can run.
etallChield	 Installations of WebSphere Application Server prior to Version 6.1 may not be found reliably. Installations of WebSphere Application Server, WebSphere Process Server, and WebSphere Enterprise Service Bus that are not registered with the operating system may not be found reliably. Click Next to continue the installation.
	< <u>B</u> ack <u>Next > C</u> ancel

7. From the WebSphere Process Server Installation Type Selection page, select **Typical installation** and click **Next**.



8. From the Features Selection page, click Next.

-	Features Selection
WebSphere, software	Select IBM WebSphere Process Server features to install. See the information center for descriptions of the features.
	WebSphere Process Server samples
X	The samples include both source code files and integrated enterprise applications that demonstrate some of the latest Java (TM) 2 Platform, Enterprise Edition (J2EE) and WebSphere technologies. The Samples are recommended for installation to learning and demonstration environments, such as development environments. However, they are not recommended for installation to production server environments.

9. From the WebSphere Process Server product location directory page, accept the default directory into which WebSphere Process Server will be installed, or browse to a directory of your choice and then click **Next**.

WebSphere, software	Installation Root Directory for WebSphere WebSphere Process Server will be instal directory. You can specify a different direct select a directory. Product installation location:	re Process Server lled to the specified story or click Browse to
Part	C:WebSphere\ProcServer	
		Browse
stallShield	< <u>B</u> ack <u>N</u> ext	> <u>C</u> ancel

10. From the WebSphere Process Server Environments page, select **None** and click **Next**.

Stand-alone server Deployment manager Custom None Description WebSphere Process Server requires at least one profile to be	here, software	VebSphere Process Server Environments Select the type of WebSphere Process Server environment to create during installation. Although only one environment type can be chosen, additional profiles can be created after installation using the Profile Management Tool
Description WebSphere Process Server requires at least one profile to be		3tand-alone server Deployment manager Custom
functional. Select this option only if one or more profiles will be created using the Profile Management Tool after installation.		None Description WebSphere Process Server requires at least one profile to be functional. Select this option only if one or more profiles will be created using the Profile Management Tool after installation.

11. From Warning dialog, select Yes.



12. From the Installation Summary page review the information on what products will be installed and click **Next**.

to change values on bSphere Process
nere\ProcServer62 r k Deployment with nere\ProcServer62

13. From the Installation Results page, make sure the option for **Creating a new WebSphere Process Server profile using the Profile Management Tool** is checked and click **Finish**.



14. From the Profile Management Welcome page, read the information on Profiles and select **Next**.

Welcome to the Profile Manageme	nt tool
Important information for Version 6.1	
his wizard creates run-time environments that a unctional installation.	re referred to as <i>profiles</i> . At least one profile must exist to have a
In initial profile is created during the installation j ontain a set of commands, configuration files, lo a single application server environment. See the online information center for more inform ypical topologies for application servers.	process. Use this wizard to create additional profiles that each og files, deployable applications and other information that defines nation about the Profile Management tool or about setting up
WebSphere Application Server - Online Infor	mation center link
WebSphere Process Server - Online informat	tion center link
	R

15. From the Environment Selection page, select **WebSphere Process Server** as your environment and click **Next**.

🏟 Profile Management Tool	_ 🗆 🗙
Environment Selection	i j
Select the type of environment to create. Environments:	-
Cell (deployment manager and a federated application server) Deployment manager Application server Custom profile 	
Description WebSphere Process Server is the next generation business process integration server that has a from proven business integration concepts, application server technologies, and the latest open standards.	wolved
< <u>Back</u> <u>M</u> ext > Einish	Cancel

16. From the Profile Type Selection page, select **Stand-alone process server profile** and click **Next**.

rofile Type Sele	ection				
elect a profile type for grofile Types:	the WebSphere Proc	ess Server enviror	iment.		-
) Deployment manager p Stand-alone process se	profile erver profile				
Custom profile					
	Þ				
Description	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	*			
A WebSphere Process	Server stand-alone (administrative conso	environment runs y le and functions in	our enterprise app dependently from a	lications. This serv all other process se	veris ervers.
manageu rrom its owi					
managed from its own					
managed from its own					

17. From the Profile Creation Options page, select the option for Advanced profile creation and click Next.

eds. Pick the Typical option to allow the Profile Management he profile. Pick the Advanced option to specify your own
It configuration settings. The Profile Management tool assigns a tool also assigns unique port values. The administrative led. You can optionally select whether to enable administrative a to run the process server depending on the operating gned to your user account. All required databases will be set to
ininguration sectings, or specify your own configuration values. optionally choose whether to deploy the administrative) server definition. You might have the option to run the on the operating system of your machine and the privileges

 From the Optional Application Deployment page, check the check boxes for Deploy the administrative console and Deploy the default application and then click Next.

🚯 Profile Management Tool			_ 🗆 🗵
Optional Application Deploymen	t		E g
Select the applications to deploy to the WebS	iphere Process Server	environment being created	i. 🔎
Install a Web-based administrative consol administrative console is recommended, b detailed steps for deploying it after the p	le that manages the a out if you deselect this rofile exists.	application server. Deployin s option, the information cer	g the nter contains
Deploy the default application.			
Install the default application that contain	ns the Snoop, Hello, a	nd HitCount servlets,	<u> </u>
	- N		

 From the Profile Name and Location page, enter a name in the Profile name field, choose the directory into which you will install the profile and click Next.

🚯 Profile Management Tool				
Profile Name and Location	n			E A
N				
Specify a profile name and directory as commands, configuration files, an	path to contai id log files. Clic	n the files for the k Browse to sele	run-time environi ct a different dire	ment, such 📩
Profile name:				
ProcSrv01				
Profile <u>d</u> irectory:				
C:\WebSphere\ProcServer62\prof	files\ProcSrv01			
				Browse
\Box <u>C</u> reate the server using the c	levelopment te	mplate.		
Select this option to create a s The development template rea powerful hardware. Do not us	server using co duces startup (se this option fo	nfiguration settin ime and allows th or production serv	gs optimized for c e server to run or rers.	levelopment
Important: Deleting the directory manageprofiles command to comp	a profile is in d pletely delete a	pes not completel a profile.	y delete the profi	le. Use the
	< Back	Next >	Finish	Cancel
		-		

20. From the Node, Host and Cell Names page, enter name values for Node, Host and Cells and click **Next**.

🚯 Profile Ma	nagement Tool	_ 🗆 🗙
Node, Hos	st, and Cell Names	i a
Specify a nod	e name, a host name, and a cell name for this profile.	-
N <u>o</u> de name:		
wps120Node	01	
Host name:		
wps120.rchl	and.ibm.com	
C <u>e</u> ll name:		
wps120Node	01Cell	
Node name: Host name:	A node name is used for administration. If the node is federated, the name unique within the cell. A host name is the domain name system (DNS) name (short or long) or the address of this computer.	e must be IP
Cell name:	A cell name is a logical name for the group of nodes administered by this deployment manager.	
For more info information ce	mation about profile naming and augmentation considerations, see the onli- inter.	ne 🧾
Online inform	ation center link	*
	< <u>Back</u> <u>Next</u> Einish	Cancel

21. From the Administrative Security page, enter a User name and Password and click Next.

🙀 Profile Management Tool	_ 🗆 ×
Administrative Security	i a
Choose whether to enable administrative security. To enable security, supply a user name password for logging into administrative tools. This administrative user is created in a reposite process server. After profile creation finishes, you can add more users, groups, or exterpositories.	and 🔺 itory wi ernal
User name:	
primaryAdmin	
Password:	
•••••	
Confirm password:	
•••••	
See the information center for more information about administrative security. Online information center link	•
< <u>B</u> ack <u>N</u> ext > Einish	Cancel

22. From the Port Values Assignment page, click Next.

🚯 Profile Management Tool		_ 🗆 🗡
Port Values Assignment		1
Activity was detected on these ports: 9060, 9043, 9 5061, 8880, 9401, 9403, 9402, 9100, 9353, 7276, 7	0080, 9443, 2809, 5060, 7286, 5558, 5578	
The values in the following fields define the ports for the other profiles in this installation. Another installation of 4 WebSphere Process Server, WebSphere Enterprise Server the same ports. To avoid run-time port conflicts, verify	e process server and do not WebSphere Application Serve vice Bus, or other programs r that each port value is uniqu	conflict with er, night use e.
Administrative console port (Default 9060): Administrative console secure port (Default 9043):	9060	
<u>H</u> TTP transport port (Default 9080): H <u>I</u> TPS transport port (Default 9443):	9080 🛨	
Bootstrag port (Default 2809):	2809	
SIP port (Default 5060): SIP secure port (Default 5061):	5060 ÷	
<u> </u>	<u>V</u> ext > Einish	Cancel

23. From the Windows Service Definition page, deselect the **Run the application server process as a Windows service** checkbox and click **Next**.

🚯 Profile Management Tool	
Windows Service Definition	a la
Choose whether to use a Windows service to run WebSph can start and stop WebSphere Process Server, and config	ere Process Server. Windows services 🔺 ure startup and recovery actions.
Run the application server process as a Windows servi	ce.]
Log on as a local system account.	
C Log on as a specified user account.	
∐ser name:	5
herness	
Bassword:	
Startup type:	
Manual	<u>v</u>
The user account that runs the Windows service must	have the following user rights:
- Log on as a service	<u> </u>
< <u>B</u> ack <u>N</u> e	xt > Enish Cancel

24. From the Web Server Definition page, deselect the **Create a Web server definition** checkbox and click **Next**.

🚯 Profile Management Tool	_ 🗆 X
Web Server Definition	ĝ
Optionally create a Web server definition if you use a Web server to route requests for dyn content to the application server. Alternatively, you can create a Web server definition fro the administrative console or a script that is generated during Web server plug-ins installati	namic 📥 m on.
Create a Web server definition	
Web server type:	
IBM HTTP Server	~
Web server operating system:	
Windows	
Web server name:	
webserver1	
Web server host name or IP address:	
wps120.rchland.ibm.com	
Web server port (Default 80):	
80	
	-
< <u>B</u> ack <u>N</u> ext > Einish Ca	incel

25. From the Business Process Choreographer Configuration page, uncheck Configure a sample Business Process Choreographer and click Next.

🚯 Profile Management	Tool			_ 🗆 ×
Business Process	Choreogra	pher Config	uration	B g
The sample Business Proc a secured mode, using the security configuration. A Note: This sample configu- plan to federate this profi- the sample Business Proc	ess Choreograp e same security Derby Embedde Iration is not rec le into a Networ ess Choreograph	her connects to settings supplied database will l commended for p k Deployment en her. The Derby	the service integr d during administr be used for this co production. Additi rvironment, do no metaded databa	ation bus in ative onfiguration. ionally, if you it configure ase used by
Configure a sample Bu	isiness Process	Choreographer	эріоутненс енчігої	
	< <u>B</u> ack	<u>N</u> ext >	Einish	Cancel

26. From the Business Space Configuration page, check Configure Business Space and select **Next**.

🚯 Profile Management Tool 👘				
Business Space Configu	ration			i a
Business Space powered by WebS lets application users customize co Management portfolio.	phere is a bro ntent from pro	wser-based gra oducts in the W	aphical user inter ebSphere Busine	face that 🛁
Important: If the Common datab WebSphere Enterprise Service Bus Space, a Derby Embedded databa federate this profile into a deployn supported for deployment environ	ase you use f does not mat se is used for nent environm ments,	or WebSphere the support configuring Bus ent, because D	Process Server ed databases fo iness Space, Yo verby Embedded	or Ir Business u cannot is not
Configure Business Space				
For more information about Busine information center.	ss Space and	its database su	ipport, see the c	online
				-
	: <u>B</u> ack	<u>N</u> ext >	Einish	Cancel

27. From the Business Rules Manager Configuration page, check **Configure the Business Rules Manager** and click**Next**.

🚯 Profile Managen	nent Tool			_ 🗆 ×
Business Rules	Manager C	onfiguration:		a a a a a a a a a a a a a a a a a a a
Business Rules Manag templates for your bu	ger is a veb appl Isiness applicatio siness Rules Man	ication that custo n needs. ager	mizes the busines	s rule
	< <u>B</u> ack	Next >	Einish	Cancel

28. From the Database Configuration page, select **DB2 Universal**, check **Use this database for Messaging Engines (MEs)** and click **Next**.

🙀 Profile Management Tool	- 🗆 ×
Database Configuration	ġ
Various components use WebSphere Process Server common database. Choose a database type and enter the information based on that type.	-
Choose a database product:	
DB2 Universal	•
Common database name:	vse
WPRCSDB	_
Common Even <u>t</u> Infrastructure database name:	
EVENT	
 Delay execution of database scripts (must select if using a remote database). Use a file store for Messaging Engines (MEs). Use this database for Messaging Engines (MEs). 	
< <u>B</u> ack <u>N</u> ext > Einish (Iancel

29. From the Database Configuration (Part 2) page enter a User name and Password and click **Next**.
🚯 Profile Management Tool	_ 🗆 🗙
Database Configuration (Part 2)	Ę
Additional information is required to complete configuration for the DB2 Universa	al database.
User name to authenticate with the database:	
db2admin	
Password for database authentication:	
Confirm password:	
•••••	
Location (directory) of JDBC driver classpath files:	
C:\WebSphere\ProcServer62\universalDriver_wbi\lib	
Database server <u>h</u> ost name (for example IP address):	Browse
wps120.rchland.ibm.com	
Server port:	
50000	
< <u>B</u> ack <u>N</u> ext > Einish	Cancel

30. From the Profile Creation Summary page, click **Create**.

rofile Creation Summary	333	
eview the information in the summary for correctness. If the inf reate to start creating a new profile. Click Back to change val	ormation is correct, c ues on the previous p	lick anels.
Profile name: ProcSrv01		
Make this profile the default: True		
Cell name: wps120Node01Cell		
Node name: wps120Node01		
Host name: wps120.rchland.ibm.com		
Deploy the administrative console (recommended): True		
Deploy the default application: True		
Enable administrative security (recommended): True		
Administrative console port: 9060		
Administrative console secure port: 9043		
HTTP transport port: 9080		
HTTPS transport port: 9443		
Bootstrap port: 2809		
SOAP connector port: 8880		
Run application server as a service: False		
Create a Web server definition: False		
Configure Business Process Choreographer: False		
Configure Business Space: True	R	
Configure Business Rules Manager: True		
Common Database product: DB2 Universal		
Common Database name: WPRCSDB		
Common Event Infrastructure Database name: EVENT		

31. From the Profile Creation Complete page, uncheck **Launch the First steps console** and click **Finish**.

Profile Management	Fool			
Profile Creation Cor	nplete			A state
The Profile Managemer	nt tool created	l the profile suc	cessfully.	
The next step is to decide v manager cell.	whether to feder	rate the process s	erver into a deplo	oyment
To federate the process se console of the deployment server to be running.	rver, use either manager. Using	the addNode cou the administrative	mmand or the adr console requires	ninistrative the process
/ou can start and stop the The First steps console also and features that relate to	process server f has links to an the process ser	from the command installation verifica ver.	l line or the First s ation test and oth	steps console, er information
Launch the First step	s console.			
fo create another profile n	ow, select the fo	blowing option.		
Create another profil	е,			
Fo start the Profile Manage <i>install_root</i> /bin/ProfileMana	ment tool later, igement director	use the pmt com y or the option in	mand in the the First steps co	nsole.
	- D - I	1	C rate 1	Carvel

32. Start the server

C:\WebSphere\ProcServer62\bin\profiles\ProcSrv01\server1\startServer.log.

GN Command Prompt
C:\WebSphere\ProcServer62\bin>startServer server1 ADMU01161: Tool information is being logged in file C:\WebSphere\ProcServer62\profiles\ProcSrv01\logs\server1\startServer.log ADMU01281: Starting tool with the ProcSrv01 profile ADMU31001: Reading configuration for server: server1 ADMU32001: Server launched. Waiting for initialization status. ADMU30001: Server server1 open for e-business; process id is 3024

You have installed WebSphere Process Server and created a stand-alone profile.

You are now ready to configure WebSphere Process Server.

Configuring WebSphere Process Server

After you have installed WebSphere Process Server, you must complete additional configuration tasks to fully prepare your runtime environment.

Configuring Business Process Choreographer:

Business Process Choreographer must be configured before you install any enterprise applications that contain business processes or human tasks.

You have completed Planning to configure Business Process Choreographer as described in the WebSphere Process Server documentation.

This task describes configuring Business Process Choreographer through the administrative console. You can also configure Business Process Choreographer using bpeconfig.jacl.

For information on bpeconfig.jacl, consult the WebSphere Process Server information center.

1. Login to the WebSphere administrative console.

🏉 Integrated Solutions Console - Windows Inte	rnet Explorer
🚱 🕒 👻 🙋 https://wps120.rchland.ibm.	com:9043/ibm/console/logon.jsp
File Edit View Favorites Tools Help	y.
😭 🏘 🌈 Integrated Solutions Console	
Integrated Solutions Console	
Welcome, enter your informa	ation.
primaryAdmin	
Password:	
Log in	

2. Expand Servers → Application Servers and click server1.

Application servers Use this page to view a list of the application servers in your environment and the status of each of these servers. You can also use this page to change the status of a specific application server. Preferences

3. Expand Business Process Choreographer and click Business Process Choreographer Containers.

The Court of	Container Settings
Name	Session management
Serveri	SIP Container Settings
Node Name	
Mpsi20nodeo1	Web Container Settings
📃 Run in development mode	Portlet Container Settings
Parallel start	Container Services
Access to internal server classes Allow 👻	Business Process Services
Conversessific Application Cottings	Applications
Classloader policy	Default policy set bindings
Multiple 👻	 Jostalled applications
Class loading mode	- Installed applications
	Server messaging
	Messaging engines
	Messaging engine inbound transports
Apply OK Reset Cancel	WebSphere MQ link inbound transports
	SIB service
	Business Integration
	Business Integration Configuration
	Business Space Configuration
	System REST Service Endpoints
	Service Component Architecture
	Common Event Infrastructure
	Business Process Choreographer
	Business Process Choreographer Contained d

4. From the Human Task Manager Mail Session section, uncheck **Enable e-mail** service.

Enable e-m	ail service	
Mail transp	port host	
Mail transp	oort user	
primaryAd	min	
Mail transp	oort password	
Confirm m	ail transport pas	sword
Confirm m	ail transport pas	sword

5. From the Security section, enter password(s), confirm Password(s).

ecurity					
Role	User	Group	Descriptio	on	
Administrator	primaryAd	m	User name assigned t	e(s) and/or group o this role have al	name(s) for the business flow and human task administrator role. Users I privileges.
Monitor	primaryAd	m	User name assigned t	e(s) and/or group o o this role can view	name(s) for the business flow and human task monitor role. Users w the properties of all of the business process and task objects.
Authenticati	on	User	Password	Confirm Password	Description
JMS Authentic	ation	primaryAdm	•••••	•••••	Authentication used to authorize communication between messaging engines on the system integration bus
JMS API Authe	entication	primaryAdm	•••••		Authentication for business flow manager message-driven bean to process asynchronous API calls
Escalation Use Authentication	er 1	primaryAdm	•••••		Authentication for human task manager message-driven bean to process asynchronous API calls
Cleanup Servi Authentication	ce User	primaryAdm	•••••		Authentication for the business flow manager and human task manager cleanup service. This user must be in the Administrator

6. Click OK.

Logging	Business Flow Manager	Human Task Manager
Audit Logging		
Common Event Infrastructure Logging		
Task History		

SCA Bindings

State Observers

Host	Context Root	Relative Path	Description
http://host:port	/BFMIF_wps	/sca/com/ibm/bpe/spi/sca/BFMWS	Business Flow Manager Web Service Endpoint
http://host:port	/HTMIF_wps	/sca/com/ibm/bpe/spi/sca/HTMWS	Human Task Manager Web Service Endpoint

Bus

Use the default configuration

Apply OK Reset Cancel

2008-12-03 22:28:40 Beginning configuration ...

2008-12-03 22:28:51 Configuring component 'Business Process Choreographer' on deployment target 'wps120Node01/server1'.

2008-12-03 22:28:51 Configuring component 'Business Flow Manager' on deployment target 'wps120Node01/server1'.

2008-12-03 22:28:58 ADMA5016I: Installation of BPEContainer wps120Node01 server1 started.

2008-12-03 22:29:01 ADMA5058I: Application and module versions are validated with versions of deployment targets.

2008-12-03 22:29:01 WSEC0106W: Your application may have Web Services Security enabled. If it does, you must go to the Enterprise Application Management panels to configure the binding information for Web Services Security. The binding information for Web Services Security is not collected during application deployment. If it is not properly configured, your application may not start or be usable.

2008-12-03 22:29:01 ADMA5005I: The application BPEContainer_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:01 ADMA5053I: The library references for the installed optional package are created.

2008-12-03 22:29:01 ADMA5005I: The application BPEContainer_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:01 ADMA5001I: The application binaries are saved in C:\WebSphere\ProcServer62\profiles\ProcSrv01\wstemp\-1112840563\workspace\cells\ wps120Node01Cell\applications\BPEContainer_wps120Node01_server1.ear\ BPEContainer_wps120Node01_server1.ear

2008-12-03 22:29:01 ADMA5005I: The application BPEContainer_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:02 SECJ0400I: Successfuly updated the application BPEContainer_wps120Node01_server1 with the appContextIDForSecurity information.

2008-12-03 22:29:03 ADMA5005I: The application BPEContainer_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:03 CWSCA3013I: Resources for the SCA application "BPEContainer wps120Node01 server1" are being configured.

2008-12-03 22:29:03 CWSCA3023I: The EAR file "bpecontainer_wps120Node01_server1.ear" is being loaded for the SCA module.

2008-12-03 22:29:03 CWSCA3017I: Installation task "Resource Task for SCA Messaging Binding and EIS Binding" is running.

2008-12-03 22:29:03 CWSCA3017I: Installation task "Resource Task for SCA Messaging Binding and JMS Binding" is running.

2008-12-03 22:29:03 CWSCA4201I: SCA module "BFMIF_wps120Node01_server1" JMS artifacts for "com/ibm/bpe/api/sca/BFMJMS" are being installed

2008-12-03 22:29:03 CWSCA4204I: SCA module "BFMIF_wps120Node01_server1" JMS destination for "com/ibm/bpe/api/sca/BFMJMS" with JNDI name "BFMIF wps120Node01 server1/com/ibm/bpe/api/sca/BFMJMS FAILEDEVENT D" is being installed.

2008-12-03 22:29:03 CWSCA4203I: SCA module "BFMIF_wps120Node01_server1" destination on service integration bus "SCA.SYSTEM.wps120Node01Cell.Bus" with JNDI name "BFMIF_wps120Node01_server1.com.ibm.bpe.api.sca.BFMJMS_FAILEDEVENT_D_SIB" and type "javax.jms.Queue" is being installed.

2008-12-03 22:29:04 CWSCA4206I: SCA module "BFMIF_wps120Node01_server1" JMS connection factory for "com/ibm/bpe/api/sca/BFMJMS" with JNDI name "sca/resource/jms/SCA.JMS/SystemBus CF" is being installed.

2008-12-03 22:29:04 CWSCA4206I: SCA module "BFMIF_wps120Node01_server1" JMS connection factory for "com/ibm/bpe/api/sca/BFMJMS" with JNDI name "BFMIF wps120Node01 server1/com/ibm/bpe/api/sca/BFMJMS FAILEDEVENT REPLAY CF" is being install

2008-12-03 22:29:04 CWSCA3017I: Installation task "SIBus Destination Resource Task for SCA Asynchronous Invocations" is running.

2008-12-03 22:29:05 CWSCA3017I: Installation task "EJB NamespaceBinding Resource Task for SCAImportBinding" is running.

2008-12-03 22:29:05 CWSCA3017I: Installation task "SIBus Destination Resource Task for SCA SOAP/JMS Invocations" is running.

2008-12-03 22:29:05 CWSCA3017I: Installation task "PolicySet Task for JaxWsImportBinding and JaxWsExportBinding" is running.

2008-12-03 22:29:05 CWSCA3014I: Resources for the SCA application "BPEContainer_wps120Node01_server1" have been configured successfully.

2008-12-03 22:29:05 ADMA5011I: The cleanup of the temp directory for application BPEContainer_wps120Node01_server1 is complete.

2008-12-03 22:29:05 ADMA5013I: Application BPEContainer_wps120Node01_server1 installed successfully.

2008-12-03 22:29:06 Creating JMS resources for component 'Business Flow Manager'.

2008-12-03 22:29:10 Configuring component 'Human Task Manager' on deployment target 'wps120Node01/server1'.

2008-12-03 22:29:14 ADMA5016I: Installation of TaskContainer wps120Node01 server1 started.

2008-12-03 22:29:15 ADMA5058I: Application and module versions are validated with versions of deployment targets.

2008-12-03 22:29:15 WSEC0106W: Your application may have Web Services Security enabled. If it does, you must go to the Enterprise Application Management panels to configure the binding information for Web Services Security. The binding information for Web Services Security is not collected during application deployment. If it is not properly configured, your application may not start or be usable.

2008-12-03 22:29:15 ADMA5005I: The application TaskContainer_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:15 ADMA5053I: The library references for the installed optional package are created.

2008-12-03 22:29:16 ADMA5005I: The application TaskContainer_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:16 ADMA5001I: The application binaries are saved in C:\WebSphere\ProcServer62\profiles\ProcSrv01\wstemp\-1112840563\workspace\cells\ wps120Node01Cell\applications\TaskContainer_wps120Node01_server1.ear\ TaskContainer_wps120Node01_server1.ear

2008-12-03 22:29:16 ADMA5005I: The application TaskContainer_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:16 SECJ0400I: Successfuly updated the application TaskContainer wps120Node01 server1 with the appContextIDForSecurity information.

2008-12-03 22:29:17 ADMA5005I: The application TaskContainer_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:17 CWSCA3013I: Resources for the SCA application "TaskContainer wps120Node01 server1" are being configured.

2008-12-03 22:29:17 CWSCA3023I: The EAR file "task_wps120Node01_server1.ear" is being loaded for the SCA module.

2008-12-03 22:29:17 CWSCA3017I: Installation task "Resource Task for SCA Messaging Binding and EIS Binding" is running.

2008-12-03 22:29:17 CWSCA3017I: Installation task "Resource Task for SCA Messaging Binding and JMS Binding" is running.

2008-12-03 22:29:17 CWSCA3017I: Installation task "SIBus Destination Resource Task for SCA Asynchronous Invocations" is running.

2008-12-03 22:29:17 CWSCA3017I: Installation task "EJB NamespaceBinding Resource Task for SCAImportBinding" is running.

2008-12-03 22:29:17 CWSCA3017I: Installation task "SIBus Destination Resource Task for SCA SOAP/JMS Invocations" is running.

2008-12-03 22:29:17 CWSCA3017I: Installation task "PolicySet Task for JaxWsImportBinding and JaxWsExportBinding" is running.

2008-12-03 22:29:17 CWSCA3014I: Resources for the SCA application "TaskContainer_wps120Node01_server1" have been configured successfully.

2008-12-03 22:29:18 ADMA5011I: The cleanup of the temp directory for application

TaskContainer wps120Node01 server1 is complete.

2008-12-03 22:29:18 ADMA5013I: Application TaskContainer_wps120Node01_server1 installed successfully.

2008-12-03 22:29:18 Creating JMS resources for component 'Human Task Manager'.

2008-12-03 22:29:20 ADMA5016I: Installation of BusinessCalendar started.

2008-12-03 22:29:20 ADMA5005I: The application BusinessCalendar is configured in the WebSphere Application Server repository.

2008-12-03 22:29:20 ADMA5011I: The cleanup of the temp directory for application BusinessCalendar is complete.

2008-12-03 22:29:20 ADMA5013I: Application BusinessCalendar installed successfully.

2008-12-03 22:29:21 ADMA5016I: Installation of HTM PredefinedTasks V620 wps120Node01 server1 started.

2008-12-03 22:29:21 ADMA5058I: Application and module versions are validated with versions of deployment targets.

2008-12-03 22:29:21 ADMA5005I: The application HTM_PredefinedTasks_V620_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:22 CWTC00008I: The human tasks in application HTM_PredefinedTasks_V620_wps120Node01_server1 have been successfully configured in the WebSphere configuration repository.

2008-12-03 22:29:22 ADMA5053I: The library references for the installed optional package are created.

2008-12-03 22:29:22 ADMA5005I: The application HTM_PredefinedTasks_V620_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:22 ADMA5001I: The application binaries are saved in C:\WebSphere\ProcServer62\profiles\ProcSrv01\wstemp\-1112840563\workspace\cells \wps120Node01Cell\applications\HTM_PredefinedTasks_V620_wps120Node01_server1.ear \HTM_PredefinedTasks_V620_wps120Node01_server1.ear

2008-12-03 22:29:22 ADMA5005I: The application HTM_PredefinedTasks_V620_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:22 SECJ0400I: Successfuly updated the application HTM_PredefinedTasks_V620_wps120Node01_server1 with the appContextIDForSecurity information.

2008-12-03 22:29:22 ADMA5005I: The application HTM_PredefinedTasks_V620_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:22 CWSCA3013I: Resources for the SCA application "HTM PredefinedTasks V620 wps120Node01 server1" are being configured.

2008-12-03 22:29:22 CWSCA3023I: The EAR file "HTM_PredefinedTasks_V620_wps120Node01_server1.ear" is being loaded for the SCA module.

2008-12-03 22:29:22 CWSCA3017I: Installation task "Resource Task for SCA Messaging Binding and EIS Binding" is running.

2008-12-03 22:29:22 CWSCA3017I: Installation task "Resource Task for SCA Messaging Binding and JMS Binding" is running.

2008-12-03 22:29:22 CWSCA3017I: Installation task "SIBus Destination

Resource Task for SCA Asynchronous Invocations" is running.

2008-12-03 22:29:23 CWSCA3017I: Installation task "EJB NamespaceBinding Resource Task for SCAImportBinding" is running.

2008-12-03 22:29:23 CWSCA3017I: Installation task "SIBus Destination Resource Task for SCA SOAP/JMS Invocations" is running.

2008-12-03 22:29:23 CWSCA3017I: Installation task "PolicySet Task for JaxWsImportBinding and JaxWsExportBinding" is running.

2008-12-03 22:29:23 CWSCA3014I: Resources for the SCA application "HTM_PredefinedTasks_V620_wps120Node01_server1" have been configured successfully.

2008-12-03 22:29:23 ADMA5011I: The cleanup of the temp directory for application HTM_PredefinedTasks_V620_wps120Node01_server1 is complete.

2008-12-03 22:29:23 ADMA5013I: Application HTM_PredefinedTasks_V620_wps120Node01_server1 installed successfully.

2008-12-03 22:29:24 ADMA5016I: Installation of HTM PredefinedTaskMsg V620 wps120Node01 server1 started.

2008-12-03 22:29:24 ADMA5058I: Application and module versions are validated with versions of deployment targets.

2008-12-03 22:29:24 ADMA5005I: The application HTM_PredefinedTaskMsg_V620_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:24 CWTCO0008I: The human tasks in application HTM_PredefinedTaskMsg_V620_wps120Node01_server1 have been successfully configured in the WebSphere configuration repository.

2008-12-03 22:29:24 ADMA5053I: The library references for the installed optional package are created.

2008-12-03 22:29:24 ADMA5005I: The application HTM_PredefinedTaskMsg_V620_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:24 ADMA5001I: The application binaries are saved in C:\WebSphere\ProcServer62\profiles\ProcSrv01\wstemp\-1112840563\workspace\cells\ wps120Node01Cell\applications\HTM_PredefinedTaskMsg_V620_wps120Node01_server1.ear\ HTM PredefinedTaskMsg V620 wps120Node01 server1.ear

2008-12-03 22:29:24 ADMA5005I: The application HTM_PredefinedTaskMsg_V620_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:24 SECJ0400I: Successfuly updated the application HTM_PredefinedTaskMsg_V620_wps120Node01_server1 with the appContextIDForSecurity information.

2008-12-03 22:29:24 ADMA5005I: The application HTM_PredefinedTaskMsg_V620_wps120Node01_server1 is configured in the WebSphere Application Server repository.

2008-12-03 22:29:24 CWSCA3013I: Resources for the SCA application "HTM_PredefinedTaskMsg_V620_wps120Node01_server1" are being configured.

2008-12-03 22:29:24 CWSCA3023I: The EAR file "HTM_PredefinedTaskMsg_V620_wps120Node01_server1.ear" is being loaded for the SCA module.

2008-12-03 22:29:25 CWSCA3017I: Installation task "Resource Task for SCA Messaging Binding and EIS Binding" is running.

2008-12-03 22:29:25 CWSCA3017I: Installation task

"Resource Task for SCA Messaging Binding and JMS Binding" is running.

2008-12-03 22:29:25 CWSCA3017I: Installation task "SIBus Destination Resource Task for SCA Asynchronous Invocations" is running.

2008-12-03 22:29:25 CWSCA3017I: Installation task "EJB NamespaceBinding Resource Task for SCAImportBinding" is running.

2008-12-03 22:29:25 CWSCA3017I: Installation task "SIBus Destination Resource Task for SCA SOAP/JMS Invocations" is running.

2008-12-03 22:29:25 CWSCA3017I: Installation task "PolicySet Task for JaxWsImportBinding and JaxWsExportBinding" is running.

2008-12-03 22:29:25 CWSCA3014I: Resources for the SCA application "HTM_PredefinedTaskMsg_V620_wps120Node01_server1" have been configured successfully.

2008-12-03 22:29:25 ADMA5011I: The cleanup of the temp directory for application HTM PredefinedTaskMsg V620 wps120Node01 server1 is complete.

2008-12-03 22:29:25 ADMA5013I: Application HTM PredefinedTaskMsg V620 wps120Node01 server1 installed successfully.

2008-12-03 22:29:26 Component 'Business Process Choreographer' configured successfully on deployment target 'wps120Node01/server1'. You need to restart the server/cluster for any changes to take effect.

2008-12-03 22:29:26 The configuration has ended.

7. Click Save Changes.

il,	2008-12-03 22:29:25	CWSCA3017I: Installation task "PolicySet Task for JaxWsImportBinding and JaxWsExportBinding" is running.
i,	2008-12-03 22:29:25	CWSCA3014I: Resources for the SCA application "HTM_PredefinedTaskMsg_V620_wps120Node01_server1" have been configured successfully.
i,	2008-12-03 22:29:25	ADMA5011I: The cleanup of the temp directory for application HTM_PredefinedTaskMsg_V620_wps120Node01_server1 is complete.
i.	2008-12-03 22:29:25	ADMA5013I: Application HTM_PredefinedTaskMsg_V620_wps120Node01_server1 installed successfully.
⚠	2008-12-03 22:29:26	Component 'Business Process Choreographer' configured successfully on deployment target 'wps120Node01/server1'. You need to restart the server/cluster for any changes to take effect.
i.	2008-12-03 22:29:26	The configuration has ended.

Show Changes Save Changes Discard Changes Close

Now you can Configure Business Process Choreographer explorer.

Configure Business Process Choreographer Explorer:

Business Process Choreographer Explorer is a Web application that implements a generic Web user interface for interacting with business processes and human tasks. Use the administrative console to configure Business Process Choreographer Explorer.

This procedure describes how to configure Business Process Choreographer Explorer.

1. From the administrative console, expand **Servers** → **Application servers** and click**server1**.

Application servers

Use this page to view a list of the application servers in your environment and the status of each of these servers. You can also use this page to change the status of a specific application server.

+ Preferences		
Name 🛟	Node 🗘	Version 🗘
<u>server1</u>	wps120Node01	ND 6.1.0.21 Process Choreographer 6.2.0.0 WPS 6.2.0.0 WS FEP 6.1.0.21
Total 1		

2. From the server 1 page, expand **Business Process Choreographer** and select **Business Process Choreographer Explorer**.

Busi	ness Integration
	Business Integration Configuration
	Business Space Configuration
	System REST Service Endpoints
	Service Component Architecture
Đ	Common Event Infrastructure
Ξ	Business Process Choreographer
	Business Process Choreographer Containers
	Business Flow Manager
	Human Task Manager
	Business Process Choreographer Explorer
	Business Process Choreographer Event Chertor
	People Assignment Service Ine Busin applicatio

3. From the Business Process Choreographer Explorer page, click Add.

Application servers > se	erver1 > Business Proc	ess Choreographer Explorer	
The Business Process Cl instances and task insta	horeographer Explorer is inces for a given Busine	s a Web application for mana ss Process Choreographer co	ging and administering process ntainer.
Use this configuration pa	anel to set up the explo	orer for a target Business Proc	ess Choreographer container.
Add Start Stop			
Select Explorer 0	Context Root 🗘	Application Status 🗘	Managed Container 🗘
None			
Total 0			

4. From the Business Process Choreographer Explorer Configuration page, click OK.

	Use this configuration pa	nel to set up the ext	olorer for a target Business	Process Choreographer container.
--	---------------------------	-----------------------	------------------------------	----------------------------------

	Related Items
Enable autostart	= <u>Deferred</u>
Context root	Configuration
/bpc1	Business Proce Choreographer
Explorer search result limit	Containers
10000	
Managed Business Process Choreographer Container	
Managed Business Process Choreographer container	
Node=wps120Node01:Server=server1 -	
Business Flow Manager REST API URL	
http://wps120.rchland.ibm.com:9080/rest/bpm/bfm	
Human Tack Manager REST ADI LIPI	
http://wps120.rchland.ibm.com;9080/rest/hpm/htm	
Reporting Function	
Enable reporting function	
Visualize monitoring data from this event collector	
v	
Snapshot report range (in days)	
60	

5. Click Save Changes and OK.

1	2008-12-03 22:36:59	Beginning configuration
i,	2008-12-03 22:36:59	Configuring component 'Business Process Choreographer Explorer' on deployment target 'wps120Node01/server1'.
ī,	2008-12-03 22:37:17	ADMA5016I: Installation of BPCExplorer_wps120Node01_server1_bpc1 started.
i.	2008-12-03 22:37:23	ADMA5058I: Application and module versions are validated with versions of deployment targets.
i,	2008-12-03 22:37:23	ADMA50051: The application BPCExplorer_wps120Node01_server1_bpc1 is configured in the WebSphere Application Server repository.
i,	2008-12-03 22:37:23	ADMA50531: The library references for the installed optional package are created.
i,	2008-12-03 22:37:24	ADMA50051: The application BPCExplorer_wps120Node01_server1_bpc1 is configured in the WebSphere Application Server repository.
i,	2008-12-03 22:37:26	ADMA50011: The application binaries are saved in C:\WebSphere\ProcServer62\profiles\ProcSrv01\wstemp\-111 \workspace\cells\wps120Node01Cell\applications\BPCExplorer_wps120Node01_server1_bpc1.ear\BPCExplorer_wp
i,	2008-12-03 22:37:26	ADMA50051: The application BPCExplorer_wps120Node01_server1_bpc1 is configured in the WebSphere Application Server repository.
i,	2008-12-03 22:37:28	SECJ04001: Successfuly updated the application BPCExplorer_wps120Node01_server1_bpc1 with the appContextIDForSecurity information.
i,	2008-12-03 22:37:29	ADMA50051: The application BPCExplorer_wps120Node01_server1_bpc1 is configured in the WebSphere Application Server repository.
i,	2008-12-03 22:37:32	ADMA50111: The cleanup of the temp directory for application BPCExplorer_wps120Node01_server1_bpc1 is complete.
1	2008-12-03 22:37:32	ADMA5013I: Application BPCExplorer_wps120Node01_server1_bpc1 installed successfully.
п.	2008-12-03 22:37:32	The configuration has ended.

Now, you can verify the WebSphere Process Server installation and configuration.

Verifying the installation of WebSphere Process Server 6.2

Check settings and behavior to ensure the software is running.

Verification step instructions provides quick understanding of what to check to make sure the software is running properly.

1. Start the server.

Run C:\WebSphere\ProcServer62\bin\startServer server1.

2. Open the WebSphere Application Server administrative console in a web browser.

For example: http://hostname:port/ibm/console.

- 3. Login to the WebSphere administrative console.
- 4. Stop the server

Run C:\WebSphere\ProcServer62\bin\stopServer server1.

WebSphere Service Registry and Repository Version 6.2.0.2

WebSphere Service Registry and Repository provides technical service metadata in the runtime environment.

With WebSphere Service Registry and Repository, you can:

- Enable SOA governance of your services throughout the service lifecycle.
- Promote reuse and eliminate redundancies by increasing visibility of services, applications and processes.
- Enhance connectivity by increasing runtime flexibility of applications integrated using the Enterprise Service Bus (ESB).
- Optimize the use of services in SOA by exchanging rich service information with runtime monitoring tools and operational data stores.
- Enable governance and lifecycle management of your high-value applications, such as WebSphere MQ, CICS and IMS.
- Enable policy management across the SOA lifecycle spanning all categories of policy.

Installing the WebSphere Service Registry and Repository Version 6.2.0.2

You install the software using the installation wizard. You can obtain the WebSphere Service Registry and Repository 6.2.0.2 product files in two ways, from the disks in the product package or by downloading installation images from the Passport Advantage[®] site, if you are licensed to do so.

This task describes how to install WebSphere Service Registry and Repository Version 6.2.0.2.

The screen captures are included to make it easier to follow the step instructions.

The step instructions are included to provide the specific task you need to perform and any information needed to perform the task (such as directory locations, parameters to enter, etc.)

1. Run install.exe from the directory into which you downloaded it. Click **OK**.



2. From the Introduction page select Next.



3. From the Software License Agreement page, accept the terms of the license agreements and click **Next**.

🐙 IBM WebSphere Service Regis	stry and Repository ¥6.2	_ 🗆 ×
	Software License Agree	ment
Introduction	Please read the following license agreement carefully.	
 Choose Install Folder Pre-Installation Summary 	International Program License Agreement	-
 ▷ Installing ▷ Deployment Wizard ▷ Install Complete 	Part I - General Terms BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, OR USING THE PROGRAM YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF ANOTHER PERSON OR A COMPANY OR OTHER LEGAL ENTITY,	>
	Read Non-IBM Terms	
InstallAnywhere by Macrovision	<u>P</u> revious <u>N</u> e	xt

4. From the Choose Install Folder page, choose into which directory you want to install and click **Next**.

📲 IBM WebSphere Service Regi	stry and Repository ¥6.2 Choose Install Folder
 ✓ Introduction ► Choose Install Folder ► Pre-Installation Summary ► Installing ► Deployment Wizard 	Please choose a destination folder for this installation.
▷ Install Complete	Where Would You Like to Install?
	C:\WebSphere\ServiceRegistry
	Restore Default Folder Choose
	Ŀ\$
InstallAnywhere by Macrovision	Previous Next

5. From the Pre-installation Summary page, review the selections that you have made and click **Install**.



6. From the Deployment Wizard launch page, read the description of the Deployment Wizard functionality.

If you want to launch the Deployment wizard, make sure the **Launch Deployment Wizard** checkbox is checked and click **Next**.



7. From the Install Complete page, click **Done**.

E IDH Websphere Service Regis	try and Repository ¥6.2
	Install Complete
 Introduction Choose Install Folder Pre-Installation Summary Installing Deployment Wizard Install Complete 	Congratulations! IBM WebSphere Service Registry and Repository has been s uccessfully installed to: C:\WebSphere\ServiceRegistry Press "Done" to quit the installer.

8. From the Deployment Wizard welcome screen, read the description and click **Next**.

BM WebSphere Service WebSphere Service R	Registry and Rep egistry and Re	ository Deployme epository Vers	nt Wizard ion 6.2 Deplo:	
Welcome to the IBM WebSpher guide you through the deploym wizard can perform both instalk	e Service Registry a ent process for Web ation and uninstallat	nd Repository deplo Sphere Service Reg ion deployment actio	yment wizard. This w istry and Repository ns.	izard will v6.2. This
	< <u>B</u> ack	Next >	Einish	Cancel

9. From the Deployment Action page, make sure **Install** is selected and click **Next**.

皆 IBM WebSpher	e Service Regis	try and Repo	sitory Deploym	ient Wizard	×
Deployment A Select whether to p	. ction erform an installat	tion, uninstallati	on or a fixpack up	date.	1
Deployment action:	 Install Uninstall Update 				
		< <u>B</u> ack	Next >	Einish	Cancel

10. From the Deployment Configuration page, make sure **Stand-alone Server** is selected and click **Next**.

🖄 IBM WebSphere Service Registry	y and Repository Deployment Wizard	×
Deployment Configuration		
Select your deployment configuration.		
WebSphere Service Registry and Reposi Application Server deployment configura	itory can be deployed to one of the following WebSphere ations.	
Deployment Configuration:	 Stand-alone Server Federated Server Cluster 	
	< <u>B</u> ack <u>Next ></u> Einish Cano	:el

11. From the Database Location page select the database location and click Next.

월 IBM WebSphere Service Re	gistry and Repository Deployment Wizard	×
Database Location		
Select your database location.		
If your WebSphere Service Regist Application Server select 'Local' be	try and Repository database is on the same server as the ' slow. If the database is on a remote server then select 'Re	WebSphere mote'.
Database location:	● Local C Remote	
-		Cancel

12. From the Database Type page, select Cloudscape (not for production use) and click **Next**.

皆 IBM WebSphere Servic	e Registry and Repository Deployment Wizard	×
Database Type Select your database type.		
Database type:	 DB2 Version 8.2 DB2 Version 9.1 / 9.5 Oracle 10g / 11g MSSQL Server 2005 Cloudscape (not for production use) 	
	< <u>B</u> ack <u>Next</u> > Einish C	ancel

13. From the DB2 Database security settings page, enter a value for **Database user** and **Database password**.

皆 IBM WebSphere Service R	egistry and Repository Deployment Wizard	×
DB2 Database		
Specify your DB2 database settin	ıgs.	
Database Na <u>m</u> e:	WSRR	
Database <u>U</u> ser:	db2admin	
Database <u>P</u> assword:	•••••	
Confirm Database Password:		
Database <u>H</u> ome;	C:\Program Files\IBM\SQLLIB	Browse
Database P <u>o</u> rt:	50000	
Database <u>T</u> ablespace Directory:	C:\DB2T5	Browse
R	< <u>B</u> ack <u>N</u> ext > Einish	Cancel

14. From the WebSphere Application Server installation settings page, specify the Installation Directory and Profile Name then click **Next**.

Specify your WebSpher	e Application Server installation settings.	
Installation Directory:	C:\WebSphere\ProcServer62	Browse
Profile Name:	ProcSrv01	
SOAP Port:	8880	
Server Name:	server1	

15. Select your security settings.

From the WebSphere Application Server security settings page make the following selections:

- Select Yes to Is security enabled?
- Enter admin as the Admin User
- Enter admin as the Admin Password

Click Next.

pecify your WebSpher	e Application Server security s	settings.	
(s security enabled?	• Yes		
1 dmin Llser:		- 1	
idmin <u>D</u> ecuerdu			
aunin <u>F</u> assword.			
_onfirm Admin Passwor	a: ••••••		
Specify the user ID and Application Server admi Use Admin ID?	password to use for JMS acc nistrator ID. I Yes I No	ess. The default is to use your WebS	iphere
ĮMS User:			
) <u>M</u> S Password:			
Confirm JMS Password:			
	< Back	Next > Finish	Cancel

16. From the WebSphere Service Registry and Repository User and Administrator J2EE role mappings page, select **Next**.

	and Administrato	r J2EE role mapp	ings.	
pecify the user or	group to map to) the Administrat	or J2EE role:	
Iser: ALL_AUTH	HENTICATED			
roup: NONE				
pecify the user or	group to map to) the User J2EE r	ole:	
iser: [ALL_AUT	TENTICATED			
iroup: NONE				

17. Review the Deployment Summary page and click Next.

🖄 IBM WebSphere Service Registry and Repository Deployment Wizard	×
Deployment Summary	
	_
WebSphere Service Registry and Repository is about to be deployed. First this will create the WebSphere Service Registry and Repository database and the required data structures in it. Then it v	will
create the necessary resources in WebSphere Application Server and deploy the WebSphere Service Registry and Repository enterprise applications.	
Die see slide Next to seeting	
Please click Next to continue.	
< Back	

18. From the Starting Deployment process page, review the progress and when it completes, click **Finish**.

Starting process		
The output of the WebSphere Service Registry pelow. Once complete please click Finish.	/ and Repository install/uninstall process is shown	
[copy] Copying 14 riles to C:(webSphere(Pr	rocserver62(IID(WSRRIangs	
tartwas: [nlsecho] GSR91411: Starting WAS server [wsadmin] profileName=ProcSrv01 registry=C [wsadmin] WASX7023E: Error creating "SOAP' [wsadmin] WASX7023E: Error creating "SOAP' [wsadmin] WASX7013I: This scripting client is [wsadmin] WASX7031I: The following options [wsadmin] MASX7031I: The following options [wsadmin] ADMU016I: Tool information is bei [wsadmin] ADMU0128I: Starting tool with the [wsadmin] ADMU0128I: Starting tool with the [wsadmin] ADMU0128I: Starting tool with the [wsadmin] ADMU01201: Server launched, Wai [wsadmin] ADMU3000I: Server server1 open I [wsadmin] ADMU300I Server server1 open I [wsadmin] ADMU300I Server server1 open I [wsadmin] [wsadmin] ADMU300I Server server1 open I [wsad	2:\WebSphere\ProcServer62\properties\profileRegistry ierver62\profiles\ProcSrv01 " connection to host "localhost"; exception information not connected to a server process; please refer to the not available. are passed to the scripting environment and are avail ing logged in file i2\profiles\ProcSrv01\logs\server1\startServer.log ProcSrv01 profile n for server: server1 iting for initialization status. for e-business; process id is 3444 ocServer62\lib\WSRRlangs	y.xml 1: com.ibm.w e log file C;\' able as argu
Total time: 17 minutes 0 seconds		•

Now you can verify the installation of WebSphere Service Registry and Repository.

Verifying the installation of WebSphere Service Registry and Repository Version 6.2.0.2

Check the settings and behavior to ensure the software is running.

Verification step instructions provides quick understanding of what to check to make sure the software is running properly.

1. Open the WebSphere Application Server Administrative console in a web browser.

For example: http://localhost:9060/ibm/console

- 2. Two WebSphere Service Registry and Repository applications are installed and all have been started:
 - ServiceRegistry
 - ServiceRegistryTS
- 3. Enter WebSphere Service Registry and Repository home console, like http://hostname:port/ServiceRegistry.

For example http://localhost:9080/ServiceRegistry.

4. Stop the server.

Run C:\WebSphere\ProcServer62\bin\stopServer server1.

WebSphere Business Services Fabric

WebSphere Business Services Fabric enables business users to rapidly assemble new business processes, make concurrent changes with governance but minimal impact to IT, while reusing, sharing current IT assets.

WebSphere Business Services Fabric:

- Uses business defined vocabulary and tasks to enable the assembly of existing and new IT assets into SOA-based, discrete business functions called 'Business Services.
- Stores and acts upon formerly hard-coded, individual process attributes in an IT-governed, easily updatable database and runtime environment, enabling enterprise-wide policy changes to be proliferated concurrently across all applicable processes.
- Includes NEW enhanced business user experience and customizable web-based user interface; automated, policy-based feedback loop with WebSphere Monitor enabling corporate-wide process changes with no human interaction; improved consumability and design tooling to manage roles, channels, and assertions
- Includes NEW prescriptive guidance for developing your own content packs including how-to-guide, industry-specific examples, key performance indicators templates
- Includes New Product Lifecycle Management (PLM) Content Pack applies to Automotive, Electronics, Aerospace and Defense, and Industrial verticals.
- Includes Optional Industry Content Packs help you get started even quicker with prebuilt SOA accelerators designed to speed time to market for industry-specific composite business applications in the form of business services templates

Installing WebSphere Business Services Fabric 6.2

Use the installation wizard to install the software. You can obtain the WebSphere Business Services Fabric 6.2 product files in two ways, from the disks in the product package or by downloading installation images from the Passport Advantage[®] site, if you are licensed to do so.

This task describes the procedure for installing WebSphere Business Services Fabric.

The screen captures are included to make it easier to follow the step instructions.

The step instructions are included to provide the specific task you need to perform and any information needed to perform the task (such as directory locations, parameters to enter, etc.)

- 1. Run the launchpad.exe from the directory into which you downloaded it.
- 2. From the Welcome page, select **IBM WebSphere Business Services** Foundation Pack Installation.



3. From the IBM WebSphere Business Services Foundation Pack Installation page, select Launch the installation wizard for IBM WebSphere Business Services Foundation Pack for Multiplatforms.

🖆 IBM WebSphere Business Services	Fabric 📃 🗋
WebSphere. software	
	Language selection: English
Welcome	4
Prerequisite Information	IBM WebSphere Business Services Foundation Pack for Multiplatforms installation
IBM WebSphere Business Services Foundation Pack Installation IBM Support Assistant Installation First Steps Exit	 Launch the installation wizard for IBM WebSphere Business Services Foundation Pack for Multiplatforms Install IBM WebSphere Business Services Foundation Pack for Multiplatforms using the installation wizard. Open the information center Complete technical product documentation available online, in PDF book format, or as Eclipse document plug-ins, which you can download and install on a local system. Read product overview and installation information Overview material and step-by-step instructions for installing the product, provided in PDF book format for quick access. View critical information Links to the latest critical fixes for and information about this

4. From the Business Services Fabric page, select the language and click OK.



5. From the Install Anywhere page, click Next.



6. From the Software License Agreement page, select Accept and click Next.



7. From the System Prerequisite Check page, click Next.



8. From the WebSphere Process Server Location page, choose the location of your WebSphere Process Server product installation and click Next.

🐙 IBM WebSphere Business Servic	es Fabric F	ounda	ation Pack v6	.2					
								WPS Inst	tall Locatior
	Select	the	location	to	your	WPS	installation		
	WPS HOI	ИE							
¥	C:/WebSpl	nere/Pr	ocServer62						
InstallAnywhere by Macrovision —								Previous	Nevt

9. From the Installation Type page, select Advanced Installation and click Next.



10. From theChoose Install Folder page, choose the directory into which you want to install the software and then click **Next**.

🐙 IBM WebSphere Business Servi	ces Fabric Foundation Pack v6.2		_ 🗆 >
		Choose	Install Folder
	Please choose a destination folder for this installation.		
	Where Would You Like to Install?		
	C:\WebSphere\Fabric62\FoundationPack	Restore Default Folder	Ch <u>o</u> ose
InstallAnywhere by Macrovision			
<u>C</u> ancel		Previous	Next

11. From the Preinstallation Summary page, review the install options that you have chosen and click **Install**



From the Install Complete page, click Done.
 After completing the installation, the Profile Management tool launches automatically.

13. From the Profile Management tool page, click **Augment** to augment an existing profile.

🚯 Profile Ma	anagement Tool				_ 🗆 ×
Profile Ma	ınagement To	ol			B
Create	Create a new pi	rofile.			
Augment	Augment an exi	sting profile.			
		< <u>B</u> ack	Next >	Einish	Cancel

14. From the Welcome to the Profile Management Tool page, click Next.

Profile Management Tool	
Welcome to the Profile Management tool	a a a a a a a a a a a a a a a a a a a
Important information for Version 6.1	<u> </u>
This wizard creates run-time environments that are referred to as <i>profiles</i> . At least one profile must exi functional installation.	st to have a
An initial profile is created during the installation process. Use this wizard to create additional profiles th contain a set of commands, configuration files, log files, deployable applications and other information t single application server environment.	iat each :hat defines a
See the online information center for more information about the Profile Management tool or about sett topologies for application servers.	ing up typical
WebSphere Rusiness Service Eabric - Online information center link	
WebSphere Enterprise Service Bus - Online information center link	
WebSphere Process Server - Online information center link	
	<u> </u>
	Capcel (
- Mary Mary Dillion	Cancer

15. From the Profile Selection page, click Next.

🙀 Profile Management Tool				_ 🗆 ×
Profile Selection				A
Select the profile to augment.				
ProcSrv01				
				((
	< <u>B</u> ack	<u>N</u> ext >	Einish	Cancel

16. From the Profile Augment Options page, select **Advanced profile augmentation** and click **Next**.

🚯 Profile Management Tool				_ 🗆 🗡
Profile Augmentation Options				a a a a a a a a a a a a a a a a a a a
Choose the profile augmentation process t Management tool to assign a set of default specify your own configuration values for t	hat meets your i : configuration v :he profile,	needs. Pick the T alues to the profi	ypical option to a le. Pick the Adva	allow the Profile anced option to
C Iypical profile augmentation				
Augment an existing WebSphere Bu settings. Unless previously configur	usiness Service F ed, all required (abric profile using databases will be	g previously coni set to Derby Em	figured ibedded.
Advanced profile augmentation				
Augment an existing WebSphere Bu Depending on your current profile o database configuration values. You Choreographer, Business Space, ar	usiness Service F onfiguration, yo I can optionally c Id Business Rule	abric profile prev u may also have hoose to configu s Manager.	iously configure the option to sp re the sample Bu	d settings. ecify your own Isiness Process
	< <u>B</u> ack	Next >	Enish	Cancel

17. From the Augment Selection page, select **WebSphere Business Service Fabric** and click **Next**.

Profile Management Tool				
ugment Selection				
elect the augment to apply to the sele	cted profile			
ugments:				
WebSphere Business Service Fabric				
WebSphere Enterprise Service Bus WebSphere Process Server				
Ĵ	d			
Description	87			
IBM WebSphere Business Services Fa	bric creates compos	ite business apps	and manages, a	changes
improvement of business processes b	y aligning business i	objectives with IT	capabilities for	rapid
deployment.				
				1
deployment.				
				10

18. From the Administrative Security page, enter values for **User name** and **Password** and click **Next**.

Profile Management Tool	. 🗆 🗙
Administrative Security	8
The profile ProcSrv01 has administrative security enabled. Enter the administrative user name and password for this profile. User name:	-
 primaryAdmin	- 1
Password:	
•••••	
Confirm password:	
•••••	
See the information center for more information about administrative security. Online information center link	•
< <u>B</u> ack <u>N</u> ext > ⊟nish Car	cel

19. From the Business Rules Manager Configuration page, click **Next**.

🚯 Profile Management Tool				
Business Rules Manager Co	onfiguration	n		la l
Business Rules Manager is a web applic business application needs.	ation that cust	omizes the busi	ness rule templat	es for your
Configure the Business Rules Mana	ger			
	< <u>B</u> ack	Next >	Einish	Cancel

20. From the Database Authentication page, enter a user name and password and click **Next**.

🚱 Profile Management Tool				_ 🗆 🗵
Database Authentication				a a a a a a a a a a a a a a a a a a a
A DB2_Universal database has already database authentication.	v been configure	d for this profile:	. Provide informal	tion for
db2sdmin	labase;			
Decement for detabase authoritation				
Password for database authentication:				
Confirm password:				
••••••				
	< <u>B</u> ack	<u>N</u> ext >	Einish	Cancel

21. From the Fabric Database Configuration page, choose DB2 Universal as the database product, select **Create New Fabric database** and click **Next**.

Profile Management Tool			_ 0
abric Database Configura	tion	335	
Choose a use WebSphere Business Se that type.	ervice Fabric database ty	ype and enter the information bas	ed on L
Choose a database product:			
DB2 Universal			
Create New Cebric detailant			
Create New Fabric database.			
Use $\underline{\mathbf{L}}$ xisting Fabric database.			
Override the destination direc	tory for generated script	its	
Database script output direct	orv:		
			_
		Brown	. 1
		DTOAR	15m
Jatabase <u>n</u> ame:			
FABRICDB			
Use a file store for Messaging End			
	ines (MEs).		
Use database for Messaging Engine	jines (MEs). nes (MEs).		-
✓ Use database for Messaging Engineration	jines (MEs). nes (MEs).		
✓ Use database for Messaging Engli	jines (MEs). nes (MEs).		
Use database for Messaging Engi	jines (MEs). nes (MEs).		
✓ Use database for Messaging Engine Version of the state of the st	nes (MEs).	we have a start of the start of	incol

. From the Fabric Database Configuration (Part 2) page, enter a User name, Password, Database server host name and click **Next**.
🚯 Profile Management Tool 📃 📃	
Fabric Database Configuration (Part 2)	ĝ
Additional information is required to complete configuration for the DB2 Universal database.	-
User name to authenticate with the database:	
db2admin	
Password for database authentication:	
Confirm password:	20
Location (directory) of JDBC driver classpath files:	
C:\WebSphere\ProcServer62\universalDriver_wbi\lib	
Browse	
JDBC driver type:	-
C 2	
(€ 4)	
Database server host name (for example IP address):	
wps120.rchland.ibm.com	
Server port:	
50000	
	<u> </u>
2	
۔ <u>حقو</u> مدk <u>N</u> ext > Enish Cance	*

23. From the Profile Augmentation Summary page, click Augment.

🚯 Profile Management Tool 📃 🗖 🗙
Profile Augmentation Summary
T Calo
Review the information in the summary for correctness. If the information is correct, click Augment to start augmenting this profile. Click Back to change values on the previous panels.
WebSobere Business Service Eabric augmentation profile type: Eabric Stand-Blone Profile
Location: C:\WebSobere\ProcServer62\profiles\ProcSrv01
Disk space required: 889 MB
Profile name: ProcSrv01
Make this profile the default: False
Cell pame: wps120Node01Cell
Node pame: wps120Node01
Host name: wps120 rchland ibm com
hose hellor hipsizon chicharbinicom
Enable administrative security (recommended): True
Administrative console port: 9060
Administrative console secure port: 9043
HTTP transport port: 9080
HTTPS transport port: 9443
Bootstrap port: 2809
SOAP connector port: 8880
Run application server as a service: False
Create a Web server definition: False
Configure Business Rules Manager: False
Common Database product: DB2 Universal
Common Database name: WPRCSDB
Eabric Database product: DB2 Universal
Fabric Database name: FABRICDB
<u>Eack</u> <u>Augment</u> Inish Cancel

24. From the Profile Augmentation Complete page, uncheck Launch the First steps console and click Finish.

🚯 Profile Management Tool	
Profile Augmentation Complete	a a a a a a a a a a a a a a a a a a a
The Profile Management tool augmented the profile su	ccessfully.
You can start and stop the WebSphere Business Service Fabric f First steps console. The First steps console also has links to an in other information and features that relate to the WebSphere Bu	rom the command line or the Istallation verification test and siness Service Fabric.
Launch the First steps console.	
To augment another profile now, select the following option.	
T Augment another profile.	
To start the Profile Management tool later, use the pmt commar <i>install_root</i> /bin/ProfileManagement directory or the option in the	nd in the First steps console.
< <u>B</u> ack <u>N</u> ext >	<u>Finish</u> Cancel

Now you can verify the WebSphere Business Services Fabric installation.

Verifying the installation of WebSphere Business Services Fabric 6.2

Check settings and behavior to ensure the software is running.

Verification step instructions provides quick understanding of what to check to make sure the software is running properly.

 Start browser and enter WebSphere Application Server administrative console: http://hostname:port/ibm/console.

For example: http://localhost:9060/ibm/console.

Four WebSphere Business Services Fabric applications are installed and all of them are started:

- Fabric Catalog
- Fabric Engine
- Fabric Tools
- Fabric Tools Help
- 2. Verify that four WebSphere Business Services Fabric applications are installed.
- **3**. Open the Fabric console.

http://hostname:port/fabric/app.

4. Stop the server.

Now you can install WebSphere Business Monitor.

WebSphere Business Monitor

Business activity monitoring with WebSphere Business Monitor V6.2 offers real-time insight into your business processes.

WebSphere Business Monitor V6.2 provides new interfaces and capabilities for business users, and offers enhanced predictive capabilities allowing you to take advantage of market opportunities and prevent problems before they occur.

WebSphere Business Monitor V6.2 includes the following features and functionality:

- New business user interface Business Space powered by WebSphere permits customers to easily integrate business activity monitoring capabilities along with other BPM applications for holistic process management.
- Predict key performance indicator (KPI) values for future periods Predictive capabilities take business activity monitoring to the next level by enabling users to pre-empt potential problems and take advantage of potential opportunities.
- Comprehensive KPIs WebSphere Business Monitor offers an embedded metrics library of over 800 open standard Key Performance Indicators (KPIs) based on the APQC Process Classification Frameworksm (PCF).
- Advanced problem detection WebSphere Business Monitor can feed any KPI alerts to WebSphere Business Events to detect hidden patterns in the alerts and indicate a potential business problem that might otherwise go undetected

Installing WebSphere Business Monitor 6.2

Use the installation wizard to install the software. You can obtain the WebSphere Business Monitor 6.2 product files in two ways, from the disks in the product package or by downloading installation images from the Passport Advantage[®] site, if you are licensed to do so.

This task describes the procedure for installing WebSphere Business Monitor.

The screen captures are included to make it easier to follow the step instructions.

The step instructions are included to provide the specific task you need to perform and any information needed to perform the task (such as directory locations, parameters to enter, etc.)

1. Run the downloaded launchpad.exe.



2. From the WebSphere Business Monitor Installation page, select Launch the installation wizard for WebSphere Business Monitor.



3. From the Welcome to the IBM WebSphere Business Monitor 6.2 Installation wizard page, click **Next** .

bSphere software	Welcome to the IBM WebSphere Business Monitor 6.2 installation wizard
and the second	This wizard installs IBM WebSphere Business Monitor 6.2 on your computer. For additional information about the installation process, see the WebSphere Business Monitor information center.
1	Click Next to continue.

4. From the Software License Agreement page, accept the terms and click Next.

3 IBM WebSphere Busi	ness Monitor 6.2	_ 🗆 ×
ARE STOR	Software License Agreement	
WebSphere software	Please read the following license agreement carefully.	
	International License Agreement for Early Release of Programs	
	Part 1 - General Terms	
A	THIS INTERNATIONAL LICENSE AGREEMENT FOR EARLY RELI OF PROGRAMS ("AGREEMENT") IS A LEGAL AGREEMENT BETV YOU AND IBM. BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, OR USING THE PROGRAM YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF ANOTHER PERSON OR A COMPANY OF	EASE VEEN
- 88	Read non-IBM terms	
	I accept both the IBM and the non-IBM terms	
	I do not accept the terms in the license agreement	
	Print	
tallShield		
	< Back Next > Cal	ncel

5. From the System prerequisites check page, click Next.

皆 IBM WebSphere Busin	ess Monitor 6.2
WebSphere software	System prerequisites check Passed: Your operating system completed the prerequisites check successfully. The installation wizard checks your system to determine whether a supported operating system is installed and whether the operating system has the appropriate service packs and patches. Installations of WebSphere Application Server prior to Version 6.0 may not be found reliably. Installations of WebSphere Application Server and WebSphere Business Monitor that are not registered with the operating system may not be found reliably. Click Next to continue the installation.
InstallShield	< <u>Back</u> <u>Next ></u> <u>C</u> ancel

6. From the Installation type selection page, select **Advance Installation** and click **Next** .



7. From the Component selection page, click Next .



8. Select Use an existing installation of WebSphere Application Server Network Deployment and click Next.

our and	Detected Hebsphere Applieddolf Server	
- All	The installation wizard detected an existing insta Application Server. You can either use an existin new copy. Installation will occur simultaneously Business Monitor.	allation of WebSphere g installation or install a with WebSphere
	Install a new copy of WebSphere Application	Server Network Deploy.
	Use an existing installation of WebSphere Ap Network Deployment	oplication Server
	C:WebSphere\ProcServer62	
		Br <u>o</u> wse
allShield -		

9. From the Features Selection page, click Next.

are	Feature selection
	Select the features to be installed:
	C None
	AlphaBlox features for Business Space
	C AlphaBlox features for portlet-based dashboards
	Description Adding the AlphaBlox features will enable the dashboards to perform dimensional analysis on your data.
R.	
1	

10. From the WebSphere Business Monitor profile environments page, select **None** and click **Next**.

oSphere. software	WebSphere Business Monitor profile environments
	Select the type of profile environment to create for Business Monitor Server during installation. Although only one type of environment type can be chosen, additional profiles can be created after installation using the Profile Management Tool. To augment an existing profile, select None .
	Profile Environments:
	Stand-alone
7/17 00	Deployment manager
	Federated server
	Custom
1100	None
	You must have at least one profile to have a functional WebSphere Business Monitor. Select none only if you will create one or more profiles after the installation is completed.
hield	
official s	

11. From the Warning dialog, click Yes.



12. Review the information on the Installation Summary page and click Next .

WebSphere software	Installation summary	
	Review the summary for correctness. Click Back to change previous panels. Click Next to begin the installation.	values on
	The following product will be installed:	
	WebSphere Business Monitor 6.2 Product installation location:	
	C:\WebSphere\ProcServer62	
	Components to be installed:	
	 Business Monitor server including Business AlphaBlox features for Business Space 	Space
	The following features will be included:	2
	Core product files	V
	Total size:	
	● 1004 MB	
	Administrative security enabled:	
allShield	<u>v</u>	
	< Back Next >	Cancel

13. From the Installation Results page, uncheck Launch the WebSphere Business Monitor First Steps console and click Finish.

and the second second	Success: The following product(s) were successfully installed.		
	WebSphere Business Monitor 6.2		
	C:WebSphere\ProcServer62 O Business Monitor server including Business Space O AlphaBlox features for Business Space		
- H 33			
	Click Finish to exit		

- 14. Launch the Profile Management Tool.<WASHOME>\bin\ProfileManagement directory launch PMT
- 15. From the Profile Management Tool page, click Augment.

🚯 Profile Ma	nagement Tool	
Profile Ma	nagement I ool	A
Create	Create a new profile.	
Augment	Augment an existing profile.	
	< Back Next > E	jnish Cancel

16. From the Welcome to the Profile Management tool page, click Next.

Velcome to the Profile Management to	ol	
important information for Yersion 6.1		
his wizard creates run-time environments that are refu unctional installation.	erred to as <i>profiles</i> . At least one profile must exist t	o have a
n initial profile is created during the installation proces a set of commands, configuration files, log files, deploy application server environment.	s. Use this wizard to create additional profiles that vable applications and other information that defines	each contain ; a single
		and an
ee the online information center for more information opologies for application servers. WebSphere Application Server - Online information	about the Profile Management tool or about setting	up typical
iee the online information center for more information opologies for application servers. WebSphere Application Server - Online information WebSphere Business Monitor - Online information of	about the Profile Management tool or about setting a center link center link	up typical
See the online information center for more information opologies for application servers. WebSphere Application Server - Online information WebSphere Business Monitor - Online information of WebSphere Business Service Fabric - Online inform	about the Profile Management tool or about setting center link center link nation center link	up typical
See the online information center for more information copologies for application servers. WebSphere Application Server - Online information WebSphere Business Monitor - Online information of WebSphere Business Service Fabric - Online inform WebSphere Enterprise Service Bus - Online informa	about the Profile Management tool or about setting center link center link nation center link ation center link	up typical

17. From the Profile Selection page, click Next.

👸 Profile Management Tool				_ 🗆 >
Profile Selection				A
Select the profile to augment.				_
Profiles:				
	< <u>B</u> ack	Next >	Einish	Cancel

 From the Augment Selection page, select WebSphere Business Monitor application server and click Next.

i rome rianagemen	t Tool	
Augment Selection		E
Select the augment to ap Augments:	ply to the selected profile	-
WebSphere Business Mo WebSphere Business Se	nitor application server rvice Fabric	
WabSobara Enterprica 9	ervice Bus	
WebSphere Process Ser	ver	
WebSphere Process Ser	ver	
WebSphere Process Ser	ver	

From the Profile Augmentation Options page, select Advanced profile augmentation and click Next.

🏟 Profile Management Tool		
Profile Augmentation Optio	ins	a la
Choose the profile augmentation pro- option to allow the Profile Management the profile. Select the Advanced option	cess that best fits your en nt Tool to assign a set of on to specify your own co	ivironment. Select the Typical default configuration values to nfiguration values for the profile.
C Typical profile augmentation		
Augment a WebSphere Busine settings. You can specify your database configuration.	ess Monitor profile that us r own values for the Web:	es default configuration Sphere Business Monitor
Advanced profile augmentation	on	
Augment a monitor using defa Business Monitor components. for the Common Event Infrast database. You can specify the the Human Tasks configuratio	ault configuration settings, . You can specify your ow rructure database and the e file store locations for th n.	or select your own WebSphere n database configuration values WebSphere Business Monitor e messaging engine and define
ß		
<	Back Next >	Einish Cancel

20. From the Administrative Security page, enter a user name and password and click **Next**.

🚯 Profile Management Tool 📃	
Administrative Security	ĝ
The profile Proc5rv01 has administrative security enabled. Enter the administrative user name and password for this profile.	-
primaryAdmin	
Password:	
Confirm password:	
See the information center for more information about administrative security,	Ŧ
< <u>B</u> ack <u>N</u> ext > Einish Cance	

21. From the Human Tasks Configuration page, enter a host name a port number and click **Next**.

🚯 Profile Management Tool		
Human Tasks Configur	ation	B
To view human tasks in your da human task application and conf WebSphere Process Server. Yo existing WebSphere Process Ser	shboard using the Human Tasks wid igure WebSphere Business Monitor u must provide the host name and P wer.	get, you must deploy the 🔺 to access an existing RMI port number for the
I ✓ Deploy human task monitor i	nodel	
WebSphere Process Server	<u>h</u> ost name:	
wps120.rchland.ibm.com		
WebSphere Process Server	RMI gort number (Default port num	ber is 2809):
2809		
Using the Human Tasks Manage To display all available human ta dashboard. For more information about hum Online information center link	r in WebSphere Process Server, you sks, you can add the Human Tasks an task configuration, see the onlin	ı can track human tasks. widget to your e information center.
	< <u>B</u> ack <u>N</u> ext >	Einish Cancel

22. From the DB2 AlphaBlox Theme Customization page, click Next.

🚯 Profile Management Tool	
DB2 AlphaBlox Theme Customization	
WebSphere Business Monitor provides a customized theme for DB2 customized theme, select the following check box.	AlphaBlox. To use this
Use WebSphere Business Monitor theme as DB2 AlphaBlox defa Use WebSphere Business Monitor theme as DB2 AlphaBlox defa	ault theme
< <u>Back</u> <u>N</u> ext >	Einish Cancel

23. From the Database Configuration page, select **DB2 Universal Database** and click **Next**.

👸 Profile Management To	ol				×
Database Configurati	on				3
WebSphere Business Monitor product and enter the informa	components use a ation based on tha	a common dat at product.	abase. Choose a	a database	-
Database product:					
DB2 Universal Database					
Override the destination of Database script output di	lirectory for gene rectory:	rated scripts	- territori		
C:(web5phere)Proc5erv	er62\pronies\Pro	c5rv01(dbscri	pts:wbm		
				Browse	
Database creation options:					
Create a new local databa	ise				
The chosen database pro system.	duct must already	/ be installed a	and configured o	on the local	
C Use an existing database					
You must run the generat has not been created yet	ed scripts manual	lly to create th	ne database if th	ne database	
Database name:					
MONITOR					
Schema name:					
MONITOR					•
6	< <u>B</u> ack	<u>N</u> ext >	Einish	Cancel	

24. From the Database Configuration (Part 2) page, select enter a user name and password and click **Next**.

Jatabase Configura	ation (Part 2)	
Additional information abou configuration for the DB2 L must type the user name a database user must have r User name:	It the database server you are usi Iniversal Database database. For nd password that will be used to c ead and write access on the datat	ing is required to complete database authentication, you connect to the database. The base.
db2admin		
Password:		
•••••		
Confirm password:		
•••••		
<u>L</u> ocation (directory) of JDB	C driver classpath files:	
C:/WebSphere/ProcServe	r62/universalDriver.wbm/lib	
		Browse
10BC driver type:		
C 2		
• 4		
Type 2: Type 2 drivers red Type 2 drivers are common	quire that you have a local installat ily used if your database is create:	tion of the database product. d locally.
Type 4: Type 4 drivers use Type 4 drivers do not requ	e Java implementation to communi ire a database product on your loc k	cate with the actual database :al system. }
	e or IP address:	,
Database server <u>h</u> ost nam		
Database server <u>h</u> ost nam wps120.rchland.ibm.com		
Database server <u>h</u> ost nam wps120.rchland.ibm.com Database TCP/IP service p	or <u>t</u> or listener port:	

25. From the Message Store Type Collection page, click Next.

🏟 Profile Management Tool	8			_ 🗆 🗙
Message Store Type S	Selection			B Ş
You can store messages in a file appropriate for your environme	store or data nt:	store. Choose t	he option that is mos	it 🔺
Data store				
A <i>data store</i> is a messag relational database acce	je store implen ssed using a J	nented as a set o DBC data source	of database tables w	ithin a
C File store				
A <i>file store</i> is a message that is accessed directly	store impleme using the nati	nted as a set of ve operating sys	flat files within a file tem.	system
	< <u>B</u> ack	Next >	Einish	Cancel

26. From the Messaging Engine Data Store Configuration page, click Next.

	ile Management Tool 📃 📃	
Mess	aging Engine Data Store Configuration	ĝ
Configu databa the JNI tables I messag	ure the data store properties. Select a default datasource using the Monitor se, or use an existing data source. To use an existing data store, you must supply DI name for an existing datasource, the database schema name used to contain the for the data store, and the authentication alias name used to authenticate the ging engine to the data store.	-
С	Use existing data source	
C	Use existing data source Data source properties Data source JNDI name	
C	Use existing data source Data source properties Data source JNDI name Schema name	
c	Use existing data source Data source properties Data source JNDI name Schema name IBMWSSIB	
c	Use existing data source Data source properties Data source JNDI name Schema name IBMWSSIB Authentication alias	
c	Use existing data source Data source properties Data source JNDI name Schema name IBMWSSIB Authentication alias (none)	

27. From the Profile Augmentation Summary page, click Augment.

rofile Augmentation Su	mmary	
Review the information in the sum Augment to start augmenting a	mary for correctness. If the information is correct, clicl profile. Click Back to change values on the previous pa	k anels.
WebSphere Business Monitor p application server	profile type to augment: WebSphere Business Monitor	Ē
Location: C:\WebSphere\Pro	cServer62\profiles\ProcSrv01	
Disk space required: 10 MB		
Profile name: ProcSrv01		
Make this profile the default	False	
Cell name: wps120Node01Ce	ell	
Node name: wps120Node01		
Create a new database: Tru	e	
Generated database scripts C:\WebSphere\ProcServer62	location: 2\profiles\ProcSrv01\dbscripts.wbm	
Database product: DB2 Univ	ersal Database	
Database name: MONITOR		
JDBC Driver Location: C:/We	bSphere/ProcServer62/universalDriver.wbm/lib	
JDBC Driver Type: 4		
Database host name: wps12	0.rchland.ibm.com	
Database port number: 5000	00	
Enable administrative securit	y (recommended): True	
Run application server as a s	service: False	
Create a Web server definiti	on: False	Ŀ

28. From the Profile Augmentation Complete page, uncheck Launch WebSphere Business Monitor first steps and click Finish

🚯 Profile Management Tool Profile Augmentation Complete The Profile Management Tool augmented the profile successfully. You must decide whether to federate the application server into a deployment manager cell. To federate the application server, use either the addNode command or the administrative console of the deployment manager. To use the administrative console, the application server must be running. You can start and stop the application server from the command line or the WebSphere Business Monitor first steps. The WebSphere Business Monitor first steps also has links to an installation verification test and other information and features that relate to the application server. Launch the WebSphere Business Monitor first steps To create or augment another profile now, select the following option: Create or augment another profile To start the Profile Management Tool later, use the PMT command in the app_server_root/bin/ProfileManagement directory or the option in the WebSphere Business Monitor first steps. See the information center for more information about WebSphere Business Monitor. Online information center link h Next > Finish

Now you can verify the installation of WebSphere Business Monitor.

Verifying the installation of WebSphere Business Monitor 6.2

Check settings and behavior to ensure the software is running.

Verification step instructions provides quick understanding of what to check to make sure the software is running properly.

Start browser and enter WebSphere administrative console, like
http://hostname:port/ibm/console

For example: http://localhost:9060/ibm/console.

Several WebSphere Business Monitor applications are installed, and all have been started.

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