# IBM WebSphere Integration Developer Version 7.0 WebSphere test environment (Optional) IBM Lotus Forms Server V3.5.1 FP1 Installation

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# What this exercise is about

The objective of this exercise is to provide step by step instructions for installing IBM WebSphere Integration Developer V7.0, the WebSphere test environment, and update with latest available refresh pack, fixes, and extensions. If you are installing WebSphere Integration Developer V7.0 and WebSphere test environment for the first time, you will update it with the latest available refresh pack at the same time when you install WebSphere Integration Developer V7.0. Instructions are also provided to update WebSphere Integration Developer V7.0 and the WebSphere test environment with the latest available refresh pack using the Update Packages wizard in the IBM Installation Manager. Optionally install and configure IBM Lotus Forms Server V3.5.1 with the WebSphere Process Server test environment.

# **Exercise requirements**

List of software required for the student to complete the exercise:

- IBM Installation Manager V1.3.3
- IBM WebSphere Integration Developer V7.0 (Updated with the latest available refresh pack)
- WebSphere test environment (Updated with the latest available refresh pack)
- (Optional) Lotus Forms Server V3.5.1 Fixpack 1

# What you should be able to do

At the end of this exercise you should be able to:

- Install IBM Installation Manager V1.3.3
- Optionally install IBM Lotus Forms Designer V3.5.1 Fixpack 1
- Install IBM WebSphere Integration Developer V7.0 with the required features (Updated with the latest available refresh pack)
- Install WebSphere test environment (Updated with the latest available refresh pack)
  - o Create these WebSphere Process Server V7.0 profiles by choice
    - Create stand-alone development WebSphere Process Server profile
    - Create stand-alone development WebSphere Enterprise Service Bus profile
  - Create these WebSphere Business Monitor V7.0 profiles by choice
    - Create stand-alone development WebSphere Business Monitor profile
    - Create stand-alone development WebSphere Monitor on WebSphere Process Server profile
    - Create stand-alone development WebSphere Monitor on WebSphere Enterprise Service Bus profile
- Optionally install Lotus Forms Server V3.5.1 Fixpack 1

# **Exercise Instructions**

Some instructions in this exercise might be Windows operating-system specific. If you plan on running the exercise on an operating-system other than Windows, you will need to run the appropriate commands, and use appropriate files (.sh or .bat) for your operating system. The directory locations are specified in the exercise instructions using symbolic references, as follows:

Reference Variable	Windows Location	AIX/UNIX Location
<wid_home></wid_home>	C:\IBM\WID7	
Shared Resources Directory	C:\IBM\SDPShared	
Installation Manager Directory	C:\IBM\Installation Manager\eclipse	
<wte_home></wte_home>	C:\IBM\WID7_WTE\runtimes\bi_v7	
<wte_profile_home></wte_profile_home>	<wte_home>\profiles\qwps (or qmwps)</wte_home>	
<lfserver_home></lfserver_home>	C:\IBM\LotusForms\Server\3.5	
<pre><wfserver_profile_home></wfserver_profile_home></pre>	<wte_home>\profiles\AppSrv01</wte_home>	

**Windows users' note**: When directory locations are passed as parameters to a Java program such as EJBdeploy or wsadmin, it is necessary to replace the backslashes with forward slashes to follow the Java convention.

The following are the installation files you need to complete the exercise:

Product	File Name (Windows)	
	WID_V7.0_Install_1.zip	
WebSphere Integration Developer V7.0	WID_V7.0_Install_2.zip	
	WID_V7.0_Install_3.zip	
WebSphere test onvironment	WID_V7.0_Install_4.zip	
	WID_V7.0_Install_5.zip	
(Optional) Lotus Forms Server V3.5.1 FP 1	CZ28LML.exe	

# Introduction:

WebSphere Integration Developer is a development environment for end-to-end integration of service oriented applications. It is the Eclipse-based tool for building SOA-based business process management (BPM) and integration solutions across WebSphere Process Server, WebSphere Enterprise Service Bus, WebSphere Adapters and optionally WebSphere Business Monitor.

IBM WebSphere Business Monitor Development Toolkit V7.0 is now part of WebSphere Integration Developer V7.0 installation. You can optionally select to install the Monitor Model Editor when you install WebSphere Integration Developer. The Monitor Model Editor provides wizards, libraries, and a test environment to help you create and test monitor models. WebSphere Business Monitor development toolkit can also be installed in an existing Rational Application Developer or WebSphere Integration Developer environment.

In this exercise, you will use the IBM Installation Manager V1.3.3 to install WebSphere Integration Developer V7.0 by selecting the features necessary for your development environment. If you are installing WebSphere Integration Developer V7.0 for the first time, you will update it with the latest available refresh pack (Version 7.0.0.0.101 at the time of writing this document) at the same time when you install WebSphere Integration Developer V7.0. However, instructions are also provided to update WebSphere Integration Developer V7.0 with the latest version of the refresh pack using the Update Packages wizard in the IBM Installation Manager.

You will eventually install the WebSphere test environment to achieve a stand-alone runtime environment good for development. If you are installing the WebSphere test environment for the first time, you will update it with the latest available refresh pack (Version 7.0.0.0.1 at the time of writing this document) at the same time when you install WebSphere Process Server V7.0 or WebSphere Business Monitor V7.0.

Optionally you will install Lotus Forms Server V3.5.1 Fixpack 1 and manually deploy the Lotus Forms API to the WebSphere Process Server stand-alone profile.







# Part 1: Preparing for the Installation Image

In this part of the exercise, the WebSphere Integration Developer and WebSphere test environment DVD images are obtained and extracted -- creating the correct on-disk structure for the installation image.

1. The following are the installation files needed to install the WebSphere Integration Developer V7.0

Product	File Name (Windows)	
	WID_V7.0_Install_1.zip	
WebSphere Integration Developer V7.0	WID_V7.0_Install_2.zip	
	WID_V7.0_Install_3.zip	

- 2. Obtain the WebSphere Integration Developer DVD image and extract in such a way to create the correct on-disk structure for the installation image
  - \_\_\_\_\_a. Extract the WebSphere Integration Developer V7.0 installation archives to a directory (for example C:\WID70CDimage). Using file archiver software, right-click each files and select Extract here from the pop-up menu. Click Yes to All to overwrite the contents when prompted. Confirm that the directories and files are extracted correctly; it should appear similar to the picture below:

🗁 C:\WI	D70CDImage	
A <u>d</u> dress	🛅 C:\WID70CDImage	💌 🄁 Go
iadisk1	Paunchpad.ini Iaunchpad.sh pad In.inf pad.exe	

\_\_\_\_\_3. The following are the installation files needed to install the WebSphere test environment:

Product	File Name	
WebSphere test environment	WID_V7.0_Install_4.zip	
websphere test environment	WID_V7.0_Install_5.zip	

- 4. Obtain the WebSphere test environment DVD image and extract in such a way to create the correct on-disk structure for the installation image
  - \_\_\_\_\_a. Extract the WebSphere test environment installation archives to a directory (for example C:\WTE70CDImage). Using file archiver software, right-click each files and select Extract here from the pop-up menu. Click Yes to All to overwrite the contents when prompted. You should see a directory named; WTE\_Disk created with the extracted contents. Confirm that the directories and files are extracted correctly; it should appear similar to the picture below:

	C:\WTE70CDImage\WTE_Disk			_ 🗆 🗙	
	Address	( :) 🛅	WTE70CDImage\WTE_	Disk 💌	<b>&gt;</b> 60
	🛅 IM_lin	ux	🛅 WAS_Linux		
	🛅 IM_wi	n32	🛅 WAS_SYNC		
	🛅 reposi	itory	🛅 WAS_Win32		
🗉 🚞 WTE70CDImage	🚞 scripts	5			
표 🛅 WTE_Disk	ļ				

5. Now, from the C:\WTE70CDImage directory where you extracted the WebSphere test environment archives, copy the WTE\_Disk directory and paste it to the C:\WID70CDImage directory. Confirm that the new WebSphere Integration Developer installation image is as shown in the pictures below:

🗁 C:\WI	D70CDImage\WTE_Disk	_ 🗆 🗙
A <u>d</u> dress	🛅 C:\WID70CDImage\WTE_Disk  🚽	🔁 Go
iIM_linu IM_win reposit	IX IIII WAS_Linux I32 IIIII WAS_SYNC ory IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	

**Note:** For the WebSphere Integration Developer Common Launchpad to recognize the WebSphere test environment installation image, it must be named as **WTE\_Disk** and placed in the peer level to the WebSphere Integration Developer launchpad executable file (launchpad.exe) as shown below:

	🗁 C:\WID700	DImage	_ 🗆 🗵
	Address 🛅 C	:\WID70CDImage	💌 🄁 Go
🖂 🚞 WID70CDImage	adisk1	科 autorun.inf	
표 🧰 disk1	adisk2	alaunchpad.exe	
🕀 🛅 disk2	aunchpad	📴 launchpad.ini	
🕀 🛅 launchpad	WTE Disk	🗟 launchpad.sh	
🗉 🗁 WTE_Disk			

# Part 2: Install WebSphere Integration Developer Version 7.0

This part of the exercise provides step-by-step instructions for installing the WebSphere Integration Developer V7.0 using IBM Installation Manager V1.3.3 launched from the launchpad program. You will optionally select the Monitor Model Editor for installation. If you are installing WebSphere Integration Developer V7.0 for the first time on this machine, you will update it with the latest available refresh pack (Version 7.0.0.0.101 at the time of writing this document) at the same time when you install WebSphere Integration Developer V7.0. However, instructions are also provided to update WebSphere Integration Developer V7.0 with the latest version of the refresh pack using the Update Packages wizard in the IBM Installation Manager.

Complete the instructions below to install WebSphere Integration Developer V7.0:

1. Navigate to the directory where the correct on-disk structure for the installation image was created

🗁 C:\WID70CDImage 📃 🗖 🗙			
Address 🛅 C:\\	💌 🄁 Go		
🛅 disk1	autorun.inf		
iiskz iaunchpad	launchpad.ini		
💼 WTE_Disk	🗟 launchpad.sh		

2. Double-click launchpad.exe to launch the Common Launchpad

IBM WebSphere Inte Launchpad	egration Developer V7.0 Select a language: English
WebSphere Integration Developer Installation	Welcome to WebSphere Integration Developer
Optional Products Installation	Installation
Release Information	The installation requires that you first install WebSphere Integration Developer and then install the test environment.
EXIC	The default installation requires 6.5 GB of disk space.
	<b>Note:</b> You can install using this launchpad only as an administrative or root user. To install as a non-root user, see <u>these instructions</u> .
	Complete the following steps in order:
	<ol> <li>Install IBM® WebSphere® Integration Developer V7.0 Installs WebSphere Integration Developer.</li> <li>Install WebSphere Application Server WebSphere test environment installation first requires that</li> </ol>
	3. Install the WebSphere test environment
	© Copyright IBM Corporation 2000, 2009. All Rights Reserved.
IBM.	

- <u>3</u>. Click the **WebSphere Integration Developer Installation** link to the left navigation pane and then click the **Install IBM WebSphere Integration Developer V7.0** to launch the Installation Manager
- 4. The IBM Installation Manager V1.3.3 is launched. You should see a list of the packages shown below:

\_ a. IBM Installation Manager  $\rightarrow$  Version 1.3.3

\_\_b.IBM WebSphere Integration Developer > Version 7.0.0.0

\_\_\_C. IBM Lotus Forms Designer → Version 3.5.1 Fixpack 1

**Note:** You will not see **IBM Installation Manager** (Version 1.3.3) listed for installation in the panel, if it was already installed on this machine. Also the **IBM Lotus Forms Designer** (Version 3.5.1 **Fixpack 1**) entry is not available and displays the status as installed if it is already installed on this machine.

Installation Packages	Status	Vendor	License Key Type
🖃 🔲 🚺 IBM® Lotus® Forms Designer	Installed		
🛄 🕅 🕅 🖉 Version 3.5.1 Fixpack 1		IBM	
🗄 🗹 🧊 IBM® WebSphere® Integration Developer			
🔤 🕅 0 Version 7.0.0.0		IBM	Permanent

nstall Packages				
Select the packages to install.				
Installation Packages	Status	Vendor	License Key Type	
📮 🔽 🧊 IBM® Installation Manager				
🔽 🕠 Version 1.3.3		IBM	No key required	
🖃 🔲 🚺 IBM® Lotus® Forms Designer				
Image: I		IBM		
		TOM	Devesseet	
Show all versions	<u>C</u> heck	for Other V	ersions and Extensions	
Details				
IBM® Installation Manager 1.3.3				
IBM® Installation Manager More info				
<ul> <li>Repository: C:\WID70CDImage\disk1\IM_win32</li> </ul>				

**Note 1:** If the Installation Manager Version 1.3.3 is already installed on this machine, it is launched automatically and you are not prompted for an installation.

**Note 2:** If you do **not** want to update with the latest refresh pack, do not click the **Check for Other Versions and Extensions** button. Select the required packages and click **Next**.

5. Click **Check for Other Versions and Extensions** button to search for the available refresh packs, fixes and extensions. This action gives you an opportunity to update the packages with the latest refresh packs, fixes and extensions at the same time when you install WebSphere Integration Developer V7.0

**Note:** At the time of writing this document, the latest refresh pack version is 7.0.0.101. Ensure your machine is connected to the network accessible to the WebSphere Integration Developer live repository Web site.

6. Once the search is complete, you should see an information dialog similar to the one shown in the picture below, displaying the number of other versions found



7. Click ox. You should see the Install Packages panel updated with the latest available packages, for example WebSphere Integration Developer Version 7.0.0.101

**Note:** The Installation Manager only lists the latest versions of the packages available at the time of search. If you want to install an older version, select the **show all versions** check box. You should see all the available versions as shown below:

Installation Packages	Status	Vendor	License Key Type
🖃 🔽 🧊 IBM® Installation Manager			
🔽 😱 Version 1.3.3		IBM	No key required
🖻 🔽 🧊 IBM® Lotus® Forms Designer			
🔤 🕅 🖓 Version 3.5.1 Fixpack 1		IBM	
🗄 🗹 🧊 IBM® WebSphere® Integration Developer			
		IBM	Permanent
		IBM	Permanent
🔤 🕅 🖓 Version 7.0.0.101		IBM	Permanent
Show all versions			

In this exercise, you will install WebSphere Integration Developer V7.0.0.101.

8. In the select packages panel, select the packages with the appropriate versions you like to install

\_ a. Select IBM Installation Manager  $\rightarrow$  Version 1.3.3

- \_ b. Select IBM WebSphere Integration Developer  $\rightarrow$  Version 7.0.0.101
- \_\_\_\_ C. Optionally select IBM Lotus Forms Designer -> Version 3.5.1 Fixpack 1

icense Key Type o key required	
o key required	
ermanent	
ons and Extensions	
ntegrated applications ere test environment,	
ling/wid/700/updates	1
nti er	egrated applications e test environment, ng/wid/700/updates/

#### 9. Click Next

- 10. In the next panel, read the license agreements. If you agree to the terms, select the radio button for I accept the terms in the license agreements and Click Next
- \_\_\_\_\_11. In the next **Install Packages** panel, read the instructions over the panel and follow the them accordingly:
  - \_\_\_\_ a. Click the Browse button or type for the Shared Resources Directory field, to set the shared resources directory location to C:\IBM\SDPShared
  - \_\_\_\_\_b. Click the Browse button or type for the Installation Manager Directory field to set the Installation Manager installation location to C:\IBM\Installation Manager\eclipse

**Note:** You will not see this panel, if WebSphere Business Modeler Advanced V7.0 or any package was installed using the Installation Manager and a shared resources directory was created on this machine. Remember that only one instance of the shared resource directory is created as it can be shared by multiple packages.

IBM Installation Manager	
Install Packages	1
Select a location for the shared resources directory and a location for Installation Manager.	3
Install Licenses Location Features Summary	
When you install packages, files are stored in two locations:	
<ol> <li>The shared resources directory - resources that can be shared by multiple packages.</li> <li>The installation directory - any resources that are unique to the package that you are installing</li> </ol>	
Important: You can only select the shared resources directory the first time you install a package with the IBM Installation Manager. For best results select the drive with the most available space because it must have adequate space for the shared resources of future packages.	
Shared <u>R</u> esources Directory: C:\IBM\SDPShared Browse	
Once installed, IBM Installation Manager will be used to install, update, modify, manage and uninstall your packages.	
Installation <u>Manager Directory</u> : C:\IBM\Installation Manager\eclipse Br <u>o</u> wse	
Disk Space Information	
Volume Available Space C: 29.24 GB	
< Back	

**Note:** The Installation Manager Directory field is not available if it was already installed. Remember that only one instance of an Installation Manager can be installed on a machine.

- \_\_\_\_ 12. Click **Next**
- 13. In the next panel, ensure the radio button for Create a new package group is selected and click the Browse button or type to set the Installation Directory for the WebSphere Integration Developer package group to C:\IBM\WID7

IBM Installation Manager	
Install Packages A package group is a location that contains one or more packag package group only and will share a common user interface. Sel	es. Extensions can be installed into a common ect an existing package group, or create a new one
Install Licenses Location Feat	ures Summary
• Use the existing package group	
O ⊆reate a new package group	
Package Group Name	Installation Directory
$\cdots$ $\mathbb{P}_{\mathbf{R}_{0}}$ IBM WebSphere Integration Developer	C:\IBM\WID7
Package Group Name: IBM WebSphere Integration Developer	
Installation Directory: C:\IBM\WID7	Browse
Details	Disk Space Information
Shared Resources Directory: C:\IBM\SDPShared	Volume Available Space C: 29.24 GB
)	< <u>B</u> ack Next > Install Cancel

## \_\_\_\_\_ 14. Click Next

15. In the next panel, select the check box for the required language. English is a mandatory selection and hence the option is already selected and not available

Install Pac Select the transle	kages ations to install.				
Install	Licenses Location	on Fea	tures Summary	DO	Longer,
Translations		0.0000.000 k 1.00 k			-
🐖 English	Brazilian P <u>o</u> rtuguese	Czech	Erench	🔲 <u>G</u> erman	
Hungarian	🔲 I <u>t</u> alian	🔲 Japanese	L Korean	🗖 Polish	
Ru <u>s</u> sian	Simplified Chinese	🗖 Sganish	Traditional Chinese	•	
		1	< Rack Next >	Inchal	Cance

- \_\_\_\_\_ 16. Click **Next**
- \_\_\_\_\_17. In the next feature selection panel, click the **Expand All** button to see all the options and select the check boxes for:
  - (Mandatory) IBM Installation Manager 1.3.3

- (Optionally select) IBM Lotus Forms Designer 3.5.1 Fixpack 1  $\rightarrow$  Lotus Forms Designer
- IBM WebSphere Integration Developer 7.0.0.101
  - → (Optionally select) E-mail, Flat File, FTP and JDBC IBM WebSphere Adapters
  - → (Optionally select) Additional IBM WebSphere Adapters
  - → (Optionally select) Local help contents
  - → (Optionally select) Monitor Model editor
  - → (Optionally select) Client development tools
  - → (Optionally select) Lifecycle integration clients
  - → (Optionally select) Additional development tools

Install Packages         Select the features to install.         Instal       Licenses       Location       Features       Summary         Features       Image: Summary       Image: Summary       Image: Summary         Image: Summary       Image: Summary       Image: Summary       Image: Summary       Image: Summary         Image: Summary       Image: Summary       Image: Summary       Image: Summary	1 Installation Manager				
Select the features to install.  Instal Licenses Location Features Summary  Features  Features Features Fe	Install Packages				
Install       Licenses       Location       Features         Image: Second Seco	Select the features to inst	all.			
Instant       Lectrods       Lectrods       Lectrods       Lectrods         Features       Image: Image	Install Licens	es Location	Features	Summary	
Features         Image: Provide the second				Jammary	
Integration Manager 1.3.3         Image: Installation Manager 1.3.3         Image: Installation Period         Image: Image: Installation Period         Image:	Features	ine Manager 1, 2, 2			
Lotus Forms Designer Orbits (Points Designer Orbits (Points Designer Orbits (Points Designer Orbits)) Lotus Forms Designer Orbits (Points Designer Orbits) E-mail, Flat File, FTP and JDBC IBM WebSphere Adapters Local help contents Monitor Model editor Monitor Monitor Monager because of dependencies Details IBM® WebSphere Integration Developer 7.0.0.101 Use WebSphere Integration Developer 7.0.0.0 level or above.		ion Manager 1.3.3 Forms Designer 3.5.1 Fi	vpack 1		
		is Designer	Apack I		
E-mail, Flat File, FTP and JDBC IBM WebSphere Adapters      Additional IBM WebSphere Adapters      Local help contents      Monitor Model editor      Model editor      Model editor      Model editor      Model editor      Monitor Model editor      Mode	E IBM® WebSph	ere® Integration Deve	oper 7.0.0.101		
Additional IBM WebSphere Adapters Local help contents Monitor Model editor Monitor Model editor Monitor Model editor Client development tools Lifecycle integration clients Additional development tools Show dependencies Show dependencies Selected by Installation Manager because of dependencies Details IBM® WebSphere® Integration Developer 7.0.0.101 Use WebSphere Integration Developer to build, test, and deploy standards-based integrated applications from loosely coupled services and business processes. If you plan to use a WebSphere test environment, it must be at the WebSphere Process Server 7.0.0.0 level or above. Disk Space Information Volume Volume Kequired Temporary Total Available	E-mail, Flat	: File, FTP and JDBC IBM	WebSphere Adapt(	ers	
□       Local help contents         ■       Monitor Model editor         ■       □         □ <td< td=""><td>🗄 🗖 🚯 Additional i</td><td>IBM WebSphere Adapte</td><td>rs</td><td></td><td></td></td<>	🗄 🗖 🚯 Additional i	IBM WebSphere Adapte	rs		
<ul> <li>Monitor Model editor</li> <li>Monitor Model editor</li> <li>Client development tools</li> <li>Lifecycle integration clients</li> <li>Additional development tools</li> <li>Show dependencies</li> <li>Show dependencies</li> <li>Selected by Installation Manager because of dependencies</li> </ul> Details IBM® WebSphere® Integration Developer 7.0.0.101 Use WebSphere Integration Developer to build, test, and deploy standards-based integrated applications from loosely coupled services and business processes. If you plan to use a WebSphere test environment, it must be at the WebSphere Process Server 7.0.0.0 level or above. Disk Space Information Volume Required Temporary Total Available	Local help	contents			
Client development tools  Client development tools  Client development tools  Client development tools  Additional development tools  Client development development tools  Client development deve	Monitor Mo	del editor			
Additional development tools  Additional development tools  Show dependencies  Show dependencies  Selected by Installation Manager because of dependencies  Details  IBM® WebSphere® Integration Developer 7.0.0.101 Use WebSphere Integration Developer to build, test, and deploy standards-based integrated applications from loosely coupled services and business processes. If you plan to use a WebSphere test environment, it must be at the WebSphere Process Server 7.0.0.0 level or above.  Disk Space Information  Volume Required Temporary Total Available	🗄 🛄 🏠 Client deve	lopment tools			
<ul> <li>Additional development cools</li> <li>Show dependencies</li> <li>Show dependencies</li> <li>Selected by Installation Manager because of dependencies</li> <li>Details</li> <li>IBM® WebSphere® Integration Developer 7.0.0.101</li> <li>Use WebSphere Integration Developer to build, test, and deploy standards-based integrated applications from loosely coupled services and business processes. If you plan to use a WebSphere test environment, it must be at the WebSphere Process Server 7.0.0.0 level or above.</li> <li>Disk Space Information</li> </ul>	Additional	development tools			
<ul> <li>Show dependencies</li> <li>Selected by Installation Manager because of dependencies</li> <li>Details</li> <li>IBM® WebSphere® Integration Developer 7.0.0.101</li> <li>Use WebSphere Integration Developer to build, test, and deploy standards-based integrated applications from loosely coupled services and business processes. If you plan to use a WebSphere test environment, it must be at the WebSphere Process Server 7.0.0.0 level or above.</li> <li>Disk Space Information</li> </ul>					1
<ul> <li>Selected by Installation Manager because of dependencies</li> <li>Details</li> <li>IBM® WebSphere® Integration Developer 7.0.0.101</li> <li>Use WebSphere Integration Developer to build, test, and deploy standards-based integrated applications from loosely coupled services and business processes. If you plan to use a WebSphere test environment, it must be at the WebSphere Process Server 7.0.0.0 level or above.</li> <li>Disk Space Information</li> </ul>	Show dependencies		E×	pand Allollapse All	<u>R</u> estore Default
Details         IBM® WebSphere® Integration Developer 7.0.0.101         Use WebSphere Integration Developer to build, test, and deploy standards-based integrated applications from loosely coupled services and business processes. If you plan to use a WebSphere test environment, it must be at the WebSphere Process Server 7.0.0.0 level or above.         Disk Space Information         Volume       Required         Temporary       Total	🍲- Selected by Installatio	n Manager because of c	lependencies		
IBM® WebSphere® Integration Developer 7.0.0.101         Use WebSphere Integration Developer to build, test, and deploy standards-based integrated applications from loosely coupled services and business processes. If you plan to use a WebSphere test environment, it must be at the WebSphere Process Server 7.0.0.0 level or above.         Disk Space Information         Volume         Temporary         Total         Available	Details				
Use WebSphere Integration Developer to build, test, and deploy standards-based integrated applications from loosely coupled services and business processes. If you plan to use a WebSphere test environment, it must be at the WebSphere Process Server 7.0.0.0 level or above. Disk Space Information Volume Required Temporary Total Available	IBM® WebSphere® Int	egration Developer	7.0.0.101		
loosely coupled services and business processes. If you plan to use a WebSphere test environment, it must be at the WebSphere Process Server 7.0.0.0 level or above. <b>Disk Space Information</b> Volume Required Temporary Total Available	Use WebSphere Integratio	n Developer to build, te	st, and deploy stand	dards-based integrated	applications from
at the WebSphere Process Server 7.0.0.0 level or above. Disk Space Information Volume Required Temporary Total Available	loosely coupled services ar	id business processes. I	f you plan to use a '	WebSphere test enviro	nment, it must be
Disk Space Information Volume Required Temporary Total Available	at the WebSphere Process	Server 7.0.0.0 level or	above.		
Volume Required Temporary Total Available	Disk Space Information	1			
Foldino Regarda Folippitary Foldi Hitaliabio		Volume Required	Temporary	Total	Available
Shared Resources Area         C:         1.00 GB         647.05 MB         1.63 GB         27.89 GB           Textellation         Directory         Ci         755.03 MB         42.74 MB         700 F0 MB         27.09 GB	Shared Resources Area	C: 1.00 GB	647.05 MB	1.63 GB	27.89 GB
Installation Directory C: 755.65 Mb 45.74 Mb 799.56 Mb 27.69 Gb	Installation Directory	C: 755.63 MB	43.74 MB	799.50 MD	27.09 GD
< <u>B</u> ack <u>N</u> ext > Install Cancel			< <u>B</u> ack	Next > Insta	Cancel

**Note:** Ensure you have enough space to complete the WebSphere Integration Developer installation successfully.

- \_\_\_\_\_ 18. Click **Next**
- 19. Verify the WebSphere Integration Developer installation summary in the next panel

1 Installation Manager		
Review the summary informa	ation. Click Back to make changes or click Ir	istall.
Install Licenses	Location Features	Summary
Target Location		
Package Group Name: Installation Directory:	IBM WebSphere Integration Developer C:\IBM\WID7	
Shared Resources Directory	:: C:\IBM\SDPShared	
Packages		
<ul> <li>Lotus Forms De</li> <li>IBM® WebSphere@</li> <li>IBM® E-mail, Flat File</li> <li>IBM® Monitor Model e</li> </ul>	signer 9 Integration Developer 7.0.0.101 , FTP and JDBC IBM WebSphere Adapters editor	
Environment		Disk Space Information
English		Total Available Sp C: 27.89
		Total Download Size: 1.5 Total Installation Size: 2.4
Repository Information	n	

## 20. Click Install to continue with the installation. The installation progresses

Installing.: Retrieving files. 314 MB of 2.4 GB (13%) completed.	Davies Davieland	C 1
	Pause Download	

🖄 IBM Installation Manager	
Install Packages  The packages are installed. <u>View Loq File</u> The following packages were installed into package group IBM WebSphere Integration Developer:	
<ul> <li>IBM® Lotus® Forms Designer</li> <li>Lotus Forms Designer</li> <li>IBM® WebSphere® Integration Developer</li> <li>E-mail, Flat File, FTP and JDBC IBM WebSphere Adapters</li> <li>Monitor Model editor</li> </ul>	
Installation Manager was successfully installed into: C:\IBM\Installation Manager\eclipse Note: If the packages support rollback, the temporary directory contains rollback files for installed packages. You can delete the files on the <u>Files for</u> <u>rollback</u> preference page.	_
0	Einish

\_\_\_\_\_ 21. Click Finish when the installation is complete

## Part 3: Install the WebSphere test environment

In this part of the exercise, you will create a WebSphere test environment by choice. Using the WebSphere Integration Developer V7.0 common launchpad, you will install WebSphere Application Server V7.0.0.7, WebSphere Process Server V7.0 and WebSphere Business Monitor V7.0 binaries. You will also create WebSphere Process Server, WebSphere Enterprise Service Bus or WebSphere Business Monitor stand-alone profiles with process server and enterprise service bus capabilities using the stand-alone profile development template by choice.

Complete the instructions below to create the WebSphere test environment:

1. Navigate to the directory where the correct WebSphere Integration Developer on-disk installation image was created:

	C:\WID70CI	DImage	
	Address 🛅 C:	\WID70CDImage	💌 🄁 Go
🖂 🛅 WID70CDImage	adisk1	降 autorun.inf	
🕀 🧰 disk1	🛅 disk2	aunchpad.exe	
🗄 🧰 disk2	aunchpad 📄	婱 launchpad.ini	
🗉 🧰 launchpad	🛅 WTE_Disk	🔟 launchpad.sh	
🗉 🖾 WTE_Disk			

2. Double-click **launchpad.exe** to launch the WebSphere Integration Developer common launchpad:

IBM WebSphere Integration Department of Department Department of Depa	eveloper V7.0 Launchpad
IBM WebSphere Inte Launchpad	gration Developer V7.0 Select a language: English 💌
WebSphere Integration Developer Installation	Welcome to WebSphere Integration Developer
Optional Products Installation	Installation
Release Information	The installation requires that you first install WebSphere Integration Developer and then install the test environment.
Exit	The default installation requires 6.5 GB of disk space.
	<b>Note:</b> You can install using this launchpad only as an administrative or root user. To install as a non-root user, see <u>these instructions</u> .
	Complete the following steps in order:
	1. 🖏 Install IBM® WebSphere® Integration Developer V7.0
	Installs WebSphere Integration Developer. 2. 🖄 <u>Install WebSphere Application Server</u>
	WebSphere test environment installation first requires that WebSphere Application Server be installed.
	3. 🖏 <u>Install the WebSphere test environment</u>
	Completes the installation of the test environment.
	© Copyright IBM Corporation 2000, 2009. All Rights Reserved.
IBM.	

\_ 3. In the WebSphere Integration Developer Common Launchpad, click the WebSphere Integration Developer Installation link to the left and click the Install WebSphere Application Server link. This action silently installs WebSphere Application Server V7.0.0.7 and then imports the WebSphere Application Server repository to the Installation Manager.

**Note 1:** Do not click the **Install WebSphere Application Server** link until the WebSphere Integration Developer installation is complete. If so, you will see a warning pop-up shown below:

IBM Web	Sphere Integration Developer ¥7.0 Launchpad
⚠	Unable to detect a WebSphere Integration Developer installation, and therefore unable to install the WebSphere test environment. See the information center for steps to manually install the WebSphere test environment.
	ОК

4. A warning dialog pops up, requesting to close the IBM Installation Manager if it is already installed and running at this time. Close the Installation Manager if it is already installed and running



\_\_\_\_ 5. Click or

**Note** : The WebSphere Application Server installation directory is created at the peer level to the WebSphere Integration Developer installation directory and the directory is named as <wid\_home\_directory\_wid\_(for example, wid7\_wid))

	🗄 🧰 WID7	
	Example: 🖽 🧰 WID7_WTE	
6	Installing WebSphere Application Server (this will take some time and the progress bar will not advance)	
0.	stating that the WebSphere Application Server installation was successful Installation Complete.	
	IBM WebSphere Integration Developer V7.0 Launchpad X WebSphere Application Server installation was successful.	
7.	Click ox	

**Note:** Navigate to the WebSphere Application Server installation home logs directory, <WTE\_HOME>\logs\install to verify the installation status. Open the log.txt file and scroll to the end of the file. You should see the status reported as INSTCONFSUCCESS.

**Note:** The Installation Manager is installed to a default location. For Example on Windows, it is installed at C:\Program Files\IBM\BPMShared.

8. Back to the WebSphere Integration Developer Common Launchpad, click Install the WebSphere test Environment link

IBM WebSphere Integration D	eveloper ¥7.0 Launchpad
IBM WebSphere Inte Launchpad	gration Developer V7.0 Select a language: English 💽
WebSphere Integration Developer Installation	Welcome to WebSphere Integration Developer
Optional Products Installation	Installation
Release Information	The installation requires that you first install WebSphere Integration Developer and then install the test environment.
EXIC	The default installation requires 6.5 GB of disk space.
	<b>Note:</b> You can install using this launchpad only as an administrative or root user. To install as a non-root user, see <u>these instructions</u> .
	Complete the following steps in order:
	1. 🖏 Install IBM® WebSphere® Integration Developer V7.0
	Installs WebSphere Integration Developer.
	2. 🖄 Install WebSphere Application Server
	WebSphere test environment installation first requires that WebSphere Application Server be installed. 3. 🏂 <u>Install the WebSphere test environment</u>
	Completes the installation of the test environment.
	© Copyright IBM Corporation 2000, 2009. All Rights Reserved.
IBM.	

- 9. The IBM Installation Manager V1.3.3 is launched. You should see a list of the packages shown below:
  - \_\_\_\_ a. WebSphere Business Monitor  $\rightarrow$  Version 7.0.0.0
  - \_\_\_\_ b. WebSphere Process Server  $\rightarrow$  Version 7.0.0.0
  - \_\_ c.IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) →Version 1.0.1.0 → PM00971 1.0.1.0
  - \_ d.IBM WebSphere Application Server V7 Feature Pack for XML  $\rightarrow$  Version 1.0.0.0

🖆 IBM Installation Manager			_ 🗆 ×
Install Packages			
Select the packages to install.			
Installation Packages	Status	Vendor	License Key Type
□□□□ 10 IBM® WebSphere® Business Monitor		IBM	
IBM WebSphere R Process Server      Immed III IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture	e (SCA)	IBM	
E Version 1.0.1.0	0 (2 0. 1)	IBM	
		IBM	
Show all versions	eck for Ot	her Versio	ns and Extensions
Details			
IBM® WebSphere® Process Server 7.0.0.0			
IBM WebSphere Process Server More info			
<ul> <li>Repository: C:\WID70CDImage\WTE_Disk\repository</li> </ul>			
⑦ < Back Next	>	Install	Cancel

**Note:** If you do **not** want to update with the latest refresh pack, do not click the **Check for Other Versions and Extensions** button. Select the required packages and click **Next**.

10. Click Check for Other Versions and Extensions button to search for the available refresh packs, fixes and extensions. This action give you an opportunity to update the packages with the latest available refresh packs, fixes, extensions and so on at the same time when you install the WebSphere test environment

**Note:** At the time of writing this document, the latest refresh pack for WebSphere Process Server is Version 7.0.0.1. Ensure your machine is connected to the network accessible to the WebSphere Process Server repository Web site.

\_\_\_\_11. Once the search is complete, you should see an information dialog similar to the one shown in the picture below displaying the number of other versions found



12. Click ox. You should see the Install Packages panel updated with the latest available packages, for example WebSphere Process Server Version 7.0.0.1 **Note:** The Installation Manager only lists the latest version of the packages available at the time of search. If you want to install an older version, select the **show all versions** check box. You should see all the available versions as shown below:

Installation Packages	Status	Vendor	License Key
🖃 🗖 🧊 IBM® WebSphere® Business Monitor			
🗌 🗖 🕅 🖓 Version 7.0.0.0		IBM	
🖻 🗖 🧊 IBM® WebSphere® Process Server			
📄 🗖 🕠 Version 7.0.0.0		IBM	
□ IR35042 7.0.0.0			
📄 🗖 🕠 Version 7.0.0.1 <		IBM	
🔄 🖓 JR35206 7.0.0.1 룾 🗕			
📙 🗇 🔲 🚺 IBM WebSphere Application Server V7 Feature Pack for Service Component Arc	hitecture (SCA)		
🗎 🗇 🗖 🕅 🖓 Version 1.0.1.0		IBM	
PM00971 1.0.1.0			
📔 🛄 🛄 Version 1.0.1.1 🛛 🚤 🔤		IBM	
🖻 🔲 🧊 IBM WebSphere Application Server V7 Feature Pack for XML			
🗌 🔤 🛄 Version 1.0.0.0		IBM	
Universion 1.0.0.1		IBM	
Show all versions	heck for Other V	ersions an	d Extensions

In this exercise, you will install WebSphere Process Server Version 7.0.0.1.

\_\_\_\_\_13. In the select packages panel, select the packages with the appropriate versions you like to install

- \_\_\_a. Optionally select WebSphere Business Monitor →Version 7.0.0.0
- \_\_\_\_b. Select WebSphere Process Server → Version 7.0.0.1 → JR35206 7.0.0.1
- \_\_\_C. Select IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) →Version 1.0.1.1
- \_\_\_\_\_d. Select IBM WebSphere Application Server V7 Feature Pack for XML → Version 1.0.0.1

🛓 IBM Installation Manager			
Install Packages			
Select the packages to install.			
Installation Packages	Status	Vendor	License Key
🖃 🔽 🧊 IBM® WebSphere® Business Monitor			
<b>⊡</b> 🖓 Version 7.0.0.0		IBM	
E IBM® WebSphere® Process Server			
🖻 🐨 🗹 🕼 Version 7.0.0.1		IBM	
🛛 🖉 🗊 JR35206 7.0.0.1			
🛛 🖃 💟 🔟 IBM WebSphere Application Server V7 Feature Pack for Service Component Architec	ture (SCA	4)	
✓ U <sub>10</sub> Version 1.0.1.1		IBM	
IBM WebSphere Application Server V7 Feature Pack for XML			
		IBM	
Show all versions	r Other V	ersions ar	nd Extensions
Details			
IBM® WebSphere® Process Server 7.0.0.1			
IBM WebSphere Process Server More info			
Repository: http://public.dhe.ibm.com/software/websphere/bpm/repositories/server/wps/700	)/updates	il -	
Image: Second state         Image: Second state	Įns	tall	Cancel

## \_\_\_\_\_ 14. Click **Next**

- 15. In the next panel, read the license agreements. If you agree to the terms, select the radio button for laccept the terms in the license agreements and Click Next
- 16. In the next panel, select the radio button for Use the existing package group and then select IBM WebSphere Application Server ND as the Package Group Name

Install Packages A package group is a location that contains one or more package package group only and will share a common user interface. Se extensions.	oes. Extension elect an existi	ns can be ir ng package	istalled into a co group for the	mmon
Install Licenses Location Fea	tures	Summary	$ \ge 0 $	
O Use the existing package group				
Create a new package group				
Package Group Name	Install	ation Direct	ory	
TBM WebSphere Application Server - ND 20100201 1	704 CATEM	ເພາກາ ພາ	Elumetica el bi un	7
	VU4 C:(LDM	1(001D)_001	ctranamestor_v.	
IBM WebSphere Integration Developer	C:\IBM	1\WID7	E (runumes (br_v.	
Package Group Name: IBM WebSphere Application Server - N Installation Directory: C:\IBM\WID7_WTE\runtimes\bi_v7	C:\IBM C:\IBM D_20100201	1\WID7 1\WID7 _1704	Etrancines (bi_v.	/
Package Group Name: IBM WebSphere Application Server - NI Installation Directory: C:\IBM\WID7_WTE\runtimes\bi_v7 Details	C:\IBM C:\IBM D_20100201_	1/WID7 1/WID7 _1704 Disk Spac	Brow	/
Package Group Name: IBM WebSphere Application Server - N Installation Directory: C:\IBM\WID7_WTE\runtimes\bi_v7 Details • Shared Resources Directory: C:\IBM\SDPShared	C:\IBM C:\IBM D_20100201_	1/WID7 1/WID7 1704 Disk Spac Volume	Brow Brow Available Space	/ ise e
Package Group Name: IBM WebSphere Application Server - N Installation Directory: C:\IBM\WID7_WTE\runtimes\bi_v7 Details • Shared Resources Directory: C:\IBM\SDPShared • Eclipse IDE: C:\IBM\WID7_WTE/runtimes/bi_v7	C:\IBM C:\IBM D_20100201_	1,WID7 1704 <b>Disk Spac</b> Volume C:	Erronomescor_v. Brow E Information Available Space 23.81 GB	ise e
Package Group Name: IBM WebSphere Application Server - N Installation Directory: C:\IBM\WID7_WTE\runtimes\bi_v7 Details • Shared Resources Directory: C:\IBM\SDPShared • Eclipse IDE: C:\IBM\WID7_WTE/runtimes/bi_v7 Installed Packages	C:\IBM C:\IBM D_20100201_	1,00107_001 1,001 1,1704 Disk Spac Volume C:	Erronomestor_v. Brow te Information Available Space 23.81 GB	rse, e
Package Group Name: IBM WebSphere Application Server - N Installation Directory: C:\IBM\WID7_WTE\runtimes\bi_v7 Details • Shared Resources Directory: C:\IBM\SDPShared • Eclipse IDE: C:\IBM\WID7_WTE/runtimes/bi_v7 Installed Packages • IBM WebSphere Application Server - ND 7.0.0.7	C:\IBM C:\IBM D_20100201	1704 Disk Spac Volume C:	Erronomestor_v. Brow :e Information Available Space 23.81 GB	ise e
Package Group Name: IBM WebSphere Application Server - N Installation Directory: C:\IBM\WID7_WTE\runtimes\bi_v7 Details • Shared Resources Directory: C:\IBM\SDPShared • Eclipse IDE: C:\IBM\WID7_WTE/runtimes/bi_v7 Installed Packages • IBM WebSphere Application Server - ND 7.0.0.7	C:\IBM C:\IBM D_20100201_	IVWID7 IVWID7 Disk Spac Volume C:	Erronomescor_v. Brow te Information Available Space 23.81 GB	caprel

## \_\_\_\_ 17. Click **Next**

18. In the next panel, click the Expand All button to see all the features. Select the features required for your WebSphere test environment:

\_\_\_\_ a. WebSphere Business Monitor 7.0.0.0

1) WebSphere Business Monitor Server

- a) (Optional) Stand-alone development WebSphere Business Monitor profile (qmwas)
- b) (Optional) Stand-alone development WebSphere Monitor on WebSphere Process Server profile (qmwps)
- c) (Optional) Stand-alone development WebSphere Monitor on WebSphere Enterprise Service Bus profile (qmesb)

### 2) Alphablox

\_\_\_\_ b. WebSphere Process Server 7.0.0.1

- 1) WebSphere Process Server Client (always installed)
- 2) WebSphere Process Server
  - a) (Optional) sample applications

- b) (Optional)Stand-alone development WebSphere Process Server profile (qwps)
- c) (Optional)Stand-alone development WebSphere Enterprise Service Bus (qesb)
- $_{\rm c.$  IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1  $\rightarrow$  Service Data Objects
- \_\_\_\_\_ d. IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.1

Note: For demonstrational purpose, the Stand-alone development WebSphere Monitor on WebSphere Process Server profile (qmwps) option is selected as this profile covers all the capabilities the WebSphere test environment can provide. If you do not need the WebSphere Business Monitor capabilities, select the option for Stand-alone development WebSphere Process Server profile (qwps).

IBM Installation Manage	ar 				
Install Packages					
Select the features to insta	all.				And a second sec
Install License	es 刘 Loca	tion Feat	ures 🔰 Sur	nmary	
Features					
🖃 🔽 🧊 IBM® WebSph	ere® Business N	4onitor 7.0.0.0			
🖹 🖓 🔀 WebSpher	e Business Monit	or Server			
Stand-	alone developme	ent WebSphere Moni	itor profile (qmwa	s)	
🛛 🔽 Stand-	alone developme	ent WebSphere Moni	itor on WebSpher	e Process Server prof	ile (qmwps)
Stand-	alone developme	ent WebSphere Moni	itor on WebSpher	e Enterprise Service E	Bus profile (qmesb)
Alphablox					
🚊 🐨 🔽 🧊 IBM® WebSph	ere® Process S(	erver 7.0.0.1			
🛛 🗹 WebSpher	e Process Server	r - Client (always ins <sup>j</sup>	talled)		
😑 🔽 🗞 WebSpher	e Process Server	r			
🗌 🗌 Sample	applications				
🔲 Stand-	alone developme	ent WebSphere Proc	ess Server profile	(qwps)	
Stand-	alone developme	ent WebSphere Ente	rprise Service Bu:	s profile (qesb)	
🖹 🔽 🧊 IBM WebSpher	e Application Se	rver V7 Feature Pac	k for Service Com	ponent Architecture (	SCA) 1.0.1.1
Service Da	ta Objects				
🛛 🛄 🗊 IBM WebSpher	e Application Se	rver V7 Feature Pac	k for XML 1.0.0.1		
Show dependencies			<u>E</u> xpar	nd AllOllapse All	<u>R</u> estore Defaul
🍲- Selected by Installatio	n Manager beca	use of dependencies	;		
Details					
IBM® WebSphere® Bu	siness Monito	r 7.0.0.0			
If you do not select any fe	atures, Business	; Space and the Web	Sphere Business	Monitor license files a	re installed.
Disk Space Information	1				
	Volume	Required	Temporary	Total	Available
	_	0.010	070 40 MD	978 62 MB	22 91 CP
Shared Resources Area	C:	U.U KB	970.62 MD	570,02100	23.01 GD
Shared Resources Area Installation Directory	Ci Ci	0.0 KB 1.45 GB	970.02 MD	1.45 GB	23.81 GB

**Note:** - Select Stand-alone development WebSphere Process Server profile (qwps) if the WebSphere Business Monitor runtime binaries are not selected for installation.

- \_\_\_\_ 19. Click **Next**
- 20. In the next panel, expand Common Configurations and select Profile Configuration from the left navigation frame and then enter the administrative security credentials:
  - \_\_\_a. User name : admin
  - \_\_\_\_b. Password : admin
  - \_\_\_\_ c. Confirm Password : admin

🛓 IBM Installation Manager	
Install Packages	
Fill in the configurations for the	backages.
Install Licenses	Location Features Summary
Common Configurations	Common Configurations Profile Configuration
	The default credentials for your profile will be "admin" and "admin"
	User name: admin
	Password:
	Confirm password:
0	< Back Next > Install Cancel

- \_\_\_\_ 21. Click **Next**
- \_\_\_\_\_ 22. In the next panel, verify the WebSphere test environment installation summary

IBM Installation Manager	
Install Packages	
Review the summary informati	ion. Click Back to make changes or click Install.
Install Licenses	Location Features Summary
Target Location	
Package Group Name	IBM WebSphere Application Server - ND, 20100201, 1704
Installation Directory	C/TRM/WEDD WTE/zuntmecht v7
Shared Resources Directory:	C/IBM/SDPSbared
Dialea Resources Directory.	C. (DPR) DRIED
Packages	
Packages	Purinees Manikey 7.0.0.0
	Business Monitor 7.0.0.0
	less Munitur Berver Jevelopment WebSphere Monitor on WebSphere Process Server profile (amwor)
	development websphere Monicor on websphere Process Server prome (qnwps)
	Process Server 7.0.0.1
	acc Server - Client (always installed)
	sos Server
	ication Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1
Service Data Obi	erts
IBM WebSobere Appl	ication Server V7 Feature Pack for XML 1.0.0.1
JR35206 7.0.0.1	
Environment	Disk Space Information
English	Total Available Space
	C: 23.81 GB
	Total Download Size: 978.62 MB
b D 11 1 11	Total Installation 5/28; 2,40 GB
Repository Information	
?	< Back Mext > Install Cancel

23. Click Install to continue with the installation. The **WebSphere test environment** installation progresses

Installing. : Retrieving files, 39 MB of 363 MB (11%) completed.		
	Pause Download	Cancel
	Fause Download	Cancer

ile Management Tool to augment existing profiles or create a ne See the Information Center articles on creating, deleting, and rs should read the profile rules and limitations topic.
Which package do you want to start?
Profile Management Tool      None
ontains rollback files for installed packages. You can delete the

24. Once the installation is complete, select the radio button for **None** and click **Finish** to quit the Installation Manager

**Note:** If you plan to configure Webform Server locally with the process server stand-alone profile, you must install Lotus Forms Server V3.5.1 on this machine with the Webform Server – Application Server and Webform Server – Translator options selected on the server component panel and the also select the Deploy Webform Server – Translator Server to WebSphere Application Server option on the optional Deployment Settings panel. Do not select the Deploy API to WebSphere Application Server option. Visit Part 4, Part 5 and Task 2 of this document to complete the stand-alone application server profile creation and Lotus Forms Serve installation. Finally visit Task 1 of this document to manually configure Lotus Forms API with the WebSphere Process Server stand-alone profile.

# Part 4: Prepare for the Lotus Forms Server V3.5.1 FP 1 installation image

In this part of the exercise, the Lotus Forms Server V3.5.1 FP 1 software is obtained and extracted -- creating the correct on-disk structure for the Lotus Forms Server V3.5.1 FP 1 installation image.

1. The following are the installation files needed to install the Lotus Forms Turbo V3.5.1 FP 1

Product Name	File Name (Windows)
Lotus Forms Server V3.5.1 Fixpack 1	CZ28LML.exe

- 2. Obtain the Lotus Forms Server software and extract in such a way to create the correct on-disk structure for the installation image
- 3. Extract the archive to a directory (for example C:\LFSERVER351CDImage) and confirm that the directories and files are extracted correctly; it should appear similar to the picture below:

🗁 C:\LFSERVER351CDImage 📃 🗖	
Address 🛅 C:\LFSERVER351CDImage	💌 🄁 Go
🛅 COI	
🛅 DE	
LAP	
🔁 Payload	
🚾 LFServer_351_Win32.exe	

# Part 5: Installing Lotus Forms Server V3.5.1 Fixpack 1

Lotus Forms is a suite of products that allows organizations to use electronic forms to gather information from users and transmit that information to other systems. Lotus Forms can be used as the front-end for any business process, such as opening a new account. When a customer enters their information into a form and submits it for processing, their information can pass into a workflow application (such as WebSphere Business Integration), a database (such as DB2 Universal Database<sup>™</sup> or DB2 Content Manager), or any other type of application or process.

There are four products in the Lotus Forms suite:

- **IBM Lotus Forms Designer:** is a '*what you see is what you get*' design tool that allows you to build forms by dragging and dropping items a palette of choices. The forms which are built can be previewed using the IBM Lotus Forms Viewer or IBM Lotus Forms Server Webform Server.
- IBM Lotus Forms Server (Consists of four components):
  - IBM Lotus Forms Server API: provides low level access to XFDL forms in Java<sup>™</sup>, C, and COM. The API is used to develop applications that process XFDL forms which includes XForms data models within XFDL forms. With these capabilities, you can create and manage applications that analyze, route, validate and create electronic forms.

The API also contains the *Function Call Interface* (FCI) library. The capabilities of your forms can be extended using this FCI library, by adding custom XFDL functions that are available to forms designers for use at run time.

• **IBM Lotus Forms Server – Forms Services Platform: -** helps developers integrate and extend IBM Lotus Forms products with other systems.

The Forms Services Platform also includes Designer plug-ins that gives an ability to use the IBM Lotus Forms Designer to generate TX maps from a form's instances and schemas. Hence significantly reducing any custom coding required while integrating forms with a vendor database.

- IBM Lotus Forms Server Webform Server: translates XFDL documents into HTML/JavaScript documents. This ability allows users to view, fill, sign, and submit XFDL documents using a Web browser, meaning the users can fill the XFDL forms without downloading or installing browser plugins.
- IBM Lotus Forms Server P8 Integrator: IBM Lotus Forms with FileNet P8 Workplace™ AE 4.0.2 (P8 Application Engine) or Workplace XT<sup>™</sup> 1.1.3 of P8 Content Manager 4.0.1 SP<sup>™</sup> 1 combines the power of dynamic, intelligent XML forms with workflow and content management.
- **IBM Lotus Forms Turbo:** Lotus Forms Turbo helps manage the entire forms life cycle in a single, easy-touse Web-based application. Using Turbo, forms can be quickly composed to collect information, gather information by circulating forms to submitters who can fill and submit forms back, and then analyze the submitted information and create reports to help make meaningful business decisions.
- IBM Lotus Forms Viewer: provides a single interface for users to open, fill, and save forms.

IBM Lotus Forms Server V3.5.1 can be installed in two installation types:

• **Development installation:** - Using this option, you can install and optionally deploy runtime and development components. The development components include toolkits necessary to build Lotus Forms applications and samples (like Forms Servlet application, example Forms within IBM Portal Server and Forms iWidget) which help get the development started in a single server or multiple machines.

• **Production installation:** - Using this option, you can install and optionally deploy runtime components excluding the samples and development toolkits and components.

Using both the installation options, you can optionally select to deploy the API and Translator Server to an existing WebSphere Application Server stand-alone server profile. However if you chose not to deploy these components, you must perform these deployment tasks manually.

In this exercise, you will install Lotus Forms Server using the development installation type option in a single server topology.

In this part of the exercise, you will use the InstallAnywhere installer to install Lotus Forms Server V3.5.1 Fixpack 1. You will choose to install the Webform Server – Application Server and Webform Server – Translator Server components and deploy Webform Server – Translator Server to WebSphere Application Server stand-alone profile. You will skip deploying the API which will eventually be deployed to a WebSphere Process Server stand-alone profile post Lotus Forms Server installation.

## **Pre-requisite:**

- To complete instructions in this part, a WebSphere Application Server stand-alone profile must exist to configure the Lotus Webform Server Translator server. Visit **Task 2: Create a WebSphere Application Server stand-alone server profile**.
- Stop any servers if they are running

Complete the instructions below to install Lotus Forms Server V3.5.1 FP 1:

1. Navigate to the directory where the correct on-disk structure for the installation image was created



2. Double-click **LFServer\_351\_Win32.exe** to launch the Lotus Forms Server InstallAnywhere wizard. The InstallAnywhere wizard prepares for the installation

InstallAnywhere		
<b>1</b>	InstallAnywhere is preparing to install	
	68%	
		Cancel
(C) 1997-2008	Macrovision Europe Ltd. and/or Macrovision Corporation	

\_\_\_\_\_3. Once the preparation is complete, the InstallAnywhere wizard for Lotus Forms Server V3.5.1 is launched

v2	_ 🗆 ×
	BM.
Lotus. Forms Server 3.5.1 Fixpack 1	
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English OK	Some millersa

\_\_\_\_\_4. Select the language (Ex: English) and click oκ. The Lotus Forms Server Introduction panel is launched

📲 IBM Lotus Forms Server	
	Introduction
Preparation Decisions	InstallAnywhere will guide you through the installation of IBM Lotus Forms Server 3.5.
Configuration Pre-Installation Summary	It is strongly recommended that you quit all programs before continuing with this installation.
Installing Install Complete	Click the 'Next' button to proceed to the next screen. If you want to change something on a previous screen, click the 'Previous' button.
	You may cancel this installation at any time by clicking the 'Cancel' button.
	IBM Lotus Forms Server IBM Corporation http://www.ibm.com
InstallAnywhere by Macrovision-	
Cancel	Previous

5. In the Introduction panel, read the instructions and recommendations. Click Next

- 6. In the next **Software License Agreement** panel, read the license agreements. If you agree to the terms, select the radio button for I accept the terms in the license agreements and Click Next
- \_\_\_\_\_7. The installation wizard configures the IBM Automatic Deployment Engine on the machine

🐙 IBM Lotus Forms Server	
	Deployment Engine Initialization
<ul> <li>Preparation</li> <li>Decisions</li> <li>Configuration</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	The install wizard is now configuring the IBM Autonomic Deployment Engine on the local machine.
	Installing Deployment Engine.
	Step 2 of 19
InstallAnywhere by Macrovision -	Previous

8. Once the Deployment Engine Initialization is complete, click Next

9. In the next Select Installation Directory panel, type the Lotus Forms Server installation location

• Create an installation directory : C:\IBM\LotusForms\Server\3.5

🖳 IBM Lotus Forms Server		_ 🗆 🗙
	Select Installation Dire	ctory
<ul> <li>Preparation</li> <li>Decisions</li> <li>Configuration</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Create an installation directory C:\IBM\LotusForms\Server\3.5 Brow	vse
InstallAnywhere by Macrovision - Cancel	Previous	ext

\_\_\_\_\_ 10. Click **Next** 

11. In the next **Select Installation Type** panel, select the radio button for **Development** Installation

🖳 IBM Lotus Forms Server	
	Select Installation Type
<ul> <li>Preparation</li> <li>Decisions</li> <li>Configuration</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	<ul> <li>Development Installation</li> <li>Install and optionally deploy Server runtime and development components. Development components include toolkits that will be necessary to build Lotus Forms applications, as well as samples that will be helpful in getting your development started.</li> <li>Production Installation</li> </ul>
	Install and optionally deploy Server runtime components in your production environment. Samples and development toolkits will not be installed.
InstallAnywhere by Macrovision - Cancel	Previous

- \_\_\_\_ 12. Click Next
- \_\_\_\_\_13. In the next Select Server Components panel, select the check boxes for the server components:
  - \_\_\_\_ a. Select Webform Server Application Server
  - \_\_\_ b. Select Webform Server Translator Server
  - \_\_ C. Select API
  - \_\_\_ d. Select Forms Services Platform



- \_\_\_\_ 14. Click **Next**
- 15. In the next **Select Component Features** panel, select the check boxes for component features:
  - \_\_\_\_a. Optionally select **Sample** Servlet, which is simple example of a Form Servlet application
  - \_\_\_\_b. Optionally select **Sample List and Forms Display Portlets**, which is a simple example of Forms within IBM Portal Server (select this option if using a Portal Server)
  - \_\_\_\_ c. Optionally select Forms iWidgets, for use with IBM Mashup Center to render forms as an iWidget

**Note:** The IBM Lotus Forms Server – API and IBM Lotus Forms Framework components are installed by default.
🐙 IBM Lotus Forms Server	
	Select Component Features
<ul> <li>Preparation</li> <li>Decisions</li> <li>Configuration</li> </ul>	Default components: IBM Lotus Forms Server - API IBM Lotus Forms Framework
<ul> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Optional component features: ✓ Sample Serviet Simple example of a Forms Serviet application.
	Sample List and Forms Display Portlets Simple example of Forms within IBM Portal Server.
	Forms iWidget For use with IBM Mashup Center to render forms as an iWidget.
InstallAnywhere by Macrovision - Cancel	Previous Next

\_\_\_\_\_ 16. Click **Next** 

- 17. In the next **Select Component Features** panel, select the check boxes for the default and optional component features:
  - \_\_\_\_a. Select Translator Server
  - \_\_\_\_b. Optionally select Log Server which logs the activity for the Translator Server and the front-end application servlet/portlet

🖳 IBM Lotus Forms Server	
	Select Component Features
<ul> <li>Preparation</li> <li>Decisions</li> <li>Configuration</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Default components: ✓ Translator Server Optional component features: ✓ Log Server Logs activity for the Translator Server and the front-end application servlet/portlet.
InstallAnywhere by Macrovision	
Cancel	Previous

- \_\_\_\_ 18. Click **Next**
- \_\_\_\_\_ 19. In the next **Optional Development Settings** panel, select the check boxes for the optional deployment settings:
  - \_\_\_\_ a. Clear Deploy API to WebSphere Application Server or WebSphere Process Server

\_\_\_b. Select Deploy Webform Server - Translator Server to WebSphere Application Server

🖫 IBM Lotus Forms Server	
	Optional Deployment Settings
<ul> <li>Preparation</li> <li>Decisions</li> <li>Configuration</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	<ul> <li>Deploy API to WebSphere Application Server or WebSphere Process Server.</li> <li>Note: If you do not select this option, you can manually deploy the API after the API installation is complete. See Configuring WebSphere Application Server to use the Lotus Forms API for more information</li> <li>Deploy Webform Server-Translator Server to WebSphere Application Server</li> </ul>
InstallAnywhere by Macrovision Cancel	Previous Next

#### \_\_\_\_ 20. Click Next

\_\_ 21. In the next **Translator Server Component Configuration** panel, select the check box for **Use** default location for Shared File Cache service

🐙 IBM Lotus Forms Server	
	Translator Server Component Configuration
Preparation	Shared File Cache
Decisions	✓ Use default location
Configuration     Pro Installation Summary	
Install Complete	
InstallAnywhere by Macrovision	
Cancel	Previous

- 22. Click Next
  - \_\_\_ 23. In the next Database Connection Information panel, enter the supported database type connection information:
    - \_\_\_\_a. Database Type : Ex: Select DB2, Oracle or Cloudscape/Derby from the list
    - \_\_\_\_b. (DB2, Oracle) Database name : ws\_асов (default)
    - \_\_\_\_ c. (DB2, Oracle) Host IP : Ex: dbserver.austin.ibm.com (fully qualified host name or IP address of the database server host machine)
    - \_\_\_ d. (DB2, Oracle) Host Port : 50000 (default)
    - \_\_\_\_e. (DB2, Oracle) Username : Ex: db2admin

\_\_\_f. (DB2, Oracle) Password : Ex: superSecret

\_\_\_\_ g. (DB2, Oracle) Database Driver Location : Ex: C:\IBM\SQLLIB\java

堰 IBM Lotus Forms Server				
		Database C	Connection	Information
Preparation	Enter the database connec	ction information.		
Decisions Configuration	Database Type	Cloudscape/Derby		•
O Pre-Installation Summary	Database Name	WS_ACDB		
O Installing	Host IP	localhost		
🔘 Install Complete	Host Port	50000		
	User name			
	Password			
	Database Driver Location			
				Browse
		Test Connection	_	
InstallAnywhere by Macrovision				
Cancel			Previous	Next

Note: In this exercise, Cloudscape/Derby is used as database type

\_\_\_\_ 24. Click Next

25. In the next **WebForm Server Translator Deploy to WebSphere Application Server** panel, enter the installation location of the WebSphere Application Server

\_\_\_\_a. Directory Name: Ex: C:\IBM\WID7\_WTE\runtimes\bi\_v7

🖳 IBM Lotus Forms Server	
Webform	Server Translator Deploy to WebSphere Application Server
<ul> <li>Preparation</li> <li>Decisions</li> <li>Configuration</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Enter the location of WebSphere Application Server. Directory Name: C:\IBM\WID7_WTE\runtimes\bi_v7 Browse
InstallAnywhere by Macrovision- <u>C</u> ancel	Previous Next

**Note:** Enter the correct installation location of the WebSphere Application Server. If it is not installed click the **Cancel** button to quit the installer and install the WebSphere Application Server. You can not continue to the next step if the WebSphere Application Server installation location entered is not valid.

WebSpher	re Application Server 🛛 🔀
	The specified WebSphere Application Server location is not valid. Try again. OK

#### \_\_\_\_ 26. Click **Next**

- \_\_\_\_\_27. In the next WebSphere Application Server Settings panel, enter the details:
  - \_\_\_\_a. Translator Deploy to WebSphere Application Server Details
    - From the drop down, select the Profile (must already exist) name: Ex: AppSrv01
    - Verify or type the Cell (must already exist) name: Ex: appNode01Cell
    - Verify or type the **Node** (must already exist) name: Ex: appNode01
    - Type or accept the default Server Name (must already exist) : TranslatorServer

**Note:** The server name you enter must not exist in the WebSphere Application Server configuration at this time. A new server is created and configured using the name entered in the Server Name field.

- Application Name : **TranslatorApp** (default)
- \_\_\_\_b. Enter the WebSphere Application Server administrative credentials:
  - User name : Ex: admin
  - Password : Ex: superSecret

堰 IBM Lotus Forms Server	
	WebSphere Application Server Settings
<ul> <li>Preparation</li> <li>Decisions</li> <li>Configuration</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Translator Deploy to WebSphere Application Server Details Profile AppSrv01 Cell (must already exist) appNode01Cell Node (must already exist) appNode01 Server Name (server will be created and must not exist already) TranslatorServer Application Name TranslatorApp Enter Credentials User name admin
	Password
	****
InstallAnywhere by Macrovision	
<u>C</u> ancel	<u>P</u> revious <u>N</u> ext

### \_\_\_\_\_ 28. Click **Next**

**Note:** On clicking **Next**, the WebSphere Application Server details are verified by the installer and warned for incorrect Cell and Node names. The installer also warns if the server name entered already exists in the configuration.

29. In the next Pre-Installation Summary panel, verify the Lotus Forms Server installation information

🖳 IBM Lotus Forms Server		_ 🗆 🗙
		Pre-Installation Summary
<ul> <li>Preparation</li> <li>Decisions</li> <li>Configuration</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Product Name: IBM Lotus Forms Server 3.5 Install Directory: C:\IBM\LotusForms\Server\3.5	
InstallAnywhere by Macrovision <u>C</u> ancel		Previous Install

- \_ 30. Click Install. The Lotus Forms Server V3.5.1 installation progresses and might take couple of minutes to complete based on the processing power of the host machine
- \_\_31. In the Install Complete panel, ensure the Lotus Forms Server V3.5.1 installation is successful once the installation is complete

🖳 IBM Lotus Forms Server	
	Install Complete
<ul> <li>Preparation</li> <li>Decisions</li> <li>Configuration</li> <li>Pre-Installation Summary</li> <li>Installing</li> <li>Install Complete</li> </ul>	Congratulations! IBM Lotus Forms Server 3.5 has been successfully installed to: C:\IBM\LotusForms\Server\3.5 Press "Done" to quit the installer.
InstallAnywhere by Macrovision - Cancel	Previous

- \_\_\_\_ 32. Click Done
- \_\_\_\_ 33. Troubleshooting the Lotus Forms Server installation
  - \_\_\_\_ a. Navigate to <LFSERVER\_HOME>\\_uninst\FormsServer\plan\install.

Ex: C:\IBM\LotusForms\Server\3.5\\_uninst\FormsServer\plan\install

\_\_\_\_b. You should see two directories named logs and MachinePlan\_localhost



\_\_\_\_ c. Navigate through the logs and MachinePlan\_localhost directories for installation and configuration log files for various Lotus Forms Server components.

### Task 1: Manually deploy the Lotus Forms API to Process Server

In this part of the exercise, you will manually deploy the Lotus Forms API to the WebSphere Process Server stand-alone profile.

Prerequisites: Before proceeding to the next step,

- You must create a WebSphere Process Server stand-alone profile with the 'Configure WebForm Server' option not selected
- You must create a WebSphere Application Server stand-alone profile
- You must install Lotus Forms Server V3.5.1 locally, with 'Webform Server Application Server' and 'Webform Server – Translator' options selected on the server component panel and select the 'Deploy Webform Server - Translator Server to WebSphere Application Server' option on the optional Deployment Settings panel. You must skip the 'Deploy API to WebSphere Application Server or WebSphere Process Server' option on the optional Deployment Settings panel
- Stop the process server processes if they are running

Complete the instructions below to manually deploy Lotus Forms API to a WebSphere Process Server standalone profile:

1. Open a command window and change directories to <wte\_profile\_HOME>\bin directory

EX:C:\IBM\WID7\_WTE\runtimes\bi\_v7\profiles\qmwps\bin

2. Run the wsadmin command as shown below to connect to the command line administration tool:

wsadmin.bat -conntype NONE

Ex: wsadmin.bat -conntype NONE

- Press the **<ENTER>** key
- 3. Now at the wsadmin command prompt, run the wsadmin command with the correct parameters for your environment

\$AdminTask configureLotusWebformServer {-nodeName <node\_name> serverName <server\_name> -translatorHTTPLocation
http://localhost:8085/translator -serverInstallRoot
<LFSERVER\_HOME>/WebFormServer}
Ex: \$AdminTask configureLotusWebformServer {-nodeName qmwps serverName server1 -translatorHTTPLocation
http://localhost:8085/translator -serverInstallRoot

C:/IBM/LotusForms/3.5/WebformServer}

• Press the <ENTER> key

C:\WINDOWS\system32\cmd.exe - wsadmin.bat -conntype NONE wsadmin>\$AdminTask configureLotusWebformServer {-nodeName wpsNode01 -serverName server1 -translatorHTTPLocation http://localhost:8085/translator -serverInstallR oot C:/IBM/LotusForms/3.5/WebFormServer} \_\_\_\_\_ 4. Now save to the master configuration

\$AdminConfig save

• Press the **<ENTER>** key

📾 C:\WINDOWS\system32\cmd.exe - wsadmin.bat -conntype NONE	
wsadmin>\$AdminConfig save_	

- \_\_\_\_\_ 5. Quit the command line administration tool
- \_\_\_\_\_6. Start the process server stand-alone server and verify a clean start of the server

## Task 2: Create a WebSphere Application Server stand-alone profile

In this part of the exercise, you will create a WebSphere Application Server stand-alone profile.

**Pre-requisite:** Before continuing to the next step, you must install the WebSphere Application Server V7.0.0.7 binaries. Visit **Part 2: Installing WebSphere Process Server**.

Complete the instructions below to create a WebSphere Application Server stand-alone profile:

- 1. Launch the Profile Management Tool
  - \_\_\_ a. From the start menu, select IBM WebSphere → Process Server 7.0 → Profile Management Tool

**Note:** Alternatively to launch the Profile Management Tool, navigate to <wre\_HOME>\bin\ ProfileManagement, double click pmt.bat

	7.0
e Window Help	
🕈 🚯 Profile Management Tool	( Welcome
👂 Welcome 🗙	
Welcome to the Profile Mar	nagement Tool
Launch Profile Management To	ol
This wizard creates run-time functional installation.	environments that are referred to as <i>profiles</i> . At least one profile must exist to have a
An initial profile typically is cre each contain a set of comma defines a single application se	eated during the installation process. Use this wizard to create additional profiles that nds, configuration files, log files, deployable applications and other information that erver environment.
Click the Launch Profile Mana	gement Too/button or the Profile Management Tool tab above to begin managing
your profiles.	
your profiles. The online information center topologies.	s provide more information about the Profile Management tool and setting up typical
your profiles. The online information center topologies. WebSphere Application S	s provide more information about the Profile Management tool and setting up typical
your profiles. The online information center topologies. WebSphere Application S WebSphere Process Serv	s provide more information about the Profile Management tool and setting up typical Server - View the online information center ver - View the online information center
your profiles. The online information center topologies. WebSphere Application S WebSphere Process Serv WebSphere Enterprise S	is provide more information about the Profile Management tool and setting up typical fierver - View the online information center ver - View the online information center ervice Bus - View the online information center
your profiles. The online information center topologies. WebSphere Application S WebSphere Process Serv WebSphere Enterprise S WebSphere Application S	is provide more information about the Profile Management tool and setting up typical ierver - View the online information center ver - View the online information center ervice Bus - View the online information center ierver Feature Pack for XML Version 1.0 - View the online information center
your profiles. The online information center topologies. WebSphere Application S WebSphere Process Serv WebSphere Enterprise S WebSphere Application S WebSphere Application S	is provide more information about the Profile Management tool and setting up typical ierver - View the online information center ver - View the online information center ervice Bus - View the online information center ierver Feature Pack for XML Version 1.0 - View the online information center ierver Feature Pack for SCA Version 1.0 with SDO 2.1.1 - View the online information c

2. Select the Profile Management Tool button

🎼 Profile Management Tool 7	7.0		
File Window Help			
📑 🔞 Profile Management Tool	\ominus Welcome		
() Profiles			- 8
Profile name Environm	ient	Profile path	Create
			Augment

- 3. Click the Create button. The Environment selection panel is launched
- 4. In the **Environment** selection panel, expand **WebSphere Application Server** and select Application server

🚯 Profile Management Tool 7.0	_ 🗆 🗵
Environment Selection	ĝ
Select a specific type of environment to create.	
Environments:	
<ul> <li>WebSphere Application Server</li> <li>Cell (deployment manager and a federated application server)</li> <li>Management</li> <li>Application server</li> <li>Custom profile</li> <li>Secure proxy (configuration-only)</li> <li>WebSphere Application Server Feature Pack for SCA Version 1.0</li> <li>WebSphere Application Server Feature Pack for SCA Version 1.0 with SDO 2.1.1</li> <li>WebSphere Application Server Feature Pack for XML Version 1.0</li> <li>WebSphere Enterprise Service Bus</li> <li>WebSphere Process Server</li> </ul>	
Description An application server environment runs your enterprise applications. WebSphere Application Server is managed from its own administrative console and functions independently from all other application servers.	d
< Back Next > Finish Ca	ancel

- \_\_\_\_ 5. Click Next
  - 6. In the next **Profile Creation Options** panel, select the radio button for **Advanced** profile creation

Profile Management Tool 7.0				_ 🗆
rofile Creation Options				
Thoose the profile creation process that meets your ne fool to assign a set of default configuration values to th configuration values for the profile.	eds. Pick the Typi ne profile. Pick the	ical option to allo e Advanced optic	w the Profile Mana on to specify your	igement own
O Typical profile creation				
Create an application server profile that uses de assigns unique names to the profile, node, and h administrative console and the default applicatio administrative security. The tool might create a operating system of your machine and the privile	fault configuration nost. The tool also n will be installed system service to ages assigned to	on settings. The R o assigns unique . You can optiona o run the applicat your user accour	Profile Managemen port values. The ally select whether ion server dependi nt.	t Tool to enable ng on the
<b>Note</b> : Default personal certificates expire in one certificate with a different expiration.	e year, Select Ad	lvanced profile cr	eation to create a	personal
Advanced profile creation				
Create application server using default configura the location of the profile and names of the profi can optionally choose whether to deploy the adr Web server definition. You might have the option on the operating system of your machine and th	ation settings or s ile, node, and ho ninistrative conso n to run the appli e privileges assig	pecify your own st. You can assig le and Sample ap cation server as ned to your user	values for setting: In your own port v oplications, and cre a system service o account.	s such as alues. You eate a lepending
			1	

- 8. In the next **Optional Application Development** panel, select the applications to deploy to the WebSphere Application Server environment being created:
  - \_\_\_ a. (Optional) Deploy the Sample applications
  - \_\_\_\_ b. Deploy the administrative console (recommended)
  - \_\_\_\_ C. (Optional) Deploy the default application

🚯 Profile Management Tool 7.0				
Optional Application Deployment				
Select the applications to deploy to the WebSphere Applic	ation Server er	vironment being	created.	
Deploy the Sample applications.				
Install the Sample applications to use the application s Sample applications are not recommended for deployr	server and eval ment to product	uate the latest to ion application so	echnological advai erver environment	ncements. The ts.
Deploy the administrative console (recommended).				
Install a Web-based administrative console that mana is recommended, but if you deselect this option, the in the profile exists.	iges the applica Information cent	tion server. Dep er contains deta	loying the adminis iled steps for depl	trative console loying it after
Install the derault application that contains the Snoop	, Hello, and Hit	Count serviets.		
	< Back	Next >	Finish	Cancel

- \_\_\_\_ 9. Click Next
- 10. In the next **Profile Name and Location** panel, specify the profile name, directory path to the profile being created
  - \_\_\_\_a. Profile name : AppSrv01
  - \_\_\_\_b. Profile Directory : <WAS\_HOME>\profiles\AppSrv01

Ex: C:\IBM\WID7\_WTE\runtimes\bi\_v7\profiles\AppSrv01

\_\_\_\_ c. (Optional) Select the check box for Create the server using the development template

**Note:** Creating the WebSphere Application Server profile using the development template, creates a server using configuration settings optimized for development. The development template reduces start time and allows the server to run on less powerful hardware.

to contain the files for the run-time environment, such as commands, <b>wse</b> to select a different directory.
rofiles\AppSrv01
Browse
pment template.
using configuration settings optimized for development. The development allows the server to run on less powerful hardware. Do not use this option for
ile is in does not completely delete the profile. Use the <b>manageprofiles</b>
ic characters (A-Z, a-z), numbers (0-9), and underscores (_) only.
ic characters (A-Z, a-z), numbers (0-9), and underscores (_) only. s (A-Z, a-z), numbers (0-9), periods (.), dashes (-) and underscores (_) only.

\_\_\_\_\_ 11. Click **Next** 

- 12. In the next **Node and Host Names** panel, specify the node name, server name, host name and cell name for this profile
  - \_\_\_\_a. Node name : appNode01
  - \_\_\_\_b. Server name : server1
  - \_\_\_\_c. Host name : Ex: appserver.austin.ibm.com

🚯 Profile Management T	ool 7.0
Node and Host Nam	es 🗮 👸
Specify a node name, a serv	er name, and a host name for this profile.
N <u>o</u> de name:	
appNode01	
<u>S</u> erver name:	
server1	
<u>H</u> ost name:	
appserver.austin.ibm.com	
Node name: A node nam Server name: A server na Host name: A host nam The following naming rules m - Names must start and end - Names may contain alphab - Names must not contain sp	<pre>is used for administration. If the node is federated, the name must be unique within the cell. ime is a logical name for the application server. e is the domain name system (DNS) name (short or long) or the IP address of this computer. nust be used: with alphabetic characters (A-Z, a-z), numbers (0-9), and underscores (_) only. etic characters (A-Z, a-z), numbers (0-9), periods (.), dashes (-) and underscores (_) only. haces or these characters: / \ * , : ; = + ?   &lt;&gt; _% `" [] # \$ ^ { } ()</pre>
See the information center f View the online information	or profile naming and migration considerations. center
	< Back Next > Einish Cancel

- 13. In the next **Administrative Security** panel, select the check box for **Enable administrative security** and enter the administrative username and password:
  - \_\_\_a. User name : admin
  - \_\_\_b. Password : superSecret
  - \_\_\_\_ c. Confirm Password : superSecret

🎁 Profile Managemei	nt Tool 7.0	_ 🗆 ×
Administrative Se	ecurity	
Choose whether to enal administrative tools. Thi finishes, you can add m	ble administrative security. To enable security, supply a user name and password for is administrative user is created in a repository within the application server. After pro nore users, groups, or external repositories.	logging into ofile creation
🗵 Enable administrativ	ve security	
<u>U</u> ser name:		
admin		
Password:		
••••		
Confirm password:		
••••		
See the information cen	Anter for more information about administrative security.	
View the online informat	ition center	
	< <u>B</u> ack [Next > Einish	Cancel

- \_\_\_\_ 14. Click Next
- 15. In the next Security Certificate (Part 1) panel, accept the defaults and click Next
- \_\_\_\_\_16. In the next Security Certificate (Part 2) panel, accept the defaults and click Next
- 17. In the next Port Values Assignment panel, review the ports assigned. You can change them to the required values, but ensure that the port numbers do not conflict with other services running on this machine. Click Next
- 18. In the next **Widows Service Definition** panel, clear the check box for **Run the application** server process as a Windows service

🚯 Profile Management Tool 7.0	
Windows Service Definition	
Choose whether to use a Windows service to run WebSphere Application Server. Windows services of WebSphere Application Server, and configure startup and recovery actions.	can start and stop
Run the application server process as a Windows service.	
Eug on as a local system account.	
C Log on as a specified user account.	
User name:	
Administrator	
Password:	
Startup type:	
Automatic	<b>v</b>
The user account that runs the Windows service must have the following user rights:	
- Log on as a service	
< <u>B</u> ack <u>N</u> ext > Einish	Cancel

- \_\_\_\_\_ 19. Click **Next**
- 20. In the next **Web Server Definition** panel, clear the check box for **Create a Web server** definition

🚯 Profile Management Tool 7.0	_ 🗆 🗡
Web Server Definition	
Optionally create a Web server definition if you use a Web server to route requests for dynamic content to the application server. Alternatively, you can create a Web server definition from the administrative console or a se generated during Web server plug-ins installation.	e script that is
Create a Web server definition Web server type:	
IBM HTTP Server	~
Web server operating system:	
Windows	~
Web gerver name:	
webserver1	
Web server <u>h</u> ost name or IP address:	
appserver.austin.ibm.com	
Web server port (Default 80):	
80	
< Back	Cancel

Note: Creating a Web server definition is out of scope to this document.

- \_\_\_\_\_ 21. Click Next
- \_\_\_\_\_ 22. In the next **Profile Creation Summary** panel, verify the profile creation summary

🚯 Profile Management Tool 7.0				_ 🗆 ×
Profile Creation Summary				i g
Review the information in the summary for correctne profile. Click <b>Back</b> to change values on the previous	ss. If the information panels.	is correct, click	Create to start	creating a new
Application server environment to create: Applicat	tion server			
Location: C:\IBM\WID7_WTE\runtimes\bi_v7\profi Disk space required: 200 MB	iles\AppSrv01			
Profile name: AppSrv01 Make this profile the default: True				
Node name: appNode01 Server name: server1 Host name: appserver.austin.ibm.com				
Deploy the Sample applications: False Deploy the administrative console (recommende Deploy the default application: False	d): 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				
	( < <u>B</u> ack	Create	Einish	Cancel

### \_\_\_\_\_ 23. Click Create

24. Once the profile creation is complete, ensure the Launch the WebSphere Application Server first steps console check box is selected in the **Profile Creation Complete** panel

<sup>&gt;</sup> rof	ile Creation Complete
The	Profile Management Tool created the profile successfully.
The i	next step is to decide whether to federate the application server into a deployment manager cell.
To fe mana	derate the application server, use either the <b>addNode</b> command or the administrative console of the deployment iger. Using the administrative console requires the application server to be running.
You ( also	an start and stop the application server from the command line or the First steps console. The First steps console has links to an installation verification test and other information and features that relate to the application server.
V	Launch the First steps console.
To st direc	art the Profile Management Tool later, use the <b>PMT</b> command in the <i>app_server_root</i> \bin\ProfileManagement tory or the option in the First steps console.
	< <u>B</u> ack <u>N</u> ext > <b>Einish</b> Cancel
st	Installation verification
	Start the server and its applications
	Administrative console Install and administer applications.
	Profile management tool Work with profiles.
	Information center for WebSphere Application Server Learn more about WebSphere Application Server.
	Migration wizard
	Migrate WebSphere Application Server 5.1, 6.0 or 6.1 to version 7.0. Migrate WebSphere Application Server Feature Pack for Web Services to version 7.0.

\_\_\_\_ 26. Click the **Installation Verification** link. The installation verification test utility starts the process server. Review the SystemOut.log to ensure the server is started without any errors

\_\_\_\_\_ 27. Close the First Steps console

# Task 3: Update WebSphere Integration Developer V7.0 using the Update Packages wizard

This part of the exercise demonstrates how to update the WebSphere Integration Developer package group using the Update Packages wizard in the Installation Manager. Updating a package in the Installation Manager context is to upgrade an existing version of the package group to a newer version.

Complete the instructions below to update the WebSphere Integration Developer package group:

1. Launch the Installation Manager. From the Windows Start menu, select **Programs** → IBM Installation Manager

🖄 IBM Installation Manager		
Eile Help		
IEM. Installation Manager		
	Install Install software packages. Man	age Licenses
	Update Discover and install updates and fixes to installed software packages.	ort
	Modify Change installed software packages by adding or removing features and functions.	Back

- 2. Once the Installation Manager is launched, click Update. The Update Packages wizard is launched
- 3. In the Update Packages panel, select the package group you want to update
  - \_\_\_\_a. Select the package group name as IBM WebSphere Integration Developer

opuale l'ackages				1
Select a package group to rind updates for.				
Package Group Name	Dire	ectory		
IBM WebSphere Application Server - ND_2010	0202_1719 C:\)	IBM\WID7_WTE\ru	intimes\bi_v7	
🗞 IBM WebSphere Integration Developer	⊂:\)	IBM\WID7		
Update <u>a</u> ll				
Details				
IBM WebSphere Integration Developer				
<ul> <li>Shared Resources Directory: C:\IBM\SDPShared</li> </ul>				
<ul> <li>Installation Directory: C:\IBM\WID7</li> </ul>				
Eclipse IDE: C:\IBM\WID7				
Installed Packages and Fixes				
<ul> <li>IBM® Lotus® Forms Designer 3.5.1 Fixpack 1</li> </ul>				
• IBM® WebSphere® Integration Developer 7.0.0.0				

- \_\_\_\_\_4. Click Next
- 5. In the next panel, select the radio button for **Show recommended** and then click the **Select Recommended** button. These actions search for the latest available refresh pack, fixes, extensions and so on and then select the recommended updates to install

Update Packages Select the updates or fixes to install.				1
Update		Recommended	Dependency	Ver
IBM® WebSphere® Int	egration Developer 7.0.0.0 (Installed)	✓ ←	_	IBN
			Select Recom	men
				_

**Note:** Select the radio button for **show all** if you want to install a different version of the available updates. You should see all the available versions listed along with the recommended version. Select the required update and click **Next** 

Update	Recommended	Dependency	Vendor
🖃 🜌 🎭 IBM WebSphere Integration Developer			
🗖 🧊 IBM® Lotus® Forms Designer 3.5.1 Fixpack 1 (Installed)			
📄 🖬 🕼 IBM® WebSphere® Integration Developer 7.0.0.0 (Installed)			
			IBM
🔤 🕼 Version 7.0.0.101	✓		IBM
Show all O Show recommended		Select Recor	nmended

In this exercise, you will select the recommended update (Version 7.0.0.101) for installation.

- \_\_\_\_ 6. Click Next
- 7. In the next panel, read the license agreements. If you agree to the terms, select the radio button for I accept the terms in the license agreements and Click Next
- 8. In the next features panel, click the **Expand** button to view all the available features, and then select the futures you want to install. Clear a feature if you want to remove it

ΙBΝ	1 Installation Manager
	Update Packages 🛛 👘
	Select the features to install.
	Update Packages Updates Licenses Features Summary
	Features
	<ul> <li>IBM® WebSphere® Integration Developer 7.0.0.101</li> <li>E-mail, Flat File, FTP and JDBC IBM WebSphere Adapters</li> <li>Additional IBM WebSphere Adapters</li> <li>Local help contents</li> <li>Monitor Model editor</li> <li>Client development tools</li> <li>Lifecycle integration clients</li> <li>Additional development tools</li> </ul>
	Show dependencies     Expand All Collapse All     Restore     Selected by Installation Manager because of dependencies
	Details
	IBM® WebSphere® Integration Developer 7.0.0.101
	Use WebSphere Integration Developer to build, test, and deploy standards-based integrated applications from loosely coupled services and business processes. If you plan to use a WebSphere test environment, it must be at the
	WebSphere Process Server 7.0.0.0 level or above.
)	< <u>B</u> ack <u>N</u> ext > <u>Update</u> Cancel

#### 9. Click Next

10. In the next panel, verify the updates being made for the WebSphere Integration Developer package group



\_ 11. Click Update. The installation progresses

Undate Packages	
Upuale Fackages	
	S
The packages are updated. <u>View Log File</u>	Y
The following update was installed:	
Update Installation Directory	
🖃 🧊 IBM® WebSphere® Integration Developer	
Version 7.0.0.101 C:\IBM\WID7	
Note: If the packages support rollback, the temporary directory contains rollback files for installed packages. You can delete the files on the <u>Files for rollback</u> preference page.	Einish

12. Once the installation is complete, click Finish to quit the Installation Manager

## Task 4: Update WebSphere test environment using Update Packages wizard

This part of the exercise demonstrates how to update the WebSphere test environment which is the WebSphere Application Server –ND package group using the Update Packages wizard in the Installation Manager. Updating a package in the Installation Manager context is to upgrade an existing version of the package group to a newer version.

Complete the instructions below to update the WebSphere Application Server – Network Deployment package group:

1. Launch the Installation Manager. From the Windows Start menu, select Programs → IBM Installation Manager

🖄 IBM Installation Manager		••••••	_ 🗆 🗙
Eile Help		-	
IBM. Installation Manager			
	Install Install software packages.	Manage Licenses	
	<b>Update</b> Discover and install updates and fixes to installed software packages,	Import	
	Modify	Roll Back	
	Change installed software packages by adding or removing features and functions.	Uninstall	

- 2. Once the Installation Manager is launched, click Update. The Update Packages wizard is launched
- 3. In the Update Packages panel, select the package group you want to update

\_\_\_\_a. Select the package group name as IBM WebSphere Application Server - ND

BM Installation Manager		
Update Packages		1 - L
Select a package group to find updates for.		I S
Package Group Name	Directory	
<sup>Rea</sup> IBM WebSphere Application Server - ND_20100202_1719	C:\IBM\WID7_WTE\runtimes\bi_v7	
IBM WebSphere Integration Developer	C:\IBM\WID7	
Update <u>a</u> ll		
Details		
IBM WebSphere Application Server - ND_20100202_1719		
<ul> <li>Shared Resources Directory: C:\IBM\SDPShared</li> </ul>		
<ul> <li>Installation Directory: C:\IBM\WID7_WTE\runtimes\bi_v7</li> </ul>		
<ul> <li>Eclipse IDE: C:\IBM\WID7_WTE/runtimes/bi_v7</li> </ul>		
Installed Packages and Fixes		
<ul> <li>IBM WebSphere Application Server - ND 7.0.0.7</li> </ul>		
IBM WebSphere Application Server V7 Feature Pack for Service (	Component Architecture (SCA) 1.0.1.0	
<ul> <li>PM00971 1.0.1.0</li> </ul>		
IBM WebSphere Application Server V7 Feature Pack for XML 1.0.	.0.0	
<ul> <li>IBM® WebSphere® Business Monitor 7.0.0.0</li> </ul>		
<ul> <li>IBM® WebSphere® Process Server 7.0.0.0</li> </ul>		
	de Marstern Electrica	Canad
< <u>Pac</u>	K <u>N</u> ext > Update	Cancel

### 4. Click Next

5. In the next panel, select the radio button for **Show recommended** and then click the **Select Recommended** button. These actions search for the latest available refresh pack, fixes, extensions and so on and then select the recommended updates to install

👜 IBM Installation Manager	
Update Packages Select the updates or fixes to install.	E.
Update	Recommended
🖃 🗹 🔩 IBM WebSphere Application Server - ND_20100202_1719	
🗌 🗖 🗊 IBM® WebSphere® Business Monitor 7.0.0.0 (Installed)	
📄 🖾 🗊 IBM® WebSphere® Process Server 7.0.0.0 (Installed)	
📄 🗹 🕼 Version 7.0.0.1	✓
🗌 🗹 🧊 JR35206 7.0.0.1	✓
- 🗌 🗍 IBM WebSphere Application Server - ND 7.0.0.7 (Installed)	
📄 🔽 🗊 IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.0 (Installe	d)
🗌 🖉 🕼 Version 1.0.1.1	✓
📄 🔽 🧊 IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.0 (Installed)	
🔤 📝 🕼 Version 1.0.0.1	✓
	Þ
	elect Recommended
Image: Second	Cancel

**Note:** Select the radio button for **show all** if you want to install a different version of the available updates. You should see all the available versions listed along with the recommended version. Select the required update and click **Next** 

Update	Recommended
🖂 🗹 🔩 IBM WebSphere Application Server - ND_20100202_1719	
🗍 🧊 IBM® WebSphere® Business Monitor 7.0.0.0 (Installed)	
🛱 📝 🧊 IBM® WebSphere® Process Server 7.0.0.0 (Installed)	
🖻 🖓 🕼 Version 7.0.0.1	~
□ IR35206 7.0.0.1	~
□ IR35038 7.0.0.0	
□ □ 🕼 JR35039 7.0.0.0	
□ IR35041 7.0.0.0	
□ IR35042 7.0.0.0	
🖹 🔁 🗓 IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.0 (Installed)	
🖳 🗹 🕼 Yersion 1.0.1.1	~
🖃 🔽 🚺 IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.0 (Installed)	
🔤 📝 🕼 Version 1.0.0.1	~
•	<b>I</b>
Show all O Show recommended	ct Recommended

In this exercise, you will select the recommended update (Version 7.0.0.1) for installation.

\_\_\_\_ 6. Click Next

7. In the next panel, read the license agreements. If you agree to the terms, select the radio button for I accept the terms in the license agreements and Click Next

8. In the next features panel, click the **Expand** button to view all the available features, and then select the futures you want to install. Clear a feature if you want to remove it. You can not be able to remove feature in some cases.

U	pdate Packages 🛛 😭
Se	ect the features to install.
	Update Packages Updates Licenses Features Summary
F	eatures
E	💷 🔽 🧊 IBM® WebSphere® Process Server 7.0.0.1
	WebSphere Process Server - Client (always installed)
	🖻 🐨 🔽 🏠 WebSphere Process Server
	Sample applications
	Stand-alone development WebSphere Process Server profile (qwps)
	Stand-alone development WebSphere Enterprise Service Bus profile (qesb)
E	
	IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1
	IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1
	IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1 Service Data Objects IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.1
	IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1 Service Data Objects IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.1
	IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1     Service Data Objects     IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.1     Show dependencies
	<ul> <li>IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1</li> <li>Service Data Objects</li> <li>IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.1</li> <li>Show dependencies</li> <li>Selected by Installation Manager because of dependencies</li> </ul>
	<ul> <li>IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1</li> <li>Service Data Objects</li> <li>IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.1</li> <li>Show dependencies</li> <li>Selected by Installation Manager because of dependencies</li> <li>Selected by Installation Manager because of dependencies</li> </ul>
	<ul> <li>IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1</li> <li>Service Data Objects</li> <li>IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.1</li> <li>Show dependencies</li> <li>Selected by Installation Manager because of dependencies</li> <li>Selected by Installation Manager because of dependencies</li> </ul>
De IB	<ul> <li>IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1</li> <li>Service Data Objects</li> <li>IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.1</li> <li>Show dependencies</li> <li>Service Datallation Manager because of dependencies</li> </ul>
Det IB	<ul> <li>IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1</li> <li>Service Data Objects</li> <li>IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.1</li> <li>Show dependencies</li> <li>Selected by Installation Manager because of dependencies</li> <li>Selected by Installation Manager because of dependencies</li> <li>Me WebSphere Process Server 7.0.0.1</li> <li>WebSphere Process Server</li> </ul>
De IB	<ul> <li>IBM WebSphere Application Server V7 Feature Pack for Service Component Architecture (SCA) 1.0.1.1</li> <li>Service Data Objects</li> <li>IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.1</li> <li>Show dependencies</li> <li>Selected by Installation Manager because of dependencies</li> <li>Selected by Installation Manager because of dependencies</li> <li>Selected by Installation Manager because of dependencies</li> <li>Me WebSphere Process Server 7.0.0.1</li> <li>WebSphere Process Server</li> </ul>

#### 9. Click Next

\_\_\_\_\_ 10. In the next panel, verify the updates being made for the WebSphere Integration Developer package group



11. Click Update. The installation progresses

1 Installation Manager	_ 🗆 >
Update Packages	P.
The packages are updated. <u>View Log File</u>	C S
All the following updates were installed:	
Update	
<ul> <li>IBM WebSphere Application Server V7 Feature Pack for Service Component Archite</li> <li>Version 1.0.1.1</li> <li>IBM WebSphere Application Server V7 Feature Pack for XML</li> <li>Version 1.0.0.1</li> <li>IBM® WebSphere® Process Server</li> <li>Version 7.0.0.1</li> <li>Version 7.0.0.1</li> </ul>	
Note: If the packages support rollback, the temporary directory contains rollback files for installed packages. You can delete the files on the <u>Files for rollback</u> preference page.	<u>F</u> inish

12. Once the installation is complete, click Finish to quit the Installation Manager

# Task 5: Modify WebSphere Integration Developer using the Modify Packages wizard

This part of the exercise demonstrates how to modify the WebSphere Integration Developer package group using the Modify Packages wizard in the Installation Manager. Modifying a package in the Installation Manager context is to add or remove a feature from the selected package group, provided the pre-requisites are met.

Complete the instructions below to modify the WebSphere Integration Developer package group:

1. Launch the Installation Manager. From the Windows Start menu, select **Programs** → IBM Installation Manager

🖄 IBM Installation Manager			X
Eile Help			
IEM. Installation Manager			
	Install Install software packages.	Manage Licenses	
	<b>Update</b> Discover and install updates and fixes to installed software packages.	Import	
	Modify Change installed software packages	Roll Back	
	functions.	Unitstan	

- 2. On the Installation Manager is launched, click Modify. The Modify Packages wizard is launched
- \_\_\_\_3. In the Modify Packages panel, select the package group you want to modify
  - \_\_\_\_a. Select the package group name as IBM WebSphere Integration Developer

Modify Packages		
Select a package group to modify.		6
Package Group Name	Directory	
IBM WebSphere Application Server - ND_20100201_1704	C:\IBM\WID7_WTE\runtimes\bi_v7	
IBM WebSphere Integration Developer	C:\IBM\WID7	
<ul> <li>IBM WebSphere Integration Developer</li> <li>Shared Resources Directory: C:\IBM\SDPShared</li> <li>Installation Directory: C:\IBM\WID7</li> <li>Eclipse IDE: C:\IBM\WID7</li> </ul>		
Installed Packages and Fixes		
<ul> <li>IBM® Lotus® Forms Designer 3.5.1 Fixpack 1</li> </ul>		
<ul> <li>IBM® WebSphere® Integration Developer 7.0.0.101</li> </ul>		
< Bard	Next > Modify	Cancel

- \_\_\_\_\_4. Click Next
- \_\_\_\_\_ 5. In the next panel, select the translations you want to install

IB№	1 Installation Ma	nager				
	Modify Pack	ages				1
	Select the translat	ions to install.				1
	Modify	Features Summa	ary 📄			
	Translations					
	🗹 <u>E</u> nglish	Brazilian P <u>o</u> rtuguese	Czech	Erench	German	
	🔲 <u>H</u> ungarian	🔲 I <u>t</u> alian	🔲 Japanese	🔲 Korean	🗖 Polish	
	Ru <u>s</u> sian	Simplified Chinese	Spanish	Traditional <u>C</u> hinese		
?			<	<u>B</u> ack <u>N</u> ext >	Modify	Cancel

\_\_\_\_ 6. Click Next

7. In the next features panel, select or clear the WebSphere Integration Developer features you want to add or remove. For demonstrational purposes, select to add the Additional IBM WebSphere Adapters and clear to remove Local help contents

	1994 S.					
Modify Package	S					1 mil
Select the features to inst	all or unsele	ect the features	to remove.			19
		14 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	20			
Modiry	atures /	Summary	20			
Features						
🖻 🔽 🧊 IBM® Lotus®	Forms Desi	gner 3.5.1 Fixpa	ack 1			
Lotus Form	ns Designer					
🖃 💟 🚺 IBM® WebSph	nere® Integ	gration Develope	er 7.0.0.101			
🗹 E-mail, Fla	it File, FTP a	and JDBC IBM W	ebSphere Adapter	s		
🖃 🗹 🐚 Additional	IBM WebSp	here Adapters				
	adapter					
Domini	o adapter					
IMS ac	dapter					
	adapter					
	wards adapi	ter				
	e adapter Soft odoot	22				
	sourc auapu danter	er				
Siebel	adapter					
Websi	obere ûdan	ter Toolkit				
	contents	Cor roomac				
Monitor M	odel editor					
	elopment to	ols				
🗄 🗖 🚺 Lifecycle ir	ntegration c	lients				
Additional	developme	nt tools				
i in the second second	-5-9-16-16-16-16-16-16-16-	10000000			10004-01	
Show dependencies				Expand All	lapse All <u>R</u> esto	re
🏇 - Selected by Installatic	on Manager	because of dep	endencies			
Details						
		120040				
Addicional IBM WebSpi	nere Adap	icers			- 200 N - 200	
Adapters access programs and their documentation	; and data c which are in	n Enterprise Inf ocluded with We	ormation Systems bSobere Integration	(EISs). Installing ti on Developer Versi	ne following adapte	rs
IBM® WebSphere® Adap	ter for JD E	dwards Enterpri	seOne, IBM WebSp	here Adapter for	Oracle E-Business	
Suite, IBM WebSphere Ad	apter for Pe	opleSoft Enterp	rise, IBM WebSphe	ere Adapter for SA	P Software, and	
.BM WebSphere Adapter fr	or Siebel Bu	siness Applicatio	ns. Note, these ad	lapters are provide	ed for development	
use only, to use any of the	em in a proc	duction environm	hent you must puro	hase specific licen:	ses.	
Disk Space Informatio	n					
	Volume	Dequired	S	Tabal	Augilable	
	VOIDING	Required	remporary		Available	
Shared Resources Area	C:	32,70 MB	51,86 MB	84,56 MB	ZU, /6 GB	
Shared Resources Area Installation Directory	C: C:	32.70 MB 42.11 MB	51,86 MB	84.56 MB 42.11 MB	20.76 GB 20.76 GB	

#### \_\_\_\_ 8. Click Next

9. In the next panel, verify the modification summary of the package group you selected

M Installation Manager	
Modify Packages	
Review the summary information. Click Back to make changes o	r click Modify.
Modify Features Summary	
Target Location	
Package Group Name: IBM WebSphere Integration Dev	/eloper
Installation Directory: C:\IBM\WID7	
Shared Resources Directory: C:\IBM\SDPShared	
Features	
Adding Feature	Removing Feature
🖃 🧊 IBM® WebSphere® Integration Developer 7.0.0.101	🖃 🧊 IBM® WebSphere® Integration Developer 7.0.0.101
🗆 🏠 Additional IBM WebSphere Adapters	🚯 Local help contents
🚯 CICS adapter	
🚯 Domino adapter	
🚯 IMS adapter	
🚯 iSeries adapter	
🚯 JD Edwards adapter	
🚯 Oracle adapter	
🚯 PeopleSoft adapter	
🚺 SAP adapter	
🚺 Siebel adapter	
🕼 WebSphere Adapter Toolkit	
Environment	Disk Space Information
English	Total Available Space
	C: 20.76 GB
	Total Download Size: 61-17 MB
	Total Installation Size: 126.66 MB
Repository Information	
	z Pack Novitis Madifu Consel
	< Dark Maxi > Modily Caucel

10. Click Modify. The addition or removal process, which is the modification process progresses

🖄 IBM Installation Manager	
Modify Packages	
The modification comp	leted successfully. View Log File
The following package was modified:	The following package was not modified:
IBM® WebSphere® Integration Developer	🗊 IBM® Lotus® Forms Designer
Note: If the packages support rollback, the temporary direc delete the files on the <u>Files for rollback</u> preference page.	tory contains rollback files for installed packages. You can
0	Einish

\_\_\_\_\_ 11. Once the modification is complete, click Finish to quit the Installation Manager

# Task 6: Modify WebSphere test environment using Modify Packages wizard

This part of the exercise demonstrates how to modify the WebSphere test environment package group which is the IBM WebSphere Application Server package group, using the Modify Packages wizard in the Installation Manager. Modifying a package in the Installation Manager context is to add or remove a feature from the selected package group, provided the pre-requisites are met.

Complete the instructions below to modify the WebSphere Application Server package group:

1. Launch the Installation Manager. From the Windows Start menu, select **Programs** → IBM Installation Manager

🖄 IBM Installation Manager			. 🗆 🗙
Eile Help			
IEM. Installation Manager			
	Install Install software packages.	Manage Licenses	
	<b>Update</b> Discover and install updates and fixes to installed software packages.	Import	
	Modify Change installed software packages	Roll Back	
	by adding or removing features and functions.	Uninstall	

- 2. On the Installation Manager is launched, click Modify. The Modify Packages wizard is launched
- 3. In the Modify Packages panel, select the package group you want to modify

\_\_\_\_a. Select the package group name as IBM WebSphere Application Server - ND

mouny ruckugos		
Select a package group to modify.		0
Package Group Name	Directory	
IBM WebSphere Application Server - ND_20	0100201_1704 C:\IBM\WID7_WTE\runtimes\bi_v7	
IBM WebSphere Integration Developer	C:\IBM\WID7	
Details		
IBM WebSphere Application Server - ND_2010	00201_1704	
Shared Resources Directory: C:\IBM\SDPShared		
• Installation Directory: C:\IBM\WID7_WTE\runtime	es\bi_v7	
<ul> <li>Eclipse IDE: C:\IBM\WID7_WTE/runtimes/bi_v7</li> </ul>		
Installed Packages and Fixes		
IBM WebSphere Application Server - ND 7.0.0.7		
IBM WebSphere Application Server V7 Feature Pa	ack for Service Component Architecture (SCA) 1.0.1.1	
IBM WebSphere Application Server V7 Feature Pa	ack for XML 1.0.0.1	
- Ibit hoppholo Application bolton the occurrence		

- 4. Click Next
- 5. In the next panel, select the translations you want to install

M Installation Ma	anager				_ [
Modify Pac	kages				P
Select the transla	tions to install.				19
Modify	Features Summa	ary			
Translations					
🗹 <u>E</u> nglish	Brazilian P <u>o</u> rtuguese	Czech	Erench	🔲 <u>G</u> erman	
Hungarian	🔲 I <u>t</u> alian	🔲 Japanese	🔲 <u>K</u> orean	🗖 Polish	
			Traditional Chinasa		

- 6. Click Next
- 7. In the next features panel, select or clear the WebSphere test environment features you want to add or remove. For demonstrational purposes, select to add the **Stand-alone development** WebSphere Process Server profile (qwps)

Modify Packages				P
Select the features to install or unselect	the features to remov	e.		14
Modify Features	Summary			
Features				
🖃 🖾 🚺 IBM® WebSphere® Busines	s Monitor 7.0.0.0			
🖃 🖾 🥵 WebSphere Business Mo	nitor Server			
Stand-alone develop	oment WebSphere Mon	tor profile (qmwas)		
Stand-alone develop	oment WebSphere Mon	tor on WebSphere F	Process Server pro	ofile (qmwps)
Stand-alone develop	oment WebSphere Mon	tor on WebSphere B	Interprise Service	Bus profile (qme
Alphablox				
🖃 🔛 🚺 IBM® WebSphere® Process	Server 7.0.0.1			
WebSphere Process Ser	ver - Client (always ins	talled)		
🖃 🐨 🎼 WebSphere Process Ser	ver			
Sample applications				
Stand-alone develop	oment WebSphere Proc	ess Server profile (o	lmbs)	
Stand-alone develop	oment WebSphere Ente	rprise Service Bus p	rofile (qesb)	
🕀 📝 🚺 IBM WebSphere Application	Server - ND 7.0.0.7			
🕀 🔽 🚺 IBM WebSphere Application	Server V7 Feature Pac	k for Service Compo	nent Architecture	(SCA) 1.0.1.1
🔽 🧊 IBM WebSphere Application	Server V7 Feature Pac	k for XML 1.0.0.1		
	(SSA) 27 20		zpano Ali Colla	
	cause of dependencies			
Selected by Installation Manager be				
Selected by Installation Manager be Details				
Selected by Installation Manager be Details				
<ul> <li>Selected by Installation Manager be</li> <li>Details</li> <li>WebSphere Process Server</li> </ul>				
<ul> <li>Selected by Installation Manager be</li> <li>Details</li> <li>WebSphere Process Server</li> <li>Choose this feature for a full installation</li> </ul>	of WebSphere Process	: Server, which inclu	des the client cod	e and the server
<ul> <li>Selected by Installation Manager be</li> <li>Details</li> <li>WebSphere Process Server</li> <li>Choose this feature for a full installation</li> </ul>	of WebSphere Process	: Server, which inclu	des the client cod	e and the server
<ul> <li>Selected by Installation Manager be</li> <li>Details</li> <li>WebSphere Process Server</li> <li>Choose this feature for a full installation</li> <li>Disk Space Information</li> </ul>	of WebSphere Process	: Server, which inclu	des the client cod	e and the server
<ul> <li>Selected by Installation Manager be</li> <li>Details</li> <li>WebSphere Process Server</li> <li>Choose this feature for a full installation</li> <li>Disk Space Information</li> <li>Volume</li> </ul>	of WebSphere Process Required	: Server, which inclu Temporary	des the client cod	e and the server Available
<ul> <li>Selected by Installation Manager be</li> <li>Details</li> <li>WebSphere Process Server</li> <li>Choose this feature for a full installation</li> <li>Disk Space Information</li> <li>Volume</li> <li>Shared Resources Area C;</li> </ul>	of WebSphere Process Required 0.0 KB	: Server, which inclu Temporary 14.30 MB	des the client cod Total 14.30 MB	e and the server Available 20.68 GB
<ul> <li>Selected by Installation Manager be</li> <li>Details</li> <li>WebSphere Process Server</li> <li>Choose this feature for a full installation</li> <li>Disk Space Information</li> <li>Volume</li> <li>Shared Resources Area C: Installation Directory C:</li> </ul>	of WebSphere Process Required 0.0 KB 15.69 MB	: Server, which inclu Temporary 14.30 MB	des the client cod Total 14.30 MB 15.69 MB	e and the server Available 20.68 GB 20.68 GB
<ul> <li>Selected by Installation Manager be</li> <li>Details</li> <li>WebSphere Process Server</li> <li>Choose this feature for a full installation</li> <li>Disk Space Information</li> <li>Volume</li> <li>Shared Resources Area C: Installation Directory C:</li> </ul>	of WebSphere Process Required 0.0 KB 15.69 MB	Server, which inclu Temporary 14.30 MB	des the client cod Total 14.30 MB 15.69 MB	Available 20.68 GB 20.68 GB

- \_\_\_\_ 8. Click Next
- 9. In the next panel, expand Common Configurations and select Profile Configuration from the left navigation frame and then enter the administrative security credentials:
  - \_\_\_a. User name : admin
  - \_\_\_\_b. Password : superSecret
  - \_\_\_\_ c. Confirm Password : superSecret

性 IBN	M Installation Manager	
	Modify Packages	
	Fill in the configurations for the packages.	
Ι.	Modify Features Su	ummary
	Common Configurations	Common Configurations Profile Configuration
		The default credentials for your profile will be "admin" and "admin"
		User name: admin
		Password:
		⊆onfirm password:
?		< <u>B</u> ack <u>N</u> ext > Modify Cancel

- \_\_\_\_ 10. Click Next
- \_\_\_\_\_ 11. In the next panel, verify the modification summary of the package group you selected

M Installation Manager	
Modify Packages	A
Review the summary information. Click Back to make changes or click Mo	odify.
Modify Features Summary	
Target Location	
Package Group Name: IBM WebSphere Application Server - ND	_20100201_1704
Installation Directory: C:\IBM\WID7_WTE\runtimes\bi_v7	
Shared Resources Directory: C:\IBM\SDPShared	
Features	
Adding Feature	Removing Feature
🖃 🧊 IBM® WebSphere® Process Server 7.0.0.1	
🗆 🚯 WebSphere Process Server	
🚺 👔 🚯 Stand-alone development WebSphere Process Server	pr
	7
	•
Environment	Disk Space Information
English	Total Available Space
	C: 20.68 GB
	Total Download Size: 0.0 KB Total Installation Size: 30.1 KB
Repository Information	Total Installation Size: 50.1 KB
/ Seck	Next > Modify Cancel
\_\_\_\_\_12. Click Modify. The addition or removal process, which the modification process progresses

Modifying.: [ (99%) Creating profile ]

Modify Packages	
The modificat	ion completed successfully. <u>View Log File</u>
The following package was modified:	None of the following packages were modified:
IBM® WebSphere® Process Server	<ul> <li>IBM WebSphere Application Server - ND</li> <li>IBM WebSphere Application Server V7 Feature Pac</li> <li>IBM WebSphere Application Server V7 Feature Pac</li> <li>IBM® WebSphere® Business Monitor</li> </ul>
lote: If the packages support rollback, the tempor	ary directory contains rollback files for installed packages. You c

\_\_\_\_\_13. Once the modification is complete, click Finish to quit the Installation Manager

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