WebSphere Business Monitor V7.0 Installation and stand-alone server profile creation

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What this exercise is about

The objective of this exercise is to install WebSphere[®] Business Monitor V7.0 binaries on a WebSphere Application Server Network Deployment package group and eventually create a stand-alone server profile using the Typical or Advanced profile creation options good for 32-bit and 64-bit system users. Instructions are also provided for augmenting an existing WebSphere Process Server V7.0 stand-alone server profile with Monitor stand-alone (default) server profile template.

Exercise requirements

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

For Monitor V7.0 on WebSphere Application Server V7.0.0.7

- IBM Installation Manager V1.3.3
- WebSphere Application Server V7.0.0.7
- WebSphere Business Monitor V7.0

For Monitor V7.0 on WebSphere Process Server V7.0

- IBM Installation Manager V1.3.3
- WebSphere Application Server V7.0.0.7
- WebSphere Process Server V7.0
- WebSphere Business Monitor V7.0

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
- Install WebSphere Application Server V7.0.0.7
- Install WebSphere Business Monitor V7.0
 - WebSphere Business Monitor V7.0 binaries including Alphablox
 - o WebSphere Application Server V7 Feature Pack for XML
- Create WebSphere Business Monitor V7.0 Stand-alone server profile
 - o Using Typical or Advanced profile creation options
- Augment an existing WebSphere Process Server V7.0 stand-alone server profile with Monitor standalone server profile template
 - o Using Typical and Advanced profile creation options

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
<wbm_home></wbm_home>	C:\IBM\WebSphere\MonServer	
<wbm_profile_home></wbm_profile_home>	<wbm_home>\profiles\WBMon01</wbm_home>	
<db_scripts></db_scripts>	<wbm_profile_home>\dbscripts.wbm</wbm_profile_home>	
Augment WebSphere Process Server Stand-alone server profile		
<wbm_wps_home></wbm_wps_home>	C:\IBM\WebSphere\ProcServer	
<wbm_wps_profile_home></wbm_wps_profile_home>	<wbm_wps_home>\profiles\ProcSrv01</wbm_wps_home>	
<db_scripts> <wbm_wps_profile_home>\dbscripts.wbm</wbm_wps_profile_home></db_scripts>		

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 is the installation file you need to complete the exercise:

Product	File Name
WebSphere Business Monitor V7.0	Monitor_V7.0_Windows_32.zip

Introduction

IBM® WebSphere® Business Monitor is a comprehensive business activity monitoring software that provides an up-to-date view of your business performance and provides predictions so that you can take action before problems occur. Personalized business dashboards process business events and data, and calculate key performance indicators (KPIs) and metrics. WebSphere Business Monitor can collect events and data from a wide variety of sources including WebSphere Process Server and IBM FileNet® P8 BPM. In addition, you can use WebSphere Adapters to collect events from additional sources.

In this exercise, you will install and create a WebSphere Business Monitor stand-alone profile to achieve a single-server environment using the Typical or Advanced profile creation options:

Typical profile (default): This option uses default configuration settings. The profile management tool assigns unique names to the profile, node, and cell. The tool also installs the administrative console, installs default applications, and assigns unique port values. You can choose to enable administrative security during the configuration. Depending on the operating system and your user permissions, the tool might create a system service to run the WebSphere Business Monitor. All required databases will use Derby Embedded.

Advanced profile creation: This option uses default configuration settings or you can select your own WebSphere Business Monitor components. You can assign your own port values. You can choose to deploy the administrative console, deploy sample applications, and create a Web server definition. Depending on the operating system and your user permissions, you might choose to run the WebSphere Business Monitor as a system service. You can specify the file store locations for the messaging engine. You can choose to install the human task application and global process monitor model application. You can also specify your own values for the WebSphere Business Monitor database configuration.



Part 1: Preparing for the WebSphere Business Monitor installation image

In this part of the exercise, the WebSphere Business Monitor V7.0 DVD image is obtained and extracted -- creating the correct on-disk structure for the installation image.

1. The following is the installation file needed to install the WebSphere Business Monitor V7.0 binaries on Windows operation system:

Product Name	File Name	
WebSphere Business Monitor V7.0	Monitor_V7.0_Windows_32.zip	

- 2. Obtain the WebSphere Business Monitor DVD image 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:\WBM70CDImage) and confirm that the directories and files are extracted correctly; it should appear similar to the picture below:

C:\WBM70CDImag	e			
Address 🛅 C:\WBM70	CDImage		•	🔁 Go
Custom DB2 Desktop-Component IEHS IM DK	iaunchpad LICENSES repository responsefiles scripts WAS	WAS_SYNC Autorun.inf Iaunchpad.exe Iaunchpad.ini Iaunchpad.sh		

Part 2: Installing WebSphere Business Monitor V7.0 binaries

In this part of the exercise, you will install the WebSphere Business Monitor V7.0 binaries using the Installation Manager on an existing WebSphere Application Server – ND package group.

You will use the WebSphere Business Monitor V7.0 Common Launchpad to silently install WebSphere Application Server V7.0.0.7 and then launch the Installation Manager from the Common Launchpad to install the WebSphere Business Monitor V7.0 binaries on the WebSphere Application Server - ND package group.

If you are installing WebSphere Business Monitor V7.0 for the first time on this machine, you have the opportunity to update it with the latest available refresh pack, fixes, and extensions at the same time when you install WebSphere Business Monitor V7.0.

Pre-requisite: Before proceeding to the next step, ensure you have enough disk space to install WebSphere Application Server V7.0.0.7 and then the WebSphere Business Monitor binaries.

Note: To augment a WebSphere Process Server V7.0 stand-alone server profile with Monitor stand-alone (default) server profile template, install the WebSphere Business Monitor binaries on an existing WebSphere Process Server package group.

Complete the instructions below to install the WebSphere Business Monitor V7.0 binaries:

___1. Navigate to the directory where the correct on-disk structure for the installation image was created

C:\WBM70CDImag	je		
Address 🛅 C:\WBM70)CDImage		💌 🄁 Go
Custom	🛅 launchpad	🛅 WAS_SYNC	
🛅 DB2	LICENSES	📑 autorun.inf	
Desktop-Component	🚞 repository	🙆 launchpad.exe	
🛅 IEHS	🚞 responsefiles	🧽 launchpad.ini	
🛅 IM	🚞 scripts	🚾 launchpad.sh	
🛅 ЭЛК	🛅 WAS		

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

🙆 IBM WebSphere Business Monitor	¥7.0 Launchpad
IBM WebSphere Busin Launchpad	Select a language: English
 WebSphere Business Monitor New installation Installation on existing WebSphere Process Server or WebSphere Enterprise Service Bus Installation on existing WebSphere Application Server Nonadministrative or nonroot installation WebSphere Business Monitor database scripts Migration information Additional software installation 	 IBM WebSphere Business Monitor Version 7.0 provides the business community with the capability of monitoring work flow performance, which improves work flow quality and productivity. This launchpad serves as a single point of reference for installing your monitoring environment. WebSphere Business Monitor installation roadmap To install a new WebSphere Business Monitor environment, click here. To install WebSphere Business Monitor to an existing WebSphere Process Server or WebSphere Enterprise Service Bus (ESB) environment, click here. To install WebSphere Business Monitor to an existing WebSphere Application Server environment, click here. To install WebSphere Business Monitor to an existing WebSphere Application Server environment, click here. To install WebSphere Business Monitor to an existing WebSphere Application Server environment, click here. To install WebSphere Business Monitor to an existing WebSphere Application Server environment, click here. To install WebSphere Business Monitor to an existing WebSphere Application Server environment, click here. To install WebSphere Business Monitor to an existing WebSphere Application Server environment, click here.
Exit	Installation-related information © The latest critical fixes and information about this release © Hardware and software requirements © WebSphere Business Monitor Web site © WebSphere Business Monitor information center © WebSphere Application Server information center © IBM AlphaBlox information center © Copyright IBM Corporation 2000, 2009. All Rights Reserved.
IBM.	

3. On the left navigation pane of the WebSphere Business Monitor Common Launchpad, click the WebSphere Business Monitor \rightarrow New Installation link

IBM WebSphere Business Monitor V7.0 Launchpad				
WebSphere Business Monitor	New installation			
 New installation Installation on existing WebSphere Process Server or WebSphere Enterprise Service Bus Installation on existing WebSphere Application Server Nonadministrative or nonroot installation 	 Follow these steps to install a new WebSphere Business Monitor environment. 1. Install WebSphere Application Server Network Deployment: a. Specify the installation location: C:\IBM\WebSphere\MonServer b. Install WebSphere Application Server IBM Installation Manager will be installed or updated if needed. Then WebSphere Application Server Network Deployment is automatically imported into Installation Manager. 			
Monitor database scripts Migration information Additional software installation Exit	 Install WebSphere Business Monitor When you install WebSphere Business Monitor, the required Feature Pack for XML is automatically selected for installation. After you have installed WebSphere Business Monitor, you must create a profile and configure the components. See the information center for detailed information about your next steps. 			
M.				

_ 4. Specify the **Installation Location** for WebSphere Application Server Network Deployment in the text field

____a. Specify the Installation Location : Ex: C:\IBM\WebSphere\MonServer

Note: Ensure the specified WebSphere Application Server installation location does not exist. If so, you should see the warning dialog shown below when you click the 'Install WebSphere Application Server' link.



IBM WebSphere Business Monitor V7.0 Launchpad			
WebSphere Business Monitor	New installation		
New installation	Follow these steps to install a new WebSphere Business Monitor environment.		
Installation on existing WebSphere Process Server or WebSphere Enterprise Service Bus Installation on existing WebSphere Application Server Nonadministrative or nonroot installation	 Install WebSphere Application Server Network Deployment: a. Specify the installation location: C:\IBM\WebSphere\MonServer b. Install WebSphere Application Server IBM Installation Manager will be installed or updated if needed. Then WebSphere Application Server Network Deployment is automatically imported into Installation Manager. 		
Monitor database scripts Migration information Additional software installation Exit	 Install WebSphere Business Monitor When you install WebSphere Business Monitor, the required Feature Pack for XML is automatically selected for installation. After you have installed WebSphere Business Monitor, you must create a profile and configure the components. See the information center for detailed information about your next steps. 		

- ____5. Now, click the Install WebSphere Application Server link. This action silently installs IBM Installation Manager V1.3.3 to a default location, WebSphere Application Server V7.0.0.7 to the specified location and then imports the WebSphere Application Server repository to the Installation Manager
- 6. 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

IBM Web9	BM WebSphere Business Monitor ¥7.0 Launchpad 🛛 🛛 🔀			
⚠	If IBM Installation Manager is already installed and is running, close it before you continue.			
	ок			

7. Click or. The WebSphere Application Server V7.0.0.7 installation progresses

Installing WebSphere Application Server (this will take some time and the progress bar will not advance)	

8. Once the installation is complete, you should see a pop-up stating that the WebSphere Application Server installation is successful and imported into Installation Manager



9. Click or

Note: Navigate to the WebSphere Application Server installation home logs directory, <WBM_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

_ 10. Back to the WebSphere Business Monitor Common Launchpad, click the Install WebSphere Business Monitor link

IBM WebSphere Business Monitor V7.0 Launchpad				
Launchpad	Select a language: English 💽			
WebSphere Business Monitor	New installation			
New installation	Follow these steps to install a new WebSphere Business			
Installation on existing WebSphere Process Server or WebSphere Enterprise Service Bus Installation on existing WebSphere Application Server Nonadministrative or nonroot installation WebSphere Business	 Install WebSphere Application Server Network Deployment: a. Specify the installation location: C:\IBM\WebSphere\MonServer b. Install WebSphere Application Server IBM Installation Manager will be installed or updated if needed. Then WebSphere Application Server Network Deployment is automatically imported into Installation Manager. 			
Monitor database scripts Migration information Additional software installation Exit	 2. <u>Install WebSphere Business Monitor</u> When you install WebSphere Business Monitor, the required Feature Pack for XML is automatically selected for installation. After you have installed WebSphere Business Monity you must create a profile and configure the components. See the information center for detailed 			
IBM.	information about your next steps.			

_____ 11. The Installation Manager is launched as shown in the picture below. You should see a list of the packages shown below:

```
_____ a. IBM WebSphere Business Monitor > Version 7.0.0.0
```

```
_ b. IBM WebSphere Application Server V7 Feature Pack for XML \rightarrow Version 1.0.0.0
```

Note: If you do not select any features in this panel, Business Space and WebSphere Business Monitor license files are installed on the WebSphere Application Server package group.

Install Packages			
Select the packages to install.			
Installation Packages	Status	Vendor	License Key Type
🖃 🗹 🧊 IBM® WebSphere® Business Monitor			
🖂 🔽 🕼 Version 7.0.0.0		IBM	
🖻 🗹 🧊 IBM WebSphere Application Server V7 Feature Pack for XML			
🔤 🔽 😱 Version 1.0.0.0		IBM	
Details	Check	for Other '	Versions and Extensio
IBM® WebSphere® Business Monitor 7.0.0.0			
If you do not select any features, Business Space and the WebSphere Bu	siness Monit	or license f	files are installed.
More info			
Repository: C:\WBM70CDImage\repository			

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

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

Note: At the time of writing this document, there is no refresh pack available for monitor. However the XML feature pack Version 1.0.0.1 Fix Pack is available. Ensure your machine is connected to the network accessible to the WebSphere Business Monitor live repository Web site.

13. 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



14. Click or. You should see the Install Packages panel updated with the latest available packages, for example WebSphere Application Server V7 XML Feature Pack Version 1.0.0.1 **Note:** The Installation Manager only lists and selects recommended 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® WebSphere® Business Monitor				
🔤 🔽 🖓 Version 7.0.0.0		IBM		
🖻 🗹 🧊 IBM WebSphere Application Server V7 Feature Pack for XML				
		IBM		
🔤 🔽 🖓 Version 1.0.0.1		IBM		
Show all versions	Check	for Other '	Versions and Extensio	ns

In this exercise, you will install WebSphere Business Monitor V7.0 with WebSphere Application Server V7 Feature Pack for XML Version 1.0.0.1 selected.

- _____15. In the select packages panel, select the packages with the appropriate versions you like to install
 - ____ a. Select IBM WebSphere Business Monitor → Version 7.0.0.0

Install Packages			
Select the packages to install.			
Installation Packages	Status	Vendor	License Key Type
☐ IBM® WebSphere® Business Monitor Image: Image of the second		IBM	
IBM WebSphere Application Server V7 Feature Pack for XML		IBM	
Show all versions	Check	for Other \	/ersions and Extensions
Details			
IBM® WebSphere® Business Monitor 7.0.0.0			
If you do not select any features, Business Space and the WebSphere B	usiness Monil	tor license l	files are installed.
More info			
 Repository: http://public.dhe.ibm.com/software/websphere/reposito 	ries/		
Back	Next >	Ir	nstall Cancel

Note: If you do not select any features in this panel, Business Space and WebSphere Business Monitor license files are installed on the WebSphere Application Server package group.

____ 16. Click Next

- 17. In the next panel, read the license agreements. If you agree to the terms, select the radio button next to I accept the terms in the license agreements and Click Next
 - 18. 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

Note: To augment a WebSphere Process Server V7.0 stand-alone server profile with Monitor stand-alone (default) profile template, select an existing WebSphere Process Server (Ex: C:\IBM\WebSpehre\ProcServer) package group to install the WebSphere Business Monitor binaries.

O ⊆reate a new package group	totalistic State
	C:\IBM\WebSphere\ProcServer
Installation Manager	
nstall Packages package group is a location that contains one or more packages. Extensi- ackage group only and will share a common user interface. Select an exist	ons can be installed into a common
Install Licenses Location Features	Summary
Use the existing package group	
Create a new package group	
Package Group Name	Installation Directory
Package Group Name IBM WebSphere Application Server - ND_20091114_1110	Installation Directory C:\IBM\WebSphere\MonServer
Package Group Name 	Installation Directory C:\IBM\WebSphere\MonServer
Package Group Name IBM WebSphere Application Server - ND_20091114_1110	Installation Directory C:\IBM\WebSphere\MonServer
Package Group Name IBM WebSphere Application Server - ND_20091114_1110 Package Group Name: IBM WebSphere Application Server - ND_20091114	Installation Directory C:\IBM\WebSphere\MonServer 4_1110
Package Group Name IBM WebSphere Application Server - ND_20091114_1110 Package Group Name: IBM WebSphere Application Server - ND_20091114 Installation Directory: C:\IBM\WebSphere\MonServer	Installation Directory C:\IBM\WebSphere\MonServer 4_1110 Browse
Package Group Name IBM WebSphere Application Server - ND_20091114_1110 Package Group Name: IBM WebSphere Application Server - ND_20091114 Installation Directory: C:\IBM\WebSphere\MonServer Details	Installation Directory C:\IBM\WebSphere\MonServer 4_1110 Browse Disk Space Information
Package Group Name IBM WebSphere Application Server - ND_20091114_1110 Package Group Name: IBM WebSphere Application Server - ND_20091114 Installation Directory: C:\IBM\WebSphere\MonServer Details Shared Resources Directory: C:\Program Files\IBM\BPMShared	Installation Directory C:\IBM\WebSphere\MonServer 4_1110 Browse Disk Space Information Volume Available Space
Package Group Name IBM WebSphere Application Server - ND_20091114_1110 Package Group Name: IBM WebSphere Application Server - ND_20091114 Installation Directory: C:\IBM\WebSphere\MonServer Details • Shared Resources Directory: C:\Program Files\IBM\BPMShared • Eclipse IDE: C:\IBM\WebSphere\MonServer	Installation Directory C:\IBM\WebSphere\MonServer 4_1110 Browse, Disk Space Information Volume Available Space C: 15.56 GB
Package Group Name IBM WebSphere Application Server - ND_20091114_1110 Package Group Name: IBM WebSphere Application Server - ND_20091114 Installation Directory: C:\IBM\WebSphere\MonServer Details • Shared Resources Directory: C:\Program Files\IBM\BPMShared • Eclipse IDE: C:\IBM\WebSphere\MonServer Installed Packages	Installation Directory C:\IBM\WebSphere\MonServer 4_1110 Browse, Disk Space Information Volume Available Space C: 15.56 GB
Package Group Name IBM WebSphere Application Server - ND_20091114_1110 Package Group Name: IBM WebSphere Application Server - ND_20091114 Installation Directory: C:\IBM\WebSphere\MonServer Details • Shared Resources Directory: C:\Program Files\IBM\BPMShared • Eclipse IDE: C:\IBM\WebSphere\MonServer Installed Packages • IBM WebSphere Application Server - ND 7.0.0.7	Installation Directory C:\IBM\WebSphere\MonServer 4_1110 Bgowse Disk Space Information Volume Available Space C: 15.56 GB
Package Group Name IBM WebSphere Application Server - ND_20091114_1110 Package Group Name: IBM WebSphere Application Server - ND_20091114 Installation Directory: C:\IBM\WebSphere\MonServer Details • Shared Resources Directory: C:\Program Files\IBM\BPMShared • Eclipse IDE: C:\IBM\WebSphere\MonServer Installed Packages • IBM WebSphere Application Server - ND 7.0.0.7	Installation Directory C:\IBM\WebSphere\MonServer 4_1110 Browse Disk Space Information Volume Available Space C: 15.56 GB

```
____ 19. Click Next
```

- 20. In the next panel, click the **Expand All** button to see all the features. Accept the defaults but ensure the features listed below are selected. Do not select any Stand-alone server profile options.
 - __ a.IBM WebSphere Business Monitor Server 7.0.0.0 → WebSphere Business Monitor Server
 - 1) (Optional) Stand-alone development WebSphere Monitor profile (qmwas)

- 2) (Optional) Stand-alone development WebSphere Monitor on WebSphere Process Server profile (qmwps)
- 3) (Optional) Stand-alone development WebSphere Monitor on WebSphere Enterprise Server Bus profile (qmesb)
- ____ b. Alphablox
- ___C.IBM WebSphere Application Server V7 Feature Pack for XML 1.0.0.1

Note1: In the exercise, you use the Profile Management Tool to create WebSphere Business Monitor profiles. However, if you want to create the Monitor stand-alone server development profiles for WebSphere Application Server, WebSphere Process Server and WebSphere Enterprise Service Bus, select the respective check box.

Note2: The stand-alone server development WebSphere Monitor options on WebSphere Process Server and WebSphere Enterprise Service Bus profiles are not available and not available for selection. Install the process server and enterprise service bus binaries on the WebSphere Application Server ND package group to active these options.

Insta Select th Inst Feature	II Package he features to in tall Lice	S stall.						
Select th Inst	he features to in	stall.						
Inst Feature	tall 🔪 Lice	nses L						
Feature		1303 <u> </u>	ocation	Feature	es 🔰 Si	Jmmary		
	es							
	🚺 IBM® WebS	phere® Busine	ss Monitor 7.0.	.0.0				
	🗹 🔥 WebSph	ere Business M	onitor Server					
	Stan	d-alone develo;	pment WebSph	iere Monitor	[,] profile (qmw	ias)		
	Stan	d-alone develo	pment WebSph	iere Monitor	on WebSphe	ere Process S	ierver profile	(qmwps)
	i Stan	d-alone develo	pment WebSph	iere Monitor	on WebSphe	ere Enterpris	e Service Bus	; profile (qmesb)
	Alphablo	×				_		
	🗊 IBM WebSph	ere Application	Server V7 Fea	iture Pack fo	or XML 1.0.0.	1		
🔲 Show	v dependencies				(E)	kpand All	Iollapse All	Restore Default
🍲- Sele	ected by Installa	tion Manager b	ecause of depe	endencies	S			
Details								
IBM® V	WebSphere® E	Business Mon	itor 7.0.0.0					
If you do	o not select any	features, Busin	ess Space and	the WebSpl	here Busines:	s Monitor lice	nse files are	installed.
Diek Sn	ace Informati	ion						
лэк эр	ace mormati							
		Volume	Req	uired	Temporary		Total	Available
Shared	Resources Area		0.	OKB OMB	514.78 MB	514.7	8MB 3 20MB	20.57 GB
Installa	cion Directory	C:	650.7	o MD		000.7	SPID (20.37 GD
)				2.0	each (Tochell	Capital
£							A DECEMBER OF THE OWNER	

- ____ 21. Click **Next**
 - 22. In the next panel, verify the WebSphere Business Monitor installation summary

Install Packages				-5
Review the summary informat	ion. Click Back to make changes	or click Install.		1
Install Licenses	Location Featur	res Su	ummary	
Target Location				
Package Group Name:	IBM WebSphere Application Ser	ver - ND_20100;	212_1439	
Installation Directory:	C:\IBM\WebSphere\MonServer			
Shared Resources Directory:	C:\Program Files\IBM\BPMShare	ed		
Packages				
Packages				
IBM® WebSphere® IBM® WebSphere Busir IbM® Alphablox IBM WebSphere Apple	Business Monitor 7.0.0.0 less Monitor Server ication Server V7 Feature Pack f	or XML 1.0.0.1		
Environment		Dis	sk Space Information	
English		с	Total Available Space 20.57 GE	e }
		Tot Tot	tal Download Size: 514.78 tal Installation Size: 1.14 G	3 MB ;B
Repository Information	1			

_____23. Click Install to continue with the installation. The WebSphere Business Monitor V7.0 installation progresses

Installing.: Retrieving files. 39 MB of 363 MB (11%) completed.	Davida Davida ad	Canaal	I
	Pause Download	Cancer	L

BM Installation Manager
Install Packages
The packages are installed. <u>View Log File</u>
The next step is to use the manageProfiles command or the Profile Management Tool to augment existing profiles or create a new profile to enable the functionality provided by the feature pack. See the Information Center articles on creating, deleting, and augmenting profiles. Additionally, Network Deployment customers should read the profile rules and limitations topic.
The following packages were installed into package group IBM Which package do you want to start? WebSphere Application Server - ND_20100212_1439:
 IBM® WebSphere® Business Monitor WebSphere Business Monitor Server Alphablox IBM WebSphere Application Server V7 Feature Pack for
Note: If the packages support rollback, the temporary directory contains rollback files for installed packages. You can delete the files on the Files for rollback preference page.
Image: State of the state o

___24. Select the radio button for **Profile Management Tool** and click **Finish** when the installation is complete

Note: Optionally select the radio button for **None** to quit the Installation Manager. You can launch the WebSphere Business Monitor **Profile Management Tool** at a later time.

Alternative: Silently install WebSphere Business Monitor V7.0 binaries

In this part of the exercise, you will install WebSphere Business Monitor binaries in a silent mode using a readily available script supported by a response file. If you are installing WebSphere Business Monitor for the first time on this machine, the features are updated with the latest available recommended refresh packs, fixes and extensions at the same time when you install WebSphere Business Monitor V7.0 provided the correct live repository locations is/are defined.

WebSphere Business Monitor core files can be installed in a silent mode which can be helpful in the event of the graphical user interface not available due to operating system restrictions. To achieve this, you will modify the readily available WebSphere Business Monitor installation script template (run_template.bat) and the response file template (template_response.xml) to suit your installation needs.

What the **run_template.bat** script template does?

- Sets the parameters mentioned below:
 - Sets the path to the WebSphere Application Server Network Deployment installation image (WAS)
 - Sets the path of the WebSphere Application Server Network Deployment installation location (WAS_LOCATION)
 - Sets the path to the Installation Manager Installation image (IM)
- Silently installs the WebSphere Application Server Network Deployment core file to the specified location
- Finally runs the Installation Manager executable file with template_response.xml response file as input

What the Installation Manager template_response.xml response file template does?

- Installs or updates the Installation Manager
- Synchronizes the WebSphere Application Server installation with the Installation Manager and creates a package group and names it, IBM WebSphere Application Server – ND
- Installs the WebSphere Application Server V7 Feature Pack for XML using the Installation Manager
- Installs IBM WebSphere Business Monitor and features using the Installation Manager

Note: Visit Part 1: Preparing for the WebSphere Business Monitor installation image to extract and create the correct on-disk structure for the WebSphere Business Monitor V7.0 installation image.

Complete the instructions below to install WebSphere Business Monitor in a silent mode:

- ____1. Create an on-disk WebSphere Business Monitor installation image
- 2. Navigate through the **responsefiles**\WBM directories (Ex: C:\WBM70CDImage\ **responsefiles**\WBM). You should see two files, a script and a response file as shown below:

🗁 C:\WE	C:\WBM70CDImage\responsefiles\WBM		
A <u>d</u> dress	🛅 C:\WBM70CDImage\responsefiles\WBM	💌 🄁 Go	
💿 run_te 🔮 templa	mplate.bat te_response.xml		

3. Make a copy of the run_template.bat and template_response.xml files and name them, for example silent_run_template.bat and silent_template_response.xml

🗁 C:\\WBM70CDImage\responsefiles\\BM		_ 🗆 ×
Address 🛅 C:\WBM70CDImage\responsefiles\WBM	-	🔁 Go
<pre>supplier = supplier = suppli</pre>		
🖭 template_response.xml		
📄 silent_template_response.xml		
silent_run_template.bat		

Note: Ensure both the files exist in the \repositories\WBM directory of the installation image. Running the files from this location helps with using the relative paths set for the installation image, repository locations and so on in these files.

____4. Modify the **silent_run_template.bat** script to suit your installation needs

Note: In this exercise, you will modify the value for the **WAS_LOCATION** variable and then the name of the response file, if you named it different from the original file name.

____ a. Edit the silent_run_template.bat file using a text editor

____b. Under the **PARAMETRS** section, modify the value for the **WAS_LOCATION** variable to your need

Ex:set WAS_LOCATION = C:\IBM\WebSphere\MonServer

REM ###### PARAMETERS #######

set WAS IMAGE=.....WAS
set WAS_LOCATION=C:\IBM\WebSphere\MonServer
set IM_IMAGE=...\...\IM
set KEYRING=

Note: You need **not** modify the **WAS_IMAGE** and **IM_IMAGE** values unless this script template is moved to a different location or the installation image is created than the usual.

____ c. The next section of the script template, silently installs WebSphere Application Server Network Deployment to a specified installation location. You need not make any modifications to this section. Accept the defaults

```
"%WAS_IMAGE%\install" -silent -OPT silentInstallLicenseAcceptance=true -OPT
allowNonRootSilentInstall=true -OPT disableOSPrereqChecking=true -OPT
disableNonBlockingPrereqChecking=true -OPT installType=installNew -OPT
profileType=none -OPT feature=samplesSelected -OPT feature=languagepack.console.all
-OPT feature=languagepack.server.all -OPT installLocation="%WAS_LOCATION%"
```


REM Install WebSphere Application Server Network Deployment using a silent installation. REM

Note: Comment the WebSphere Application Server Network Deployment installation command if ti is already installed.

_____d. The final section of the script runs the response file template and logs the trace to a file in XML format. Modify the name of the response file if you named it different from the original. In this exercise, the file is named as silent_template_response.xml

echo "%IM_IMAGE%\installc" --launcher.ini "%IM_IMAGE%\silent-install.ini" -input "%PROGDIR%\silent_template_response.xml" -"%IM_IMAGE%\installc" --launcher.ini "%IM_IMAGE%\silent-install.ini" -input "%PROGDIR%\<mark>silent_template_response.xml</mark>" -log " "WYTATA

```
echo "%IM_IMAGE%\installc" --launcher.ini "%IM_IMAGE%\silent-install.ini" -input
"%PROGDIR%\silent_template_response.xml" -log
"%WAS_LOCATION%\logs\wbm\silent_install.log"
```

```
"%IM_IMAGE%\installc" --launcher.ini "%IM_IMAGE%\silent-install.ini" -input
"%PROGDIR%\silent_template_response.xml" -log
"%WAS_LOCATION%\logs\wbm\silent_install.log"
```

____e. Save and close the silent_run_template.bat script

- 5. Now, modify the silent_template_response.xml file to suit your installation needs. The response file defines a set of sequential activities called nodes which run specific tasks defined in that node
 - _____a. Node 1: <server></server> → the server node defines all the local and (or) live repository locations. You need not make any modifications to the **location** of the repositories, unless the response file and the script template are moved and run from a different location

```
All repositories are listed here.
A repository can be either a local location or a live repository.
If you have a local repository, replace the appropriate value below.
You do not need to remove the repository from this section if you decide not to install
that product
<server>
   <repository location="http://public.dhe.ibm.com/software/websphere/repositories/" />
</server>
```

Note: If you do not want the Installation Manager to update WebSphere Business Monitor and features to the latest available refresh packs, fixes and extensions at same time when you install WebSphere Business Monitor V7.0 binaries, remove the **repository** element (marked with an arrow in the picture shown above) with a live repository location defined.

_____b. Node 2: <profile></profile> → the profile node defines where the Installation Manager is installed. Note that the installLocation and the value for the eclipseLocation must be same. In this exercise you will set both the values to C:/IBM/IM/eclipse

Note: The Installation Manager expects only one eclipse cache location. Modify the eclipse cache location to suit your needs, only if this is a new Installation Manager installation. In this exercise, the eclipse cache location is set to C:/IBM/IM/eclipseCache

_____ c. Node 3: <install></install> → the install node directs the Installation Manager installer to install the Installation Manager if not already installed. This node is ignored/skipped if the Installation Manager is already installed on this machine. In either case, you need not make any modifications to this node

_____d. Node 4: <profile></profile> → the profile node defines where the WebSphere Application Server Network Deployment is installed. Specify the correct location where the WebSphere Application Server is installed. Note that the **installLocation** and the value for the **eclipseLocation** must be same. In this exercise the WebSphere Application Server is installed at C:\IBM\WebSphere\MonServer

Note: To augment a WebSphere Process Server V7.0 stand-alone server profile with Monitor stand-alone (default) profile template, type an existing WebSphere Process Server (Ex: C:\IBM\WebSphere\ProcServer) package group location to install the WebSphere Business Monitor binaries.

</profile>

Note: The default profile ID (or Package Group name) for a WebSphere Application Server installation is IBM WebSphere Application Server – ND. If you are installing WebSphere Business Monitor on an existing WebSphere Application Server which is already synchronized to the Installation Manager, meaning it already has a profile ID, provide the correct profile ID of that installation.

____ e. Node 4: <import></import> → the import node directs the Installation Manager to import the WebSphere Application Server Network Deployment installation location into the Installation Manager and creates a package group named after the profile ID you specified, which is IBM WebSphere Application Server - ND

- __ f. Node 5: <install></install> → the install node directs the Installation Manager to install the defined offerings under the specified profile group also called as the package group. There are two offerings defined. Accept the defaults
 - 1) com.ibm.websphere.XML.v10 offering installs the XML feature pack
 - 2) com.ibm.ws.WBM offering installs the Monitor feature including Alphablox

Note: Remove any inappropriate offering IDs. For example, if you are installing the WebSphere Business Monitor binaries on an existing Process Server package group, the XML feature pack offering is already installed. In this case remove the XML feature pack offering element.

Note: If the live repository location is defined for the mentioned offerings, the Installation Manager installs and updates the offerings with the latest available recommended refresh packs, fixes, and so on.

- ____g. Save and close the response file
- _6. Complete the instructions below to run the installation:
 - 1) Open a command window and change directories to
 - C:\WBM70CDImage\responsefiles\WBM and run the command as shown below:
 - Type silent_run_template.bat and press the Enter key



- b. The WebSphere Business Monitor V7.0 installation progresses and in the sequence mentioned below:
 - Installs WebSphere Application Server V7.0.0.7
 - Installs Installation Manager V1.3.3 or a recommended latest available version
 - Imports the WebSphere Application Server V7.0.0.7 installation location to the Installation Manager repository and creates a package group (profile ID) named IBM WebSphere Application Server - ND
 - Installs the XML feature pack, WebSphere Business Monitor including the Alphablox feature to the package group named IBM WebSphere Application Server –ND and updates with the available refresh packs, fixes and extensions if the live repository reference is made available

🔤 C:\WINDOWS\system32\cmd.exe
C:\WBM70CDImage\responsefiles\WBM>silent_run_template.bat
"IM\installc"launcher.ini "IM\silent-install.ini" -input "C:\WBM 70CDImage\responsefiles\WBM\\silent_template_response.xml" -log "C:\IBM\WebSpher e\MonServer\logs\wbm\silent_install.log" The next step is to use the manageProfiles command or the Profile Management Too 1 to augment existing profiles or create a new profile to enable the functionali ty provided by the feature pack. See the Information Center articles on creating , deleting, and augmenting profiles. Additionally, Network Deployment customers
C:\WBM70CDImage\responsefiles\WBM>_

- _____7. Verify the WebSphere Application Server installation
 - _____a. Navigate to the logs directory, <WBM_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 at the end of the file
- 8. Verify the XML feature pack installation
 - _____a. Navigate to the logs directory, <WBM_HOME>\logs\xml to verify the installation status. From the install directory, open the installconfig.log file. You should see the status reported as INSTCONFSUCCESS at the end of the file

🗁 C:\IBM\WebSphere\MonServer\logs\xml 📃 🗖					
Address 🛅 C:\I	BM\WebSphere\MonServer\logs\xml	-	🔁 Go		
install					

Note: If the live repository location is defined, the installation Manager updates the offering with the available fix packs, fixes and so on. In this case, you see an update directory with the version appended as shown in the picture above. Verify if the update is installed successfully by opening the installconfig.log file from the update.FP1001 directory.

- 9. Verify the WebSphere Business Monitor and alphablox installation
 - _____a. Navigate to the logs directory, <WBM_HOME>\logs\wbm to verify the installation status. From the install directory, open the installconfig_wbm.log and installconfig_abx.log file. You should see the status reported as INSTCONFSUCCESS at the end of the files
- 10. Run the Version Information command. Open a command window, change directories to <wbm_HOME>\bin and the versionInfo.bat. You should see the version information for all the
 offerings installed.

Part 3: Create WebSphere Business Monitor Stand-alone server profile

In this part of the exercise, you will create a WebSphere Business Monitor stand-alone server profile using the Profile Management Tool with Typical or Advanced profile creation options.

Note 1: To augment a WebSphere Process Server V7.0 stand-alone server profile with Monitor stand-alone (default) profile template, install the WebSphere Business Monitor binaries on the existing WebSphere Process Server package group. Then use the Profile Management Tool or manageprofiles command to augment it with help of WebSphere Business Monitor stand-alone server profile template. In this case, skip **Part 3** and complete the instructions from **Part 4**.

Note 2: - For manually profile creation, visit: Alternative: Manually create WebSphere Business Monitor stand-alone server profile

Complete the instructions below, to create a WebSphere Business Monitor stand-alone server profile:

- 1. Launch the Profile Management Tool
 - ____a. From the start menu, select IBM WebSphere → Business Monitor 7.0 → Profile Management Tool

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

🚯 Profile Management Tool 7.0
File Window Help
😰 🔞 Profile Management Tool 🚯 Welcome
Welcome X
Welcome to the Profile Management Tool
Launch Profile Management Tool
This wizard creates run-time environments that are referred to as <i>profiles</i> . At least one profile must exist to have a functional installation.
An initial profile typically is created during the installation process. Use this wizard to create additional profiles that each contain a set of commands, configuration files, log files, deployable applications and other information that defines a single application server environment.
Click the Launch Profile Management Tool button or the Profile Management Tool tab above to begin managing your profiles.
The online information centers provide more information about the Profile Management tool and setting up typical topologies.
WebSphere Application Server - View the online information center
WebSphere Business Monitor - View the online information center
WebSphere Application Server Feature Pack for XML Version 1.0 - View the online information center

2. Select the Profile Management Tool button

🏟 Profile Managem	ent Tool 7.0		
File Window Help			
📑 🔞 Profile Manag	ement Tool \ominus Welcome		
Profiles			- 8
Profile name	Environment	Profile nath	Create
	Environmente		
			Augment
2	i .	i	

- 3. Click the Create button. The Environment Selection panel is launched
- 4. In the **Environment Selection** panel, expand **WebSphere Business Monitor** and select Stand-alone monitor server

🚯 Profile Management Tool 7.0	l ×
Environment Selection	3
Select a specific type of environment to create. Environments:	
WebSphere Application Server Cell (deployment manager and a federated application server) Management Application server Custom profile Secure proxy (configuration-only) Secure proxy (configuration-only) WebSphere Application Server Feature Pack for XML Version 1.0 Secure Business Monitor Stand-alone monitor server Monitor server deployment manager Monitor server custom profile	
Description A WebSphere Business Monitor server environment runs your enterprise applications. This application server is managed from its own administrative console and functions independently from all other application servers.	
< Back Next > Finish Cancel	

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

Alternative: Typical profile creation option

 \rightarrow In the **Profile Creations Options** panel, select the radio button for **Typical profile creation** and click **Next**

→ In the next **Optional Application Deployment** panel, select the check box for **Deploy** the administrative console (recommended) and optionally select the check boxes for **Deploy** the **Sample applications** and **Deploy** the **default application**. Click **Next**

→ In the next Administrative Security panel, select the check box for Enable administrative security and enter the username and password in their respective fields. Click Next

 \rightarrow In the next **Profile Creation Summary** panel, verify the profile creation summary and click Create.

🕼 Profile Management Tool 7.0
Profile Creation Options
Choose the profile creation process that meets your needs. Select the Typical option to allow the Profile Management Tool to assign a set of default configuration values to the profile. Select the Advanced option to specify your own configuration values for the profile.
O Typical profile creation
Create a WebSphere Business Monitor profile that uses default configuration settings. The Profile Management Tool assigns unique names to the profile, node, and cell. The tool also installs the administrative console, installs default applications and assigns unique port values. You can choose to enable administrative security during the configuration. Depending on the operating system and your user permissions, the tool may create a system service to run WebSphere Business Monitor. All required databases will be configured for Derby Embedded.
Create a WebSphere Business Monitor profile using default configuration settings, or select your own WebSphere Business Monitor components. You can assign your own port values. You can choose to deploy the administrative console, deploy sample applications, and create a Web server definition. Depending on the operating system and your user permissions, you may choose to run the WebSphere Business Monitor as a system service. You can specify your own database configuration values for the Common Event Infrastructure database. You can specify the file store locations for the messaging engine. You can determine the Human Tasks configuration and specify your own values for the WebSphere Business Monitor database configuration.
< Back Next > Finish Cancel

____7. Click Next

- 8. In the next **Optional Application Deployment** panel, select the applications to deploy to the WebSphere Business Monitor 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	ja se
Select the applications to deploy to the WebSphere Business Moni	itor environment being created.
Deploy the Sample applications.	
Install the Sample applications to use the application server ar applications are not recommended for deployment to producti	nd evaluate the latest technological advancements. The Sample ion application server environments.
Deploy the administrative console (recommended). Install a Web-based administrative console that manages the recommended, but if you deselect this option, the information exists.	application server. Deploying the administrative console is n center contains detailed steps for deploying it after the profile
Deploy the default application.	
Install the default application that contains the Snoop, Hello, a	and HitCount servlets.
	< 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 : wBMon01
 - ____b. Profile Directory : <WBM_HOME>\profiles\WBMon01

Ex: C:\IBM\WebSphere\MonServer\profiles\WBMon01

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

Note: Creating the WebSphere Business Monitor 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.

Profile Management Tool 7.0	
Profile Name and Location	ိုးသြ
Specify a profile name and directory path to contain the file and log files. Click Browse to select a different directory. Profile name:	es for the run-time environment, such as commands, configuration files,
WBMon01	
Profile directory:	
C:\IBM\WebSphere\MonServer\profiles\WBMon01	
	Browse
Create the server using the development template.]
Select this option to create a server using configurat reduces startup time and allows the server to run on	tion settings optimized for development. The development template less powerful hardware. Do not use this option for production servers.
Important: Deleting the directory a profile is in does not completely delete a profile.	completely delete the profile. Use the manageprofiles command to
The following naming rules must be used:	
- Names must start and end with alphabetic characters (A-	Z, a-z), numbers (0-9), and underscores (_) only.
- Names may contain alphabetic characters (A-Z, a-z), num	h bers (0-9), periods (.), dashes (-) and underscores (_) only.
- Names must not contain spaces or these characters: () $*$	*,:;=+? <> %'"[]#\$^{}()
	Z De als de Marstels de Casa a de M

- 12. In the next **Node and Host Names** panel, specify the information below:
 - ___a. Node name :wbmNode01
 - ____b. Server name : server1
 - ____c. Host name : Ex: wbmserver.austin.ibm.com
 - ____d. Cell Name : wbmNode01Cell

🚯 Profile Management Too	ol 7.0	_ 🗆 🗙
Node and Host Name	s	20
Specify a node name, server r	name, host name, and cell name for this profile.	
Node name:		
wbmNode01		
Server name:		
server1		
Host name:		
wbmserver.austin.ibm.com		
Cell name:		
wbmNode01Cell		
Node name:A node nameServer name:A server nameHost name:A host nameCell name:A cell name is	is used for administration. If the node is federated, the name must be unique within the cell the is a logical name for the business monitor. is the domain name system (DNS) name (short or long) or the IP address of this computer. s a logical name for the group of nodes administered by this deployment manager.	
The following naming rules mu - Names must start and end w - Names may contain alphabet - Names must not contain space	st be used: ith alphabetic characters (A-Z, a-z), numbers (0-9), and underscores (_) only. tic characters (A-Z, a-z), numbers (0-9), periods (.), dashes (-) and underscores (_) only. ces or these characters: / \ * , : ; = + ? <> % ' " [] # \$ ^ { } ()	
See the information center for View the online information ce	r profile naming and migration considerations. Inter	
	< Back Next > Finish Ca	ancel

____ 13. Click Next

- 14. In the next **Administrative Security** panel, select the check box for **Enable administrative security** and then type the administrative username and password:
 - ___a. User name : admin
 - ___b. Password : superSecret
 - ____ c. Confirm Password : superSecret

🚯 Profile Management Tool 7.0		
Administrative Security		
Choose whether to enable administrative tools. This administrative tools. This administrative can add more users, groups, or exter	ive security. To enable security, supply a user name and password for logging e user is created in a repository within business monitor. After profile creation hal repositories.	into finishes, you
Enable administrative security		
User name:		
admin		
Password:		
••••		
Confirm password:		
••••		
See the information center for more in View the online information center	formation about administrative security. < Back Next > Finish	Cancel

- ____ 15. Click **Next**
- _____16. In the next Security Certificate (Part 1) panel, accept the defaults

🚯 Profile Management Tool 7.0	
Security Certificate (Part 1)	
Choose whether to create a default personal certificate and root sig certificates, proceed to Part 2 and provide the certificate informatio certificates then proceed to Part 2 and verify the certificate informa	ning certificate, or import them from keystores. To create new n. To import existing certificates from keystores, locate the tion.
Create a new default personal certificate.	
O Import an existing default personal certificate.	
Default personal certificate	
Path:	
	Browse
Password:	
Keystore type:	v
Keystore alias:	
Create a new root signing certificate Import an existing root signing certificate	
Root signing certificate	
Path:	
	Browse
Password:	
Keystore type:	
Kayatana alian	
Keyscore alias:	<u> </u>
	< Back Next > Finish Cancel
-	

- ____ 17. Click Next
- _____ 18. In the next Security Certificate (Part 2) panel, accept the defaults

🚯 Profile Management Tool 7.0
Security Certificate (Part 2)
Modify the certificate information to create new certificates during profile creation. If you are importing existing certificates from keystores, use the information to verify whether the selected certificates contain the appropriate information. If the selected certificates do not, click Back to import different certificates.
Restore Defaults
Default personal certificate (a personal certificate for this profile, public and private key):
Issued to distinguished name:
cn=wbmserver.austin.ibm.com,ou=wbmNode01Cell,ou=wbmNode01,o=IBM,c=US
Issued by distinguished name:
cn=wbmserver.austin.ibm.comlou=Root Certificate,ou=wbmNode01Cell,ou=wbmNode01,o=IBM,c=US
Expiration period in years:
Root signing certificate (personal certificate for signing other certificates, public and private key):
Expiration period in years:
15 💌
Default keystore password:
••••
Confirm the default keystore password:
•••••
Note: The default value for the keystore is well documented in the Information Center and should be changed to protect the security of the keystore files and SSL configuration.
< Back Next > Finish Cancel
19. Click Next

- 20. In the next **Port Values Assignment** panel, review the ports assigned. You can modify them to the required values, but ensure that the port numbers do not conflict with other services running on this machine
- 21. Click Next
- 22. In the next **Widows Service Definition** panel, clear the check box for **Run the business** monitor process as a Windows service

🚯 Profile Management Tool 7.0		_ 🗆 ×
Windows Service Definition		i a
Choose whether to use a Windows service to run business moni configure startup and recovery actions.	tor. Windows services can start and stop business mo	onitor, and
🔲 Run the business monitor process as a Windows service.		
C Log on as a local system account.		
C Log on as a specified user account.		
User name:		
Administrator		
Password:		
Startup type:		
Automatic		~
The user account that runs the Windows service must have - Log on as a service	the following user rights:	
	< Back Next > Finish	Cancel
23. Click Next		

_____24. In the next **Web Server Definition** panel, clear the check box for **Create a Web server** definition

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

Profile Management Tool 7.0	
eb Server Definition	
tionally create a Web server definition if you use a We ernatively, you can create a Web server definition fror rver plug-ins installation.	b server to route requests for dynamic content to the application serve n the administrative console or a script that is generated during Web
Create a Web server definition	
Web server type:	
IBM HTTP Server	
Web server operating system:	
Windows	2
Web server name:	
webserver1	
Web server host name or IP address:	
wbmserver.austin.ibm.com	
Web server port (Default 80);	
80	

- 26. In the next **Common Event Infrastructure Configuration** panel, choose a database type and provide the information based on that type:
 - ____a. Database Product: Derby Embedded
 - ____b. Common Database name : event

Alternative: (DB2) Common Event Infrastructure Configuration

- → Database Product: DB2 Universal Database
- → Common Database name : event

 \rightarrow Optionally select the check box for Delay execution of database scripts (must if using a remote database)

 \rightarrow Click Next

→ In the next DB2 Common Event Infrastructure Configuration (Part 2) panel, enter the additional database configuration information:

- → User name to authenticate with the database: db2admin
- → Password for database authentication: superSecret

\rightarrow	Confirm	password:	superSecret
---------------	---------	-----------	-------------

- → Location (directory) of JDBC driver classpath files: <WBM_HOME>\universalDriver.wbm\lib
- → Database server host name: Ex: dbserver.austin.ibm.com
- \rightarrow Server Port: 50000 (default)
- \rightarrow Click Next.

🚯 Profile Management Tool 7.0			
Common Event Infrastructure Configuration			
Common Event Infrastructure provides basic event management services to WebSphere Business Monitor components. Choose a database product and enter the information based on that product to configure your event database.			
Database product:			
Derby Embedded			
Override the destination directory for generated scripts			
Database script output directory:			
C:\IBM\WebSphere\MonServer\profiles\WBMon01\dbscripts\CEI_event			
Browse			
Common database name:			
event			
Database creation options:			
Delay execution of database scripts (must select if using a remote database).			
Override data source			
< Back Next > Finish Cancel			

- ____ 27. Click Next
- 28. In the next **WebSphere Process Server Monitor Models** panel, optionally select the check box for **Deploy WebSphere Process Server monitor models** and enter the WebSphere Process Server host name and RMI port number

Note: The **Deploy WebSphere Process Server monitor models** action requires a WebSphere Process Server V7.0 in the environment. If you have the WebSphere Process Server host name and RMI port handy, provide the information. You can also provide dummy information and update the configuration, post profile creation.

🔹 Profile Management Tool 7.0			
WebSphere Process Server Monitor Models			
Deploy the human task monitor model and the global process monitor model.			
The human task monitor model is required to view human tasks in your dashboard using the Human Tasks widget. You must provide the host name and RMI port number for the existing WebSphere Process Server.			
The global process monitor model enables you to monitor any BPEL process without monitor model generation or deployment steps. Processes are detected dynamically and tracked based on the events they emit. The collected data can be viewed in Business Space using the Instances widget, the Dimensional widget, and the KPI widget.			
Important: To deploy the human task monitor model, you must have already created the WebSphere Business Monitor database, or allow this Profile Management tool to create the WebSphere Business Monitor database on the local server.			
Deploy WebSphere Process Server monitor models			
WebSphere Process Server host name:			
WebSeberg Bracess Server BMI port pumber (Default port pumber is 2000);			
websphere Process berver RML port humber (berault port humber is 2009);			
Online information about the Human Tasks widget, see the online information center.			
For more information about the global process monitor model, see the online information center.			
Online information center link			
< Back Next > Finish Cancel			
29. Click Next			
30. In the next Business Space Configuration panel, select the check box for Configure Business			
Space			
🔹 Profile Management Tool 7.0			
Business Space Configuration			
Business Space powered by WebSphere is a browser-based graphical user interface that lets application users customize content from products in the WebSphere Business Process Management portfolio. In addition to configuring Business Space for your runtime environment, you can configure Lotus Webform Server to work with the Human Task Management widgets in Business Space.			
Configure Business Space			
For more information about Business Space and its database support, see the online information center.			
View the online information center			

< Back

Next >

Finish

Cancel

_____ 31. Click **Next**

- 32. In the **Database Configuration** panel, specify the information below:
 - ____a. Database product : Derby Embedded
 - ____b. Database name : MONITOR
 - ____ c. Schema name : MONITOR

Alternative: (DB2) Database Configuration

- → Choose a database product: DB2 Universal Database
- → Common database name : MONITOR
- → Schema name : MONITOR

→ Optionally select the check box for Delay execution of database scripts (if using a remote database)

 \rightarrow Click Next

→ In the next **Database Configuration (Part 2)** panel, specify the additional database configuration information:

- → User name to authenticate with the database: db2admin
- → Password for database authentication: **superSecret**
- → Confirm password: **superSecret**
- → Location (directory) of JDBC driver classpath files: <WBM_HOME>\universalDriver.wbm/lib
- \rightarrow JDBC driver type: 4

Database server host name: Ex: dbserver.austin.ibm.com

- → Server Port: 50000 (default)
- \rightarrow Click Next.

🕅 Profile Management Tool 7.0
Database Configuration
WebSphere Business Monitor components use a common database. Choose a database product and enter the information based on that product.
Database product:
Derby Embedded
Override the destination directory for generated scripts
Database script output directory:
C:\IBM\WebSphere\MonServer\profiles\WBMon01\dbscripts\Monitor
Browse
Common database name:
MONITOR
Schema name:
MONITOR
Delay execution of database scripts (must select if using a remote database).
< Back Next > Finish Cancel
33. Click Next
34. In the next Message Store Type Selection panel, select the radio button for Data store
Message Store Type Selection
You can store messages in a file store or data store. Choose the option that is most appropriate for your environment:
Data store A <i>data store</i> is a message store implemented as a set of database tables within a relational database accessed using a JDBC data source.
○ File store
A <i>file store</i> is a message store implemented as a set of flat files within a file system that is accessed directly using the native operating system.

2010 April, 21

< Back

Next >

Finish

Cancel

_____ 36. In the next **Profile Creation Summary** panel, verify the profile creation summary

🕼 Profile Management Tool 7.0
Profile Creation Summary
Review the information in the summary for correctness. If the information is correct, click Create to start creating a new profile. Click Back to change values on the previous panels.
WebSphere Business Monitor profile type to create: Stand-alone monitor server Location: C:\IBM\WebSphere\MonServer\profiles\WBMon01 Disk space required: 10 MB
Profile name: WBMon01 Make this profile the default True
Cell name: wbmNode01Cell Node name: wbmNode01
Create a new database: True Generated database scripts location: C:\IBM\WebSphere\MonServer\profiles\WBMon01\dbscripts\Monitor Database product: Derby Embedded Database name: MONITOR
Deploy the Sample applications: False Deploy the administrative console (recommended): True Deploy the default application: False
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
< Back Create Finish Cancel

____ 37. Click Create

38. Once the profile creation is complete, ensure the Launch the WebSphere Business Monitor first steps console check box is selected in the Profile Creation Complete panel

🚯 Profile Management Tool 7.0	_ 🗆 🗙		
Profile Creation Complete			
The Profile Management Tool created the profile successfully.			
Next, you must decide whether to federate the application server into a deployment manager cell.			
To federate the application server, use either the addNode command or the administrative console of the deployment manager. To use the administrative console, the application server must be running.			
You can start and stop the application server from the command line or the WebSphere Business Monitor first steps. The WebSphere Business Monitor first steps also has links to an installation verification test and other information and features that relate to the application server. I Launch the WebSphere Business Monitor first steps			
To start the Profile Management Tool later, use the PMT command in the <i>app_server_root</i> /bin/ProfileManagement directory or the option in the WebSphere Business Monitor first steps.			
See the information center for more information about WebSphere Business Monitor. Online information center link			
< Back Next > Finish C	ancel		

- 39. Click **Finish**. The First Steps Console is launched
- 40. Click the Installation Verification link. The installation verification test utility starts the monitor server and verifies the installation and configuration. Review the SystemOut.log to ensure the server is started without any errors

IBM WebSphere Business Monitor - First steps - WBMon01	_ 🗆 X
WebSphere Business Monitor	IBM.
First steps	
Installation verification Confirm that your server is installed and that it can start properly.	
Start the server Start the server and its applications.	
Administrative console Install and administer applications.	
Profile management tool Work with profiles.	
Business Space Start WebSphere Application Server before attempting to log in to Business Space.	
Showcase model Install the Better Lender showcase model, sample data, and a pre-built space to get started using WebSphere Business Monitor and Business Space.	
Information center Find all the information you need to install, maintain, and use WebSphere Business Monitor.	
Exit	

41. Enter the administrative username and password when the WBM IVT Security dialog pops-up



____ 42. Click or

💠 First steps output - Installation verification	_ 🗆 🗙
- Summary: Database testing is successful	^
- Mortgage Lending Model	
- Verify Mortgage Lending Model	
- Wait 120 seconds	
- MortgageLendingBAMApplication passed	
- Send events passed	
- Wait 30 seconds	
- Validate kpi: Total_Completed_Loans passed	
 Validate kpi: Average_Application_Loan_Amountx0028x0024x0029_ passed 	
 Validate kpi: Yearly_Total_of_Application_Loan_Dollars passed 	
- Uninstall MortgageLending model passed	
- Summary: MortgageLending model verification is successful	_
- Summary: Installation verification is successful	

43. Close the First Steps console

Note: If you chose DB2 as the database and delayed running the database scripts, visit **Task 1: Manually** create WebSphere Business Monitor database and tables.

Alternative: Manually create WebSphere Business Monitor stand-alone server profile

WebSphere Business Monitor stand-alone server profile can be created silently using the manageprofiles command with the help of the WebSphere Business Monitor stand-alone server profile (default) template. The manageprofiles command comes handy when creating profiles on 64-bit platforms.

Download: Profile creation scripts good for Windows and UNIX are available for download from the IBM Education Assistant. These scripts also use manageprofiles command. You can update the scripts with required options and then create profiles.

Note: For more options, navigate to <WBM_HOME>/bin and run the command:

manageprofiles.bat (.sh) -create -templatePath <WBM_HOME>/profileTemplates/wbmonitor/default -help

1. The options below are commonly used to create a WebSphere Business Monitor stand-alone profile:

Parameter	Value	
-create	N/A	
-templatePath	<wbm_home>/profileTemplates/wbmonitor/default</wbm_home>	
-profileName	WBMon01	
-profilePath	<wbm_home>/profiles/WBMon01</wbm_home>	
-nodeName	Ex: wbmNode01	
-cellName	Ex: wbmNode01Cell	
-serverName	Ex : serverl	
-hostName	Ex: wbmserver.austin.ibm.com	
-enableAdminSecurity	true	
-adminUserName	Ex : admin	
-adminPassword	Ex : superSecret	
-winserviceCheck (windows only)	false	
-wbmDBType	DERBY_EMBEDDED for a Derby Embedded database	
	DB2_Universal for a DB2 Universal database	
	DB2UDBOS390_V8_1 for a DB2 for z/OS V8 database	
	DB2UDBOS390_V9_1 for a DB2 for z/OS V9 database	
	Oracle11g for Oracle 11g database	

-wbmDBDelayConfig *	true
-wbmDBName	Ex : MONITOR
-wbmDBSchemaName	Ex : MONITOR
-wbmDBDriverType *	4
-wbmDBUserId *	Ex : db2admin
-wbmDBPassword *	Ex : superSecret
-wbmDBHostName *	Ex : dbserver.austin.ibm.com
-wbmDBServerPort *	50000 (default)
-ceiDbProduct	CEI_DB_DERBY_EMBEDDED
	CEI_DB_DB2
	CEI_DB2_ZOS
	CEI_DB_ORACLE
-wbmCeiDbName	Ex : EVENT
-ceiDbExecuteScripts *	false
-ceiDbUser *	Ex : db2admin
-ceiDbPassword *	Ex : superSecret
-ceiJDBCClassPath	<wbm_home>\universalDriver.wbm\lib</wbm_home>
-ceiDbHostName *	Ex: dbserver.austin.ibm.com
-ceiDbPort *	50000 (default)
-msDataStore	true
-configureHumanTask	true
-humanTaskWPSHostname	Ex : procsrv.austin.ibm.com
-humanTaskWPSRMIPort	2809 (default)
-configureBSpace	true
-samplesPassword	Ex : superSecret

Note: Do not use the options marked with * for DERBY_EMBEDDED and CEI_DB_DERBY_EMBEDDED

- _____ 2. Run the manageprofiles script
 - ____a. Navigate to the <WBM_HOME>/bin directory and run the manageprofiles command with the options

Ex: For DERBY_EMBEDDED as database type

manageprofiles.bat (.sh) -create -templatePath <WBM_HOME>\profileTemplates\wbmonitor\default -profileName WBMon01 -profilePath <WBM_HOME>\profiles\WBMon01 -nodeName wbmNode01 -cellName wbmNode01Cell -serverName server1 -hostname wbmserver.austin.ibm.com -enableAdminSecurity true -adminUserName admin -adminPassword superSecret -winserviceCheck false -wbmDBType DERBY_EMBEDDED wbmDBName MONITOR -wbmDBSchemaName MONITOR -ceiDbProduct CEI_DB_DERBY_EMBEDDED wbmCeiDbName EVENT -msDataStore true -configureHumanTask true -humanTaskWPSHostname procsrv.austin.ibm.com -humanTaskWPSRMIPort 2809 -configureBSpace true samplesPassword superSecret

Ex: For DB2_UNIVERSAL as database type

```
manageprofiles.bat (.sh) -create -templatePath
<WBM_HOME>\profileTemplates\wbmonitor\default profileName WBMon01 -profilePath
<WBM_HOME>\profiles\WBMon01 -nodeName wbmNode01 -cellName wbmNode01Cell -serverName
server1 -hostname wbmserver.austin.ibm.com -enableAdminSecurity true -adminUserName
admin -adminPassword superSecret -winserviceCheck false -wbmDBDelayConfig true -
wbmDBType DB2_Universal -wbmDBName MONITOR -wbmDBSchemaName MONITOR -wbmDBDriverType 4
-wbmDBUserId db2admin -wbmDBPassword superSecret -wbmDBHostName
dbserver.austin.ibm.com -wbmDBServerPort 50000 -ceiDbProduct CEI_DB_DB2 -wbmCeiDbName
EVENT -ceiDbExecuteScripts false -ceiDbUser db2admin -ceiDbPassword superSecret -
ceiDbHostName dbserver.austin.ibm.com -ceiDbPort 50000 -msDataStore true -
humanTaskWPSRMIPort 2809 -configureBSpace true -samplesPassword superSecret
```

Note: If you chose DB2 as the database and delayed running the database scripts, visit Task 1: Manually create databases and tables.

- Verify the installation
 - ____ a. Navigate to <WBM_HOME>/logs/manageprofiles and locate the profile_name_create.log file

Ex:C:\IBM\WebSphere\MonServer\logs\manageprofiles\WBMon01_create.log

- ____b. You should see a string, **INSTCONFSUCCESS** written to the last line of the file. If so the installation is successful
- ____ c. If you **INSTCONFPARTIALSUCCESS** or **INSTCONFFAILED** appear in the last line of the log file, problems encountered during the installation
- 4. Now copy the database scripts to the database host machine and run the scripts to create the WebSphere Business Monitor database and tables. Visit **Task 1** of this document for instructions
- 5. Navigate to <WBM_HOME>/bin and run the ivt.bat command with appropriate parameters
 - ivt.bat (.sh) <SERVER_NAME> <PROFILE_NAME> -username <USER_NAME> password <PASSWORD>

EX: ivt.bat server1 WBMon01 -username admin -password superSecret

6. Ensure the verification is successful. While the verification is complete, examine the SystemOut.log file. The file is located at <WBM_HOME>/profiles/WBMon01/logs/server1

Part 4: Augment WebSphere Process Server stand-alone profile

In this part of the exercise, you will augment an existing WebSphere Process Server V7.0 stand-alone server profile with the help of WebSphere Business Monitor V7.0 stand-alone server profile template.

Prerequisite 1: Before proceeding to the next step, install the WebSphere Process Server V7.0 binaries and create a WebSphere Process Server V7.0 stand-alone server profile.

Prerequisite 2: You must install WebSphere Business Monitor V7.0 binaries into the WebSphere Process Server package group using the Installation Manager. Visit **Part 2** of this document.

Note: - For manual profile augmentation, visit: Alternative: Manually augment WebSphere Process Server stand-alone profile

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

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

🚯 Profile Management Tool 7.0			
File Window Help			
😭 🔞 Profile Management Tool 🚯 Welcome			
↔ Welcome ×			
Welcome to the Profile Management Tool			
Launch Profile Management Tool			
This wizard creates run-time environments that are referred to as <i>profiles</i> . At least one profile must exist to have a functional installation.			
An initial profile typically is created during the installation process. Use this wizard to create additional profiles that each contain a set of commands, configuration files, log files, deployable applications and other information that defines a single application server environment.			
Click the Launch Profile Management Tool button or the Profile Management Tool tab above to begin managing your profiles.			
The online information centers provide more information about the Profile Management tool and setting up typical topologies.			
WebSphere Application Server - View the online information center			
WebSphere Process Server - View the online information center			
WebSphere Enterprise Service Bus - View the online information center			
WebSphere Business Monitor - View the online information center			
WebSphere Application Server Feature Pack for XML Version 1.0 - View the online information center			
WebSphere Application Server Feature Pack for SCA Version 1.0 with SDO 2.1.1 - View the online information center			
WebSphere Application Server Resture Dack for SCA Varcion 1.0 - View the online information center			

2. Select the **Profile Management Tool** button

🚯 Profile Manage	ment Tool 7.0				
File Window Help	File Window Help				
😰 🚯 Profile Management Tool 🚯 Welcome					
🚯 Profiles	() Profiles				
Profile name	Environment	Profile path	Create		
ProcSrv01	Application server	C:\IBM\WebSphere\ProcServer\profile			
			Augment		
			-		
			1		

- 3. Select the WebSphere Process Server V7.0 stand-alone server profile (Ex: **ProcSrv01**) you want to augment and then click the **Augment** button. The **Augment Selection** panel is launched
 - ____4. In the Augment Selection panel, select Stand-alone monitor server

🚯 Profile Management Tool 7.0	
Augment Selection	
Select the augment to apply to the selected profile	
Augments:	
Stand-alone monitor server Stand-alone enterprise service bus	
Description A WebSphere Business Monitor server environment runs your enterprise applications. This application server is many from its own administrative console and functions independently from all other application servers.	aged
< Back Next > Finish	Cancel

- 5. Click Next
- 6. In the next **Profile Augmentation Options** panel, select the radio button for **Advanced** profile augmentation

Alternative: Typical profile augmentation option

→ In the **Profile Augmentation** options panel, select the radio button for **Typical** profile augmentation and click Next

→ In the next Administrative Security panel, enter the username and password in their respective fields

→ In the next Profile Augmentation	Summary panel, verify the pro	ofile creation summary	and click Augment.
---	-------------------------------	------------------------	--------------------

🚯 Profile Management Tool 7.0	
Profile Augmentation Options	i g
Choose the profile augmentation process that best fits your environment. Select the Typical option to allow the P Management Tool to assign a set of default configuration values to the profile. Select the Advanced option to sp configuration values for the profile.	Profile ecify your own
O Typical profile augmentation	
Augment a WebSphere Business Monitor profile that uses default configuration settings. You can specify values for the WebSphere Business Monitor database configuration.	your own
Augment a monitor using default configuration settings, or select your own WebSphere Business Monitor You can specify your own database configuration values for the Common Event Infrastructure database WebSphere Business Monitor database. You can specify the file store locations for the messaging engine Human Tasks configuration.	components. and the and define the
< <u>B</u> ack <u>N</u> ext > Einish	Cancel
7. Click Next	
8. In the next Administrative Security panel, enter the username and password:	

- ___a. User name : admin
- ___b. Password : superSecret
- ____ c. Confirm Password : superSecret

Note: You must enter the WebSphere Process Server administrative credentials.

🍈 Profile Manageme	ent Tool 7.0	_ 🗆 🗙
Administrative S	ecurity	
The profile ProcSrv0	I has administrative security enabled. Enter the administrative user name and password for th	nis profile.
User name:		
admin		
<u>P</u> assword:		
•••••		
Con <u>f</u> irm password:		
••••		
See the information ce	nter for more information about administrative security.	
View the online informa	ation center	
	< <u>B</u> ack [<u>Next</u> > Einish	Cancel

- 9. Click Next
- 10. In the next **WebSphere Process Server Monitor Models** panel, optionally select the check box for **Deploy WebSphere Process Server monitor models** and enter the WebSphere Process Server host name and RMI port number
 - ____a. WebSphere Process Server host name: localhost
 - ____b. WebSphere Process Server RMI port number: 2809 (default)

Profile Management Tool 7.0				
WebSphere Process Server Monitor Models				
Deploy the human task monitor model and the global process mor	nitor model.			
The human task monitor model is required to view human tasks in provide the host name and RMI port number for the existing Web	your dashboard Sphere Process	l using the Human Server.	Tasks widget. You	u must
The global process monitor model enables you to monitor any BPE steps. Processes are detected dynamically and tracked based on Business Space using the Instances widget, the Dimensional widg	L process witho the events they et, and the KPI	ut monitor model g / emit. The collecte widget.	eneration or depl d data can be vie	oyment wed in
Important:To deploy the human task monitor model, you must I database, or allow this Profile Management tool to create the We	have already cro bSphere Busine	eated the WebSphe ss Monitor databas	ere Business Moni ie on the local ser	itor ver.
Deploy WebSphere Process Server monitor models				
WebSphere Process Server <u>h</u> ost name:				
localhost				
WebSphere Process Server RMI port number (Default port nu	umber is 2809):			
2809				
Online information center link For more information about the global process monitor model, see Online information center link	the online info	mation center.		
	< <u>B</u> ack	<u>N</u> ext >	Einish	Cancel
11. Click Next				
12. In the Database Configuration panel, speci	fy the param	eters:		
a. Database product : Derby Embedded				
b. Common Database name : MONITOR				
c. Schema name : MONITOR				
ternative: (DB2) Database Configuration				
Choose a database product: DB2 Universal Dat	abase			
Common database name : MONITOR				

→ Schema name : MONITOR

→ Optionally select the check box for Delay execution of database scripts (if using a remote database)

\rightarrow Click Next

- → In the next Database Configuration (Part 2) panel, enter the additional database configuration information:
- → User name: db2admin
- → Password: superSecret
- → Confirm password: **superSecret**
- → Location (directory) of JDBC driver classpath files: <WBM_HOME>\universalDriver.wbm/lib
- \rightarrow JDBC driver type: 4
- → Database server host name: Ex: dbserver.austin.ibm.com
- → Server Port: 50000 (default)
- \rightarrow Click Next.

🚯 Profile Management Tool 7.0
Database Configuration
WebSphere Business Monitor components use a common database. Choose a database product and enter the information based on that product.
Database product:
Derby Embedded
Override the destination directory for generated scripts
Database script output directory:
C:\IBM\WebSphere\ProcServer\profiles\ProcSrv01\dbscripts\Monitor
Browse
Common database <u>n</u> ame:
MONITOR
Schema name:
MONITOR
Delay execution of database scripts (must select if using a remote database).
< <u>B</u> ack <u>Next</u> Enish Cancel

____ 13. Click Next

_____14. In the next Message Store Type Selection panel, select the radio button for Data store

Profile Management Tool 7.0	
essage Store Type Selection	
u can store messages in a file store or data store. Choose the	e option that is most appropriate for your environment:
Data store	
A <i>data store</i> is a message store implemented as a set of JDBC data source.	database tables within a relational database accessed using a
C File store	
A <i>file store</i> is a message store implemented as a set of fl native operating system.	at files within a file system that is accessed directly using the
	< Back Next > Einish Cancel
_ 15. CIICK Next	
_ 16. In the next Messaging Engine Data Store	Configuration panel, select the radio button for Cre
_ 16. In the next Messaging Engine Data Store default Datasource using the Mon	Configuration panel, select the radio button for Creitor database
_ 16. In the next Messaging Engine Data Store default Datasource using the Mon	Configuration panel, select the radio button for Cre itor database
_ 16. In the next Messaging Engine Data Store default Datasource using the Mon Profile Management Tool 7.0	Configuration panel, select the radio button for Cre itor database
_ 16. In the next Messaging Engine Data Store default Datasource using the Mon Profile Management Tool 7.0 essaging Engine Data Store Configuration	Configuration panel, select the radio button for Cre itor database
 16. In the next Messaging Engine Data Store default Datasource using the Mon Profile Management Tool 7.0 essaging Engine Data Store Configuration onfigure the data store properties. Select a default datasource e an existing data store, you must supply the JNDI name for intain the tables for the data store, and the authentication ali ore. Create default datasource using the Monitor database 	Configuration panel, select the radio button for Creator database
 16. In the next Messaging Engine Data Store default Datasource using the Mon Profile Management Tool 7.0 Profile Management Data Store Configuration Onfigure the data store properties. Select a default datasource e an existing data store, you must supply the JNDI name for intain the tables for the data store, and the authentication alione. I Create default datasource using the Monitor database I Use existing data source 	Configuration panel, select the radio button for Creation database
 16. In the next Messaging Engine Data Store default Datasource using the Mon Profile Management Tool 7.0 essaging Engine Data Store Configuration an existing data store properties. Select a default datasource an existing data store, you must supply the JNDI name for intain the tables for the data store, and the authentication all ore. Create default datasource using the Monitor database Use existing data source Data source properties 	Configuration panel, select the radio button for Creator database
 16. In the next Messaging Engine Data Store default Datasource using the Mon Profile Management Tool 7.0 Pessaging Engine Data Store Configuration onfigure the data store properties. Select a default datasource e an existing data store, you must supply the JNDI name for intain the tables for the data store, and the authentication ali ore. Create default datasource using the Monitor database Use existing data source Data source properties: Data source JNDI name 	Configuration panel, select the radio button for Creator database
 16. In the next Messaging Engine Data Store default Datasource using the Mon Profile Management Tool 7.0 essaging Engine Data Store Configuration onfigure the data store properties. Select a default datasource e an existing data store, you must supply the JNDI name for intain the tables for the data store, and the authentication ali ore. © Create default datasource using the Monitor database © Use existing data source Data source properties Data source JNDI name 	Configuration panel, select the radio button for Creation database
16. In the next Messaging Engine Data Store default Datasource using the Mon Profile Management Tool 7.0 essaging Engine Data Store Configuration onfigure the data store properties. Select a default datasource an existing data store, you must supply the JNDI name for intain the tables for the data store, and the authentication ali ore. Create default datasource using the Monitor database Data source properties Data source JNDI name Schema name Monicomponent	Configuration panel, select the radio button for Creator database
 16. In the next Messaging Engine Data Store default Datasource using the Mon Profile Management Tool 7.0 Pessaging Engine Data Store Configuration onfigure the data store properties. Select a default datasource e an existing data store, you must supply the JNDI name for intain the tables for the data store, and the authentication alione. Create default datasource using the Monitor database Use existing data source Data source properties Data source JNDI name Schema name MONCM00 Authentication alias 	Configuration panel, select the radio button for Creation database
 16. In the next Messaging Engine Data Store default Datasource using the Mon Profile Management Tool 7.0 Pessaging Engine Data Store Configuration onfigure the data store properties. Select a default datasource e an existing data store, you must supply the JNDI name for intain the tables for the data store, and the authentication ali ore. Create default datasource using the Monitor database O Use existing data source Data source properties: Data source properties: Data source JNDI name Schema name MONCM00 Authentication alias (none) 	Configuration panel, select the radio button for Creation database
 16. In the next Messaging Engine Data Store default Datasource using the Mon Profile Management Tool 7.0 essaging Engine Data Store Configuration onfigure the data store properties. Select a default datasource e an existing data store, you must supply the JNDI name for intain the tables for the data store, and the authentication alione. © Create default datasource using the Monitor database © Use existing data source Data source properties Data source JNDI name Schema name MONCM00 Authentication alias (none) Create tables 	Configuration panel, select the radio button for Creation database

< <u>B</u> ack	<u>N</u> ext >	Einish	Cancel	

____ 17. Click **Next**

_____ 18. In the next **Profile Augmentation Summary** panel, verify the profile creation summary

🔹 Profile Management Tool 7.0
Profile Augmentation Summary
Review the information in the summary for correctness. If the information is correct, click Augment to start augmenting a profile. Click Back to change values on the previous panels.
WebSphere Business Monitor profile type to augment: Stand-alone monitor server Location: C:\IBM\WebSphere\ProcServer\profiles\ProcSrv01 Disk space required: 10 MB
Profile name: ProcSrv01 Make this profile the default False
Cell name: wpsNode01Cell Node name: wpsNode01
Create a new database: True Generated database scripts location: C:\IBM\WebSphere\ProcServer\profiles\ProcSrv01\dbscripts\Monitor Database product: Derby Embedded Database name: MONITOR
Enable administrative security (recommended): True
Administrative console port: 9060 Administrative console secure port: 9043 HTTP transport port: 9080
Bootstrap port: 2809
SOAP connector port: 8880
Run application server as a service: False
Create a Web server definition: False
< <u>B</u> ack <u>Augment</u> <u>Finish</u> Cancel

_____ 19. Click Augment

20. Once the installation is complete, ensure the Launch the WebSphere Business Monitor first steps console check box is selected in the Profile Creation Complete panel

🏟 Profile Management Tool 7.0		_ 🗆 🗵
Profile Augmentation Complete		i g
The Profile Management Tool augmented the profile succ	cessfully.	
You must decide whether to federate the application server into a	deployment manager cell.	
To federate the application server, use either the addNode comm To use the administrative console, the application server must be r	and or the administrative console of the deployme unning.	ent manager.
You can start and stop the application server from the command lin WebSphere Business Monitor first steps also has links to an installa relate to the application server.	ne or the WebSphere Business Monitor first steps. Ition verification test and other information and fe	The atures that
Launch the WebSphere Business Monitor first steps		
To start the Profile Management Tool later, use the PMT command option in the WebSphere Business Monitor first steps.	d in the <i>app_server_root(</i> bin/ProfileManagement o	lirectory or the
See the information center for more information about WebSphere	Business Monitor.	
Online information center link		
	< <u>B</u> ack <u>N</u> ext > Einish	Cancel

_____ 21. Click **Finish**. The First Steps Console is launched as shown below:

IBM WebSphere Business Monitor - First steps - ProcSrv01	
WebSphere Business Monitor	IBM.
First steps	
Installation verification Confirm that your server is installed and that it can start properly.	
Start the server Start the server and its applications.	
Administrative console Install and administer applications.	
Profile management tool Work with profiles.	
Business Space Start WebSphere Application Server before attempting to log in to Business Space.	
Showcase model Install the Better Lender showcase model, sample data, and a pre-built space to get started using WebSphere Business Monitor and Business Space.	
Information center Find all the information you need to install, maintain, and use WebSphere Business Monitor.	
Exit	

- 22. Click the **Installation Verification** link. The installation verification test utility starts the stand-alone server and verifies the monitor component installation and configuration. Review the SystemOut.log to ensure the server is started without any errors
- 23. Enter the WebSphere Process Server administrative username and password when the WBM IVT Security dialog pops-up

🕌 WBM IVT Security	
Enter administrativ password for Web	/e security user name and Sphere Application Server.
User ID:	admin
Password:	••••
	OK

24. Click or

💠 First steps output – Installation verification	_ 🗆 🗡
- Summary: Database testing is successful	
- Mortgage Lending Model	
- Verify Mortgage Lending Model	
- Wait 120 seconds	
- MortgageLendingBAMApplication passed	
- Send events passed	
- Wait 30 seconds	
- Validate kpi: Total_Completed_Loans passed	
 Validate kpi: Average_Application_Loan_Amountx0028x0024x0029_ passed 	
 Validate kpi: Yearly_Total_of_Application_Loan_Dollars passed 	
- Uninstall MortgageLending model passed	
- Summary: MortgageLending model verification is successful	_
- Summary: Installation verification is successful	
	-

_____ 25. Close the First Steps console

Alternative: Manually augment WebSphere Process Server stand-alone profile

In this part of the exercise, you will augment an existing WebSphere Process Server stand-alone server profile with the help of WebSphere Business Monitor stand-alone server profile template using the **manageprofiles** command.

Download: Profile augmentation scripts good for Windows and UNIX are available for download from the IBM Education Assistant. These scripts also use manageprofiles command. You can update the scripts with required options and then create profiles.

Note: For more options, navigate to <WBM_WPS_HOME>/bin and run the command:

manageprofiles.bat -augment -templatePath <WBM_WPS_HOME>/profileTemplates/wbmonitor/default -help

1. The options below are commonly used to augment a WebSphere Process Server stand-alone server profile with WebSphere Business Monitor stand-alone profile template:

Parameter	Value		
-augment	N/A		
-templatePath	<pre><wbm_wps_home>/profileTemplates/wbmonitor/default</wbm_wps_home></pre>		
-profileName	ProcSrv01		
-profilePath	<wbm_wps_home>/profiles/ProcSrv01</wbm_wps_home>		
-adminUserName	Ex : admin		
-adminPassword	Ex : superSecret		
-wbmDBType	DERBY_EMBEDDED for a Derby Embedded database		
	DB2_Universal for a DB2 Universal database		
	DB2UDBOS390_V8_1 for a DB2 for z/OS V8 database		
	DB2UDBOS390_V9_1 for a DB2 for z/OS V9 database		
	Oracle11g for Oracle 11g database		
-wbmDBDelayConfig *	true		
-wbmDBName	Ex : MONITOR		
-wbmDBSchemaName	Ex : MONITOR		
-wbmDBDriverType *	4		
-wbmDBUserId *	Ex : db2admin		
-wbmDBPassword *	Ex : superSecret		
-wbmDBHostName *	Ex : dbserver.austin.ibm.com		

-wbmDBServerPort *	50000 (default)
-msDataStore	true
-configureHumanTask	true
-humanTaskWPSHostname	Ex : wps.austin.ibm.com
-humanTaskWPSRMIPort	2809 (default)

Note: Do not use the parameters marked with * for DERBY_EMBEDDED

- _____2. Run the manageprofiles script
 - ____a. Navigate to the <wbm_wps_HOME>/bin directory and run the manageprofiles script along with the options

Ex: For DERBY_EMBEDDED as a database type

manageprofiles.bat -augment -templatePath
<WBM_WPS_HOME>\profileTemplates\wbmonitor\default -profileName WBMon01 -profilePath
<WBM_WPS_HOME>\profiles\WBMon01 -adminUserName admin -adminPassword superSecret wbmDBType DERBY_EMBEDDED -wbmDBName MONITOR -wbmDBSchemaName MONITOR -msDataStore true
-configureHumanTask true -humanTaskWPSHostname procsrv.austin.ibm.com humanTaskWPSRMIPort 2809

Ex: For DB2_UNIVERSAL as a database type

manageprofiles.bat -augment -templatePath <WBM_WPS_HOME>\profileTemplates\wbmonitor\default -profileName WBMon01 -profilePath <WBM_WPS_HOME>\profiles\WBMon01 -adminUserName admin -adminPassword superSecret wbmDBDelayConfig true -wbmDBType DB2_Universal -wbmDBName MONITOR -wbmDBSchemaName MONITOR -wbmDBDriverType 4 -wbmDBUserId db2admin -wbmDBPassword superSecret wbmDBHostName dbserver.austin.ibm.com -wbmDBServerPort 50000 -msDataStore true configureHumanTask true -humanTaskWPSHostname procsrv.austin.ibm.com humanTaskWPSRMIPort 2809

Note: If you chose DB2 as the database and delayed running the database scripts, visit **Task 1: Manually create WebSphere Business Monitor databases and tables** to create WebSphere Business Monitor database and tables.

- _____ 3. Verify the installation
 - ____a. Navigate to <WBM_WPS_HOME>/logs/manageprofiles and locate the <profile_name>_augment.log file

Ex: C:\IBM\WebSphere\ProcServer\logs\manageprofiles\ProcSrv01_augment.log

- ____ b. You should see a string, INSTCONFSUCCESS written to the last line of the file. If so the installation is successful
- ____ c. If you **INSTCONFPARTIALSUCCESS** or **INSTCONFFAILED** appear in the last line of the log file, problems encountered during the installation
- 4. Now copy the database scripts to the database host machine and run the scripts to create the WebSphere Business Monitor database and tables. Visit **Task 1: Manually create WebSphere Business Monitor databases and tables** of this document for instructions

- _____ 5. Run the installation verification test
 - ____a. Navigate to <wbm_wps_HOME>/bin and run the ivt.bat command with appropriate parameters
 - ivt.bat <SERVER_NAME> <PROFILE_NAME> -username <USER_NAME> password <PASSWORD>
 - EX: ivt.bat server1 ProcSrv01 -username admin -password superSecret
- 6. Ensure the verification is successful. While the verification is complete, examine the **SystemOut.log** file. The file is located at <wbm_wps_HOME>/profiles/ProcSrv01/logs/server1

Task 1: Manually create WebSphere Business Monitor databases and tables

In this part of the exercise, you will create the WebSphere Business Monitor database, Event database and tables. You will also create Business Space tables against the Monitor database.

Pre-requisites:-

- Install and configure the WebSphere Business Monitor supported database product on a designated host machine. In this exercise, a supported DB2 version is used and the instructions are based on the DB2 product. Ensure the DB2 server is running at this time
- Copy the WebSphere Business Monitor database, Common Event Infrastructure and Business Space database scripts to a temporary location of your database product host machine. The database scripts are generated to the location mentioned below:

C:\IBN	1\Web	5phere\MonServer\profiles\WBMon06\d	bscripts 📃 🗖 🗙
File Ed	lit Vie	w Favorites Tools Help	n
🔇 Back	- 🕤	- 🏂 🔎 Search 🌔 Folders 🛛 🕞 🎯	× 9 🔤 -
Address	C:\I	BM\WebSphere\MonServer\profiles\WBMon01\a	dbscripts 💌 ラ Go
🛅 Busines	ssSpace		
🛅 CEI_EV	/ENT6		
🚞 Monitor	r		

<WBM_PROFILE_HOME>\dbscripts\

EX: C:\IBM\WebSphere\MonServer\profiles\WBMon01\dbscripts*

Complete the instructions below to create the Monitor common database:

- Open the DB2 command window from Start → Programs → IBM DB2 → Command Line Tools → Command Window and change the directory to the temporary directory where the scripts are copied, Ex: C:\temp\dbscripts
- _____2. Run these scripts with the recommended usage:
 - db2 -tf createDatabase.sql
 - **db2 -tf createTables.sql** (Note: Connect to the MONITOR database before running this script)

____a. These scripts create the Monitor database, that is MONITOR and create Monitor database tables

- 3. Run this script with the recommended usage to create the EVENT database:
 - cr_event_db2.bat (.sh) server <DB2_ADMIN_USER>
 - Ex: cr_event_db2.bat (.sh) server db2admin
 - ____a. This script creates the Common Event Infrastructure (CEI) database, that is EVENT

- ____b. Press <ENTER>. This action runs all the necessary SQL scripts and commands. Ensure that there is no failure
- ____4. Run this script with the recommended usage to create the Business Space tables against the WPRCSDB database:
 - configBusinessSpaceDB.bat (.sh) createDB //creates a new database
 - configBusinessSpaceDB.bat (.sh)//uses an existing WPRCSDB database

Ex configBusinessSpaceDB.bat (.sh)

- ____ a. This script creates the Business Space database tables against the WPRCSDB database and prompts for the DB2 administrator user name and password. Enter the DB2 administrator user name and password when prompted
- ____b. Press <ENTER>. This action runs all the necessary SQL scripts and commands. Ensure that there is no failure
- ____ 5. Close the DB2 command window