

Installing WebSphere Business Monitor V6.1

Advanced installation

Scenario 2 - Three machine topology

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| What this exercise is about | 2 |
| Lab requirements | 2 |
| What you should be able to do | 2 |
| Exercise instructions | 3 |
| Introduction | 4 |
| Part 1: Preparing for the Monitor server installation(Machine 1) | 5 |
| Part 2: Installing Monitor server and Web-based dashboards including Alphablox views (Machine 1) | 7 |
| Part 3: Preparing for Portlet-based dashboards installation (Machine 2) | 20 |
| Part 4: Installing Portlet-based dashboards including Alphablox views (Machine 2) | 21 |
| Part 5: Create MONITOR database (Machine 3)..... | 32 |
| Manually create the MONITOR database..... | 40 |
| What you did in this exercise | 44 |
| Task 1: Install WebSphere Portal Server V6.0 and upgrade to V6.0.1.1 | 45 |
| 1. Updating WebSphere Application Server V6.0.2.9 base to V6.0.2.17 | 56 |
| 2. Updating WebSphere Portal Server V6.0 with fix pack 6.0.1.1 | 61 |
| Task 2: Deploy human tasks Monitor model and configure connections for Web-based dashboards..... | 66 |
| Task 3: Human Tasks Configuration for portlet-based dashboards | 68 |
| Appendix 1: Uninstalling WebSphere Business Monitor and its prerequisites | 70 |
| Appendix 2: Troubleshooting | 73 |

What this exercise is about

The objective of this lab is to provide instructions for installing WebSphere Business Monitor V6.1 in a three machine scenario in a stand-alone environment using the '**Advanced**' installation type.

Scenario 2: Three machine scenario in a 'Stand-alone' monitor environment

- **Machine 1:-** WebSphere Application Server V6.1 Stand-alone profile, Monitor Server and Web-based Dashboards including Alphablox views
- **Machine 2:-** WebSphere Portal Server V6.0.1.1 and Portlet-based Dashboards including Alphablox views
- **Machine 3:-** DB2 environment with MONITOR database

Lab requirements

List of system and software required for the student to complete the lab:

- WebSphere Business Monitor V6.1
- WebSphere Application Server V6.1.0.13
- WebSphere Portal Server V6.0.1.1
 - WebSphere Portal Server V6.0
 - WebSphere Application Server V6.0.2 Fix Pack 17
 - WebSphere Application Server V6.0.2 JDK Fix Pack 21
 - WebSphere Portal Server cumulative fix pack 6011
- DB2 UDB ESE V8.2.6 fix pack 13 or V9.1
- Alphablox V9.5
- Information Center

What you should be able to do

At the end of this lab you should be able to do the following based on the options you choose:

- Install WebSphere Application Server V6.1.0.13 in a stand-alone environment (Machine 1)
- Install WebSphere Portal Server V6.0.1.1 for Portlet-based Dashboards (Machine 2)
- Create MONITOR database (Machine 3) remote to Monitor server and portlet-based dashboards
- Information Center

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- Install WebSphere Business Monitor Server with Web-based dashboards including Alphablox views on one machine and Portlet-based dashboards including Alphablox views on the second

Exercise instructions

Some instructions in this lab may be Windows® operating-system specific. If you plan on running the lab 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 lab instructions using symbolic references, as follows:

| Reference variable | Windows location | Description |
|--|--------------------------------------|-------------|
| Monitor stand-alone environment (Machine 1) | | |
| <WAS61_HOME> | C:\IBMWebSphere\MonServer | |
| <WBM_PROFILE_HOME> | <WAS61_HOME>\profiles\WBMon01 | |
| <ALPHABLOX_HOME> | <WBM_PROFILE_HOME>\Alphablox_server1 | |
| <INFO_CENTER> | <WAS61_HOME>\infocenter.wbm | |
| Portal dashboard (Machine 2) | | |
| <WAS602_HOME> | C:\IBMWebSphere\AppServer | |
| <WP_PROFILE_HOME> | C:\IBMWebSphere\profiles\wp_profile | |
| <PORTAL_HOME> | C:\IBMWebSphere\PortalServer | |
| <ALPHABLOX_HOME> | <WP_PROFILE_HOME>\Alphablox | |
| <INFO_CENTER> | <PORTAL_HOME>\infocenter.wbm | |
| MONITOR database environment (Machine 3) | | |
| <DB2_HOME> | C:\IBM\DB2\SQLLIB | |
| <WBM_DBSCRIPTS_LOCATION> | C:\dbscripts.wbm | |

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.

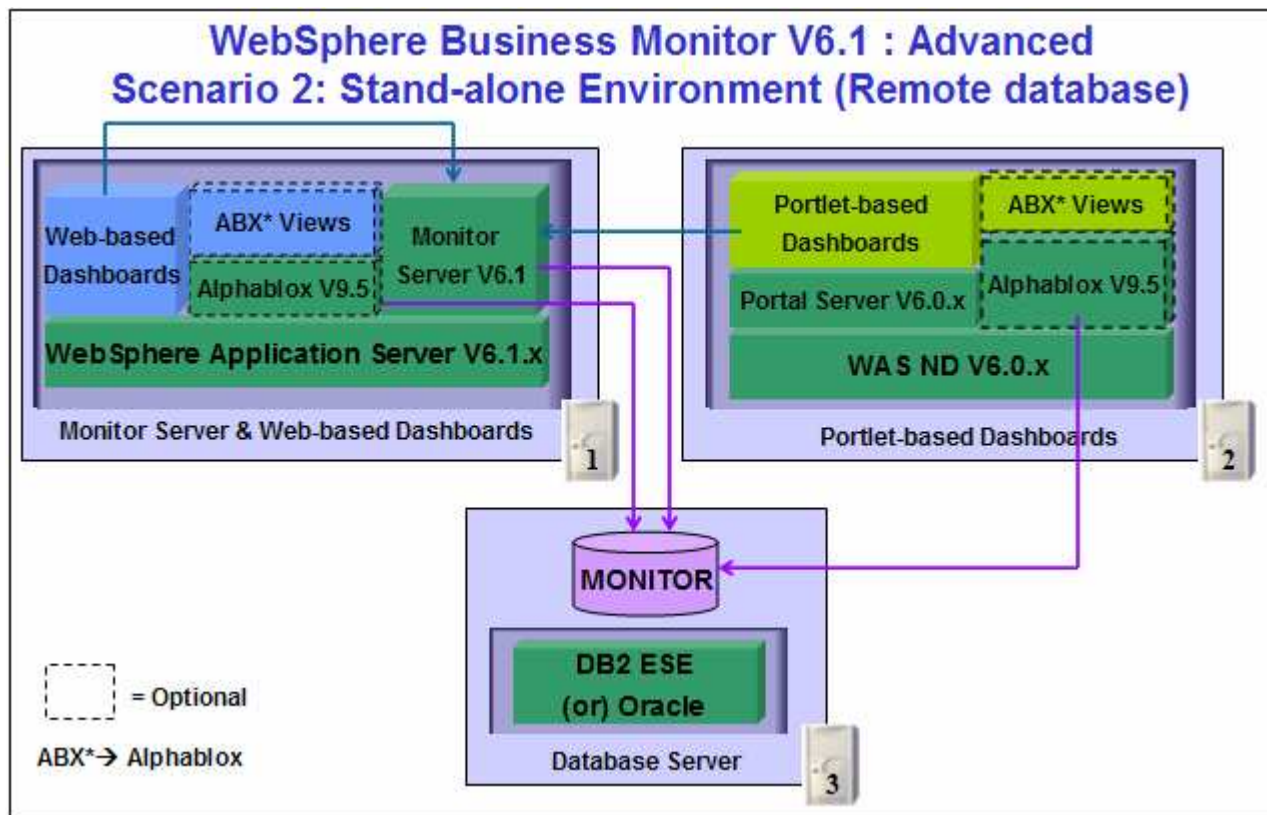
Introduction

WebSphere Business Monitor V6.1 advanced installation allows you to customize the installation of the Monitor components on one or multiple machines and it can be used for small to large production systems.

WebSphere Application Server V6.1 is the only mandatory prerequisite for WebSphere Business Monitor V6.1 installation. In an advanced installation type, the InstallShield wizard installs the WebSphere Application Server V6.1 and silently uses the customized profile management tool to create and augment the WebSphere Business Monitor profiles. The advanced installation type supports the standard profile management for network deployment flexibility.

To install portlet-based dashboards, WebSphere Portal Server V6.0.1.1 must be installed as a prerequisite. The installation wizard for advanced installation type does not let you select the option to install portlet-based dashboards unless it detects an existing Portal Server installation.

The following diagram depicts how the 'Advanced' installation type takes advantage of installing Monitor Server, Web-based dashboards including Alphablox views in a stand-alone environment on machine one, portlet-based dashboards including Alphablox views on the second and create a remote MONITOR database on the third. In this scenario, the InstallShield wizard uses the Type 4 database driver to configure resources and make connections to the MONITOR database. You can either use the InstallShield wizard to create the MONITOR database or manually run the database script.



Part 1: Preparing for the Monitor server installation(Machine 1)

In this part of the lab, the pre-requisite software is obtained and extracted in such a way that an on-disk WebSphere Business Monitor V6.1 installation image is created.

Obtain the pre-requisite software and extract in such a way to create the correct on-disk structure for the Launchpad to run.

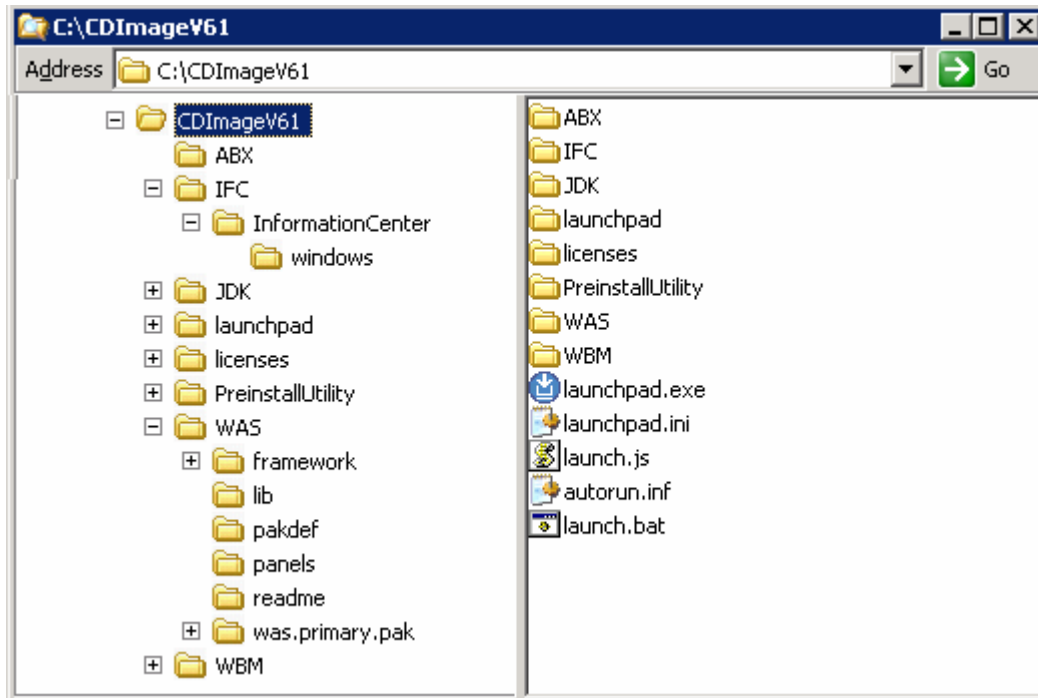
___ 1. The following are the installation archives needed to install the WebSphere Business Monitor V6.1

| Product name | File name |
|---|--------------------|
| WebSphere Business Monitor V6.1 Base Components for Windows 2003 (Monitor V61 Setup CD) | C186LEN.zip |
| WebSphere Application Server Network Deployment V6.1.0.13 for Windows | C187CML.zip |
| Alphablox V9.5 for Windows, AIX | C187GML.tar.gz |
| Information Center for Windows | IBM_Help_Win32.zip |

___ 2. Download all the installation archives to a directory for example : C:\MonitorDriversV61\

- ___ a. Extract all of the archives into a directory named, for example, C:\CDImageV61\ to create an on-disk installation image and confirm that the directory structure was extracted correctly. It should appear similar to the picture shown below:

Note: Do not extract the **IBM_Help_Win32.zip** file. The Monitor installer expects a .zip file at <Monitor_Install_Image_Directory>\IFC\InformationCenter\windows location.



Note: Prerequisite image location and folder name:

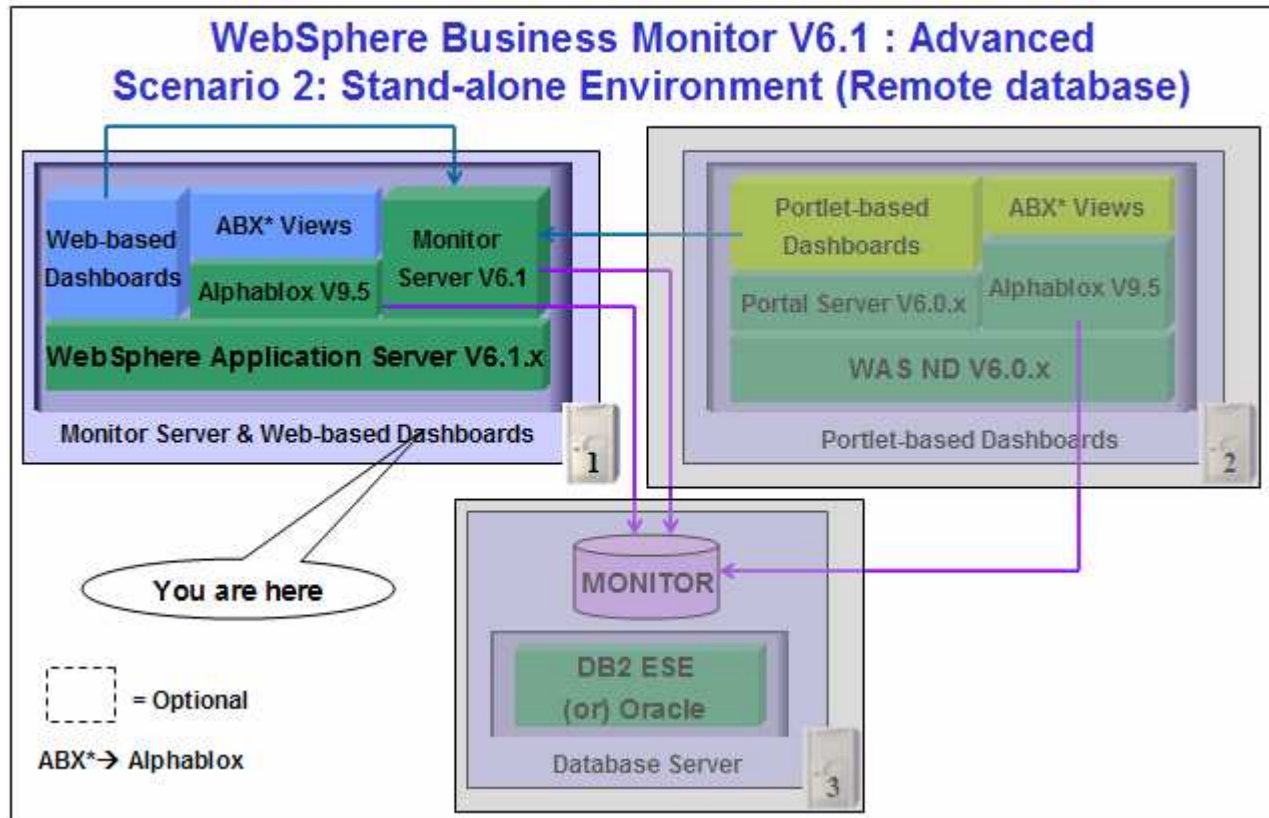
Executables should be placed directly under the directories specified above, so that '**install.exe**' or '**install.sh**' can be silently launched. Adding 'subdirectories' will prevent successful completion.

Do not extract the IBM_Help_Win32.zip file.

InfoCenter - <Monitor_Install_Image_Directory>\IFC\InformationCenter\windows\IBM_Help_Win32.zip
WebSphere Application Server V6.1 - <Monitor_Install_Image_Directory>\WAS\
Alphablox V9.5 - <Monitor_Install_Image_Directory>\ABX\install.exe.

Part 2: Installing Monitor server and Web-based dashboards including Alphablox views (Machine 1)

In this part of the lab, you will choose the option to install the Monitor server and Web-based dashboards including Alphablox views in a stand-alone environment using the InstallShield wizard on machine one. In this process you are given the option to either create a local database or use an existing database based on the supported database environment you prefer. You can also choose between Type 2 or Type 4 database drivers. In this lab you will use DB2 as the database environment and Type 4 driver to configure resources for the MONITOR database.



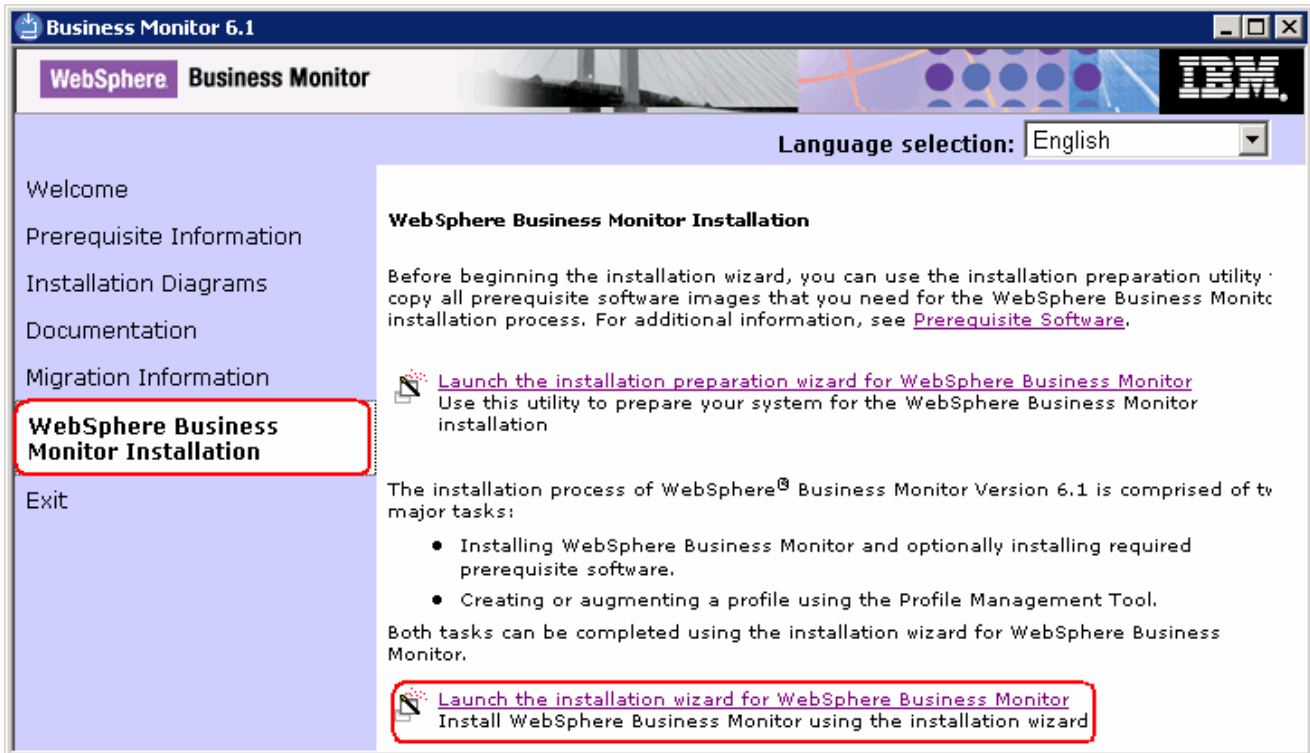
In this part of the lab on machine one, the InstallShield wizard installs the WebSphere Application Server V6.1.0.13, silently using the customized Profile Management Tool to create and augment the WebSphere Business Monitor (WBM) 'Stand-alone' profile and it installs Monitor Server and its components.

In this scenario the MONITOR database is remote to the monitor server machine. You will choose the 'Use existing database' option to create the required resources and configure connections to the existing MONITOR database. It is not mandatory that the MONITOR database exist at this time. The InstallShield wizard also generates the required database scripts for creating the MONITOR database and you must manually run the scripts to create the database.

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Follow the instructions below to complete the WebSphere Business Monitor V6.1 Advanced installation:

1. From the directory where all the pre-requisites and the Monitor driver are extracted (Example:- C:\CDImageV61\), double click on the **launchpad.exe** to run the Common Launchpad program



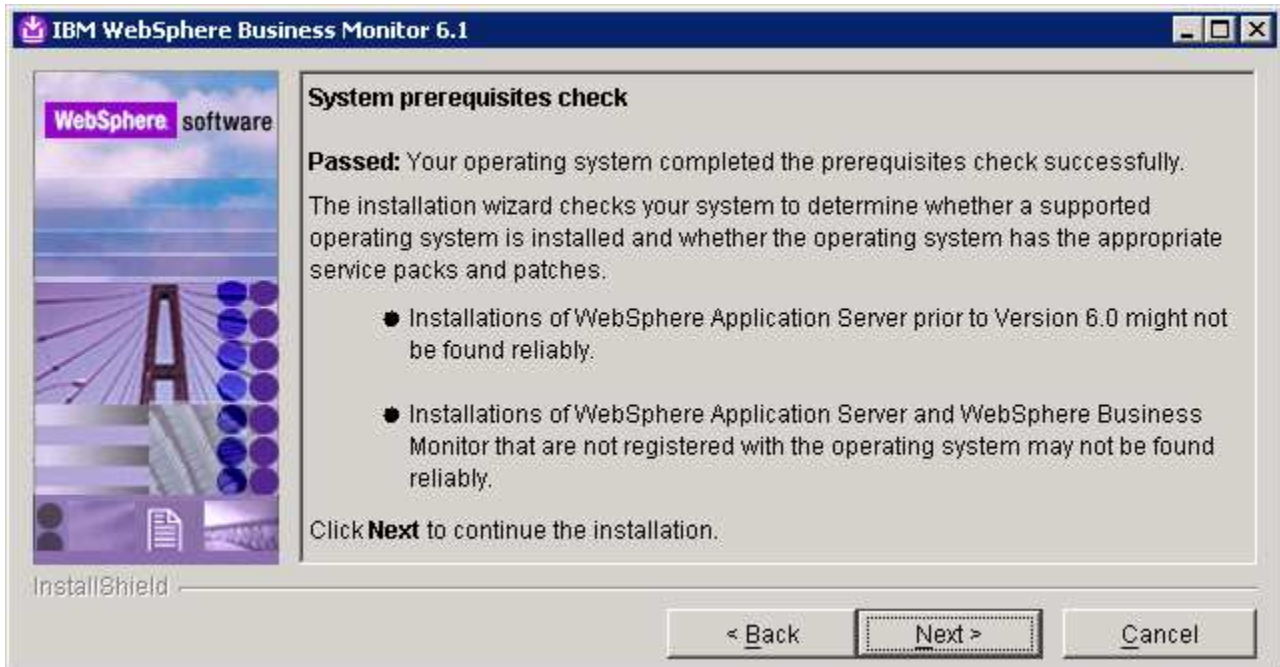
2. From the welcome screen, click on the **WebSphere Business Monitor Installation** link in the left frame and then click the '**Launch the installation wizard for WebSphere Business Monitor**'. This launches the WebSphere Business Monitor V6.1 InstallShield wizard



3. Click **Next** on the welcome panel
4. In the following panel, read the license agreement. If you agree to the terms, select the radio button for '**I accept the both the IBM and the non-IBM terms**'

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- ___ 5. Click **Next**. The monitor installation program does an operating system prerequisite check and warns if the product installation is not supported.
- ___ 6. In the following panel, read the “**System prerequisite check**” information and act accordingly



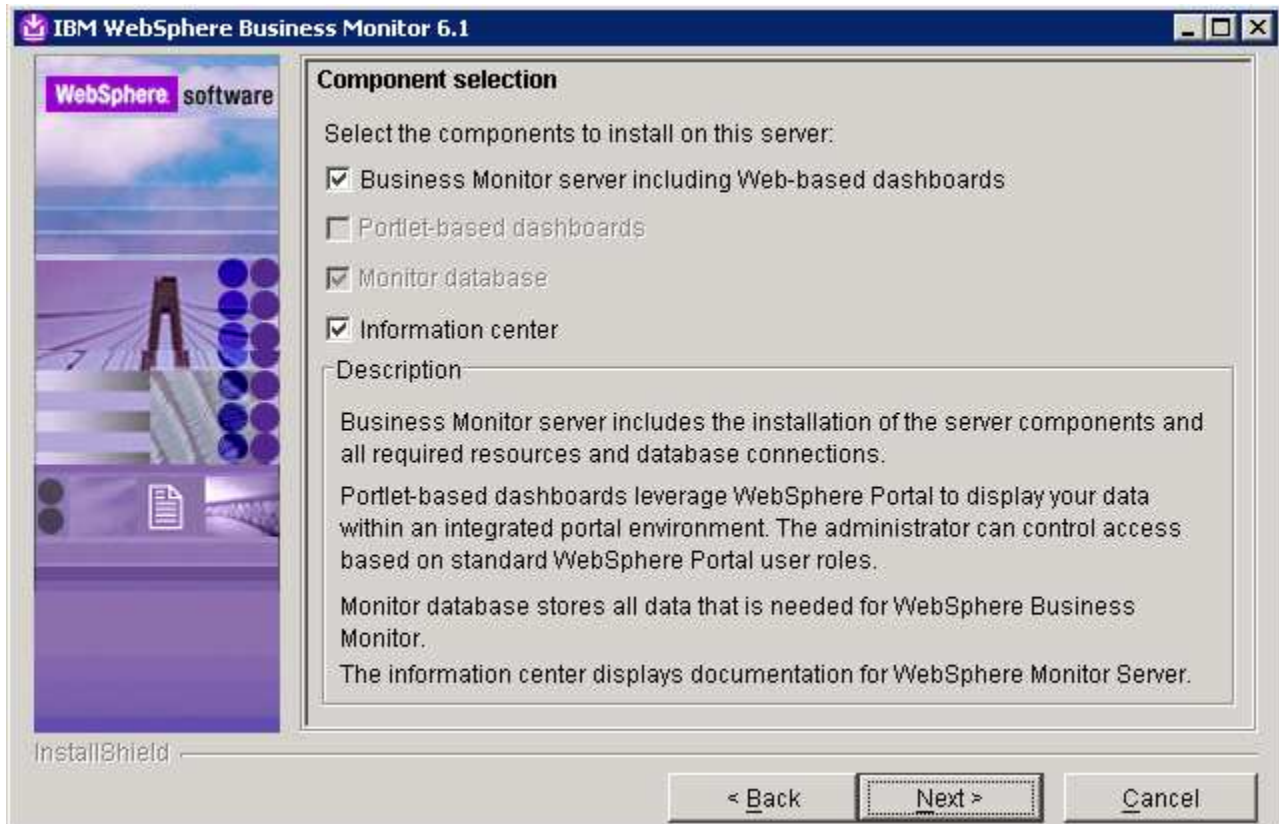
- ___ 7. Click **Next** to continue the installation
- ___ 8. In the following panel, select **Advanced Installation** as the **Installation Type**



- ___ 9. Click **Next**

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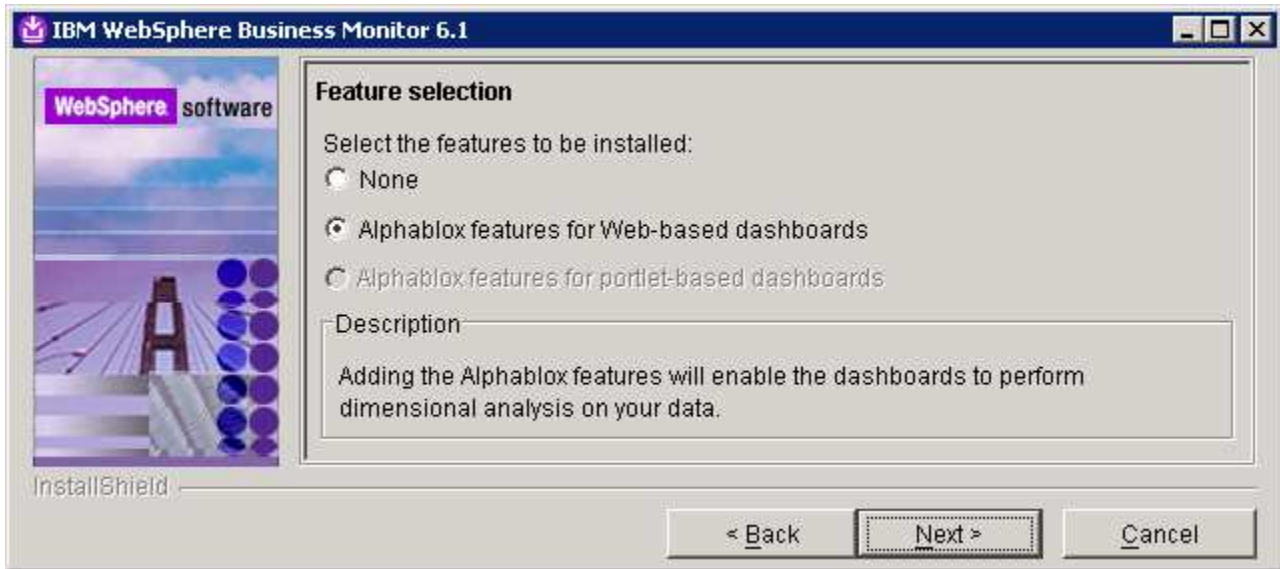
10. In the following 'Component selection' panel, ensure the check box for 'Business Monitor server including Web-based Dashboard' is selected. The check box for 'Monitor database' is selected by default but not editable, indicating that the monitor database creation is mandatory when the option to install the monitor server including Web-based dashboards is selected. Optionally select the check box for **Information Center** to install the information center



Note: The component selection for Portlet-based dashboards is enabled only if the Portal Server is readily available on this machine and is detected by the InstallShield wizard.

11. Click **Next**
12. In the following 'Feature selection' panel, optionally select the radio button for '**Alphablox features for Web-based Dashboards**'. Select **None** if you do not want to install the Alphablox features

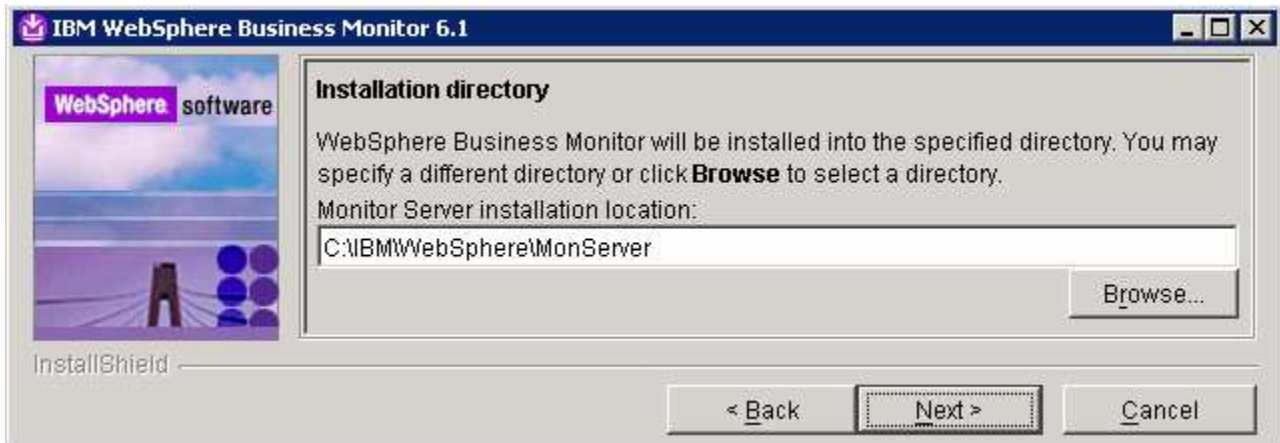
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___ 13. Click **Next**

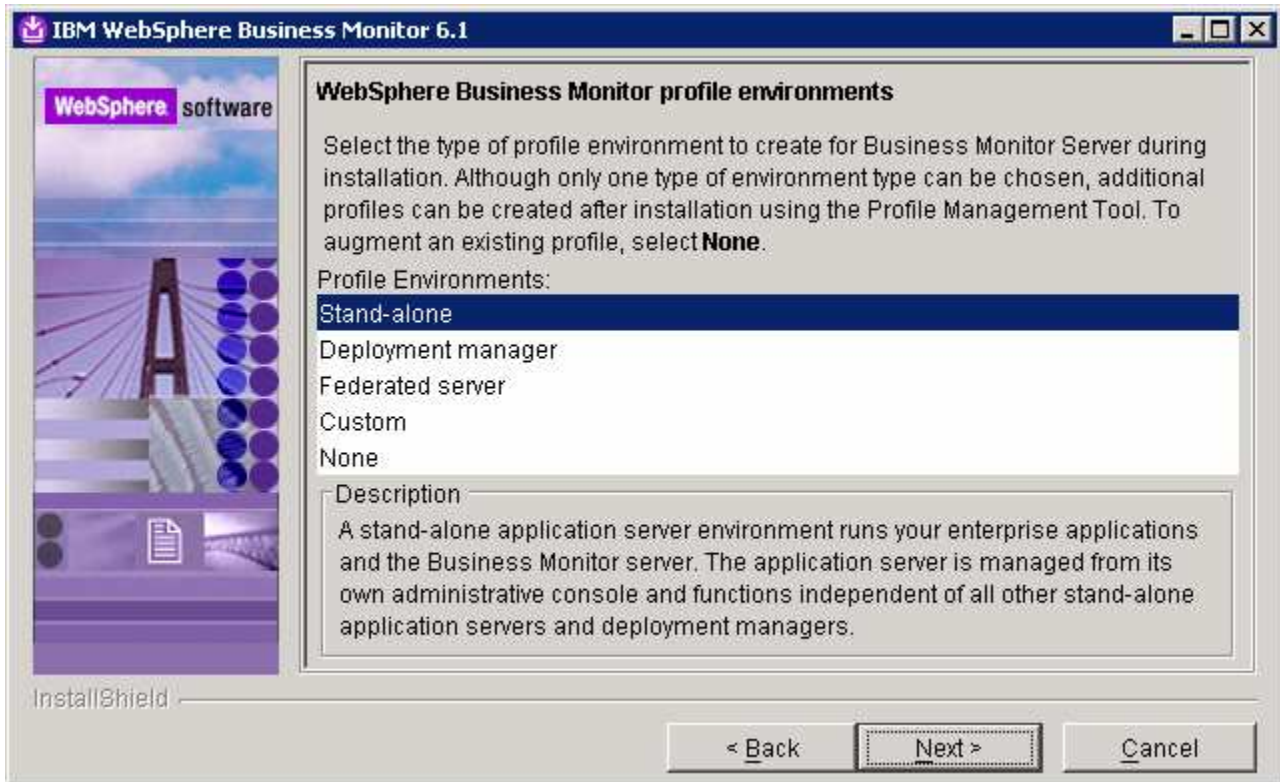
___ 14. In the following panel, click the **Browse** button to specify a different directory for '**Monitor Server installation location**'

___ a. Monitor Server installation location : **C:\IBM\WebSphere\MonServer**



___ 15. Click **Next**

___ 16. In the following '**WebSphere Business Monitor profile Environments**' panel, select **Stand-alone** for the '**Profile Environments**'

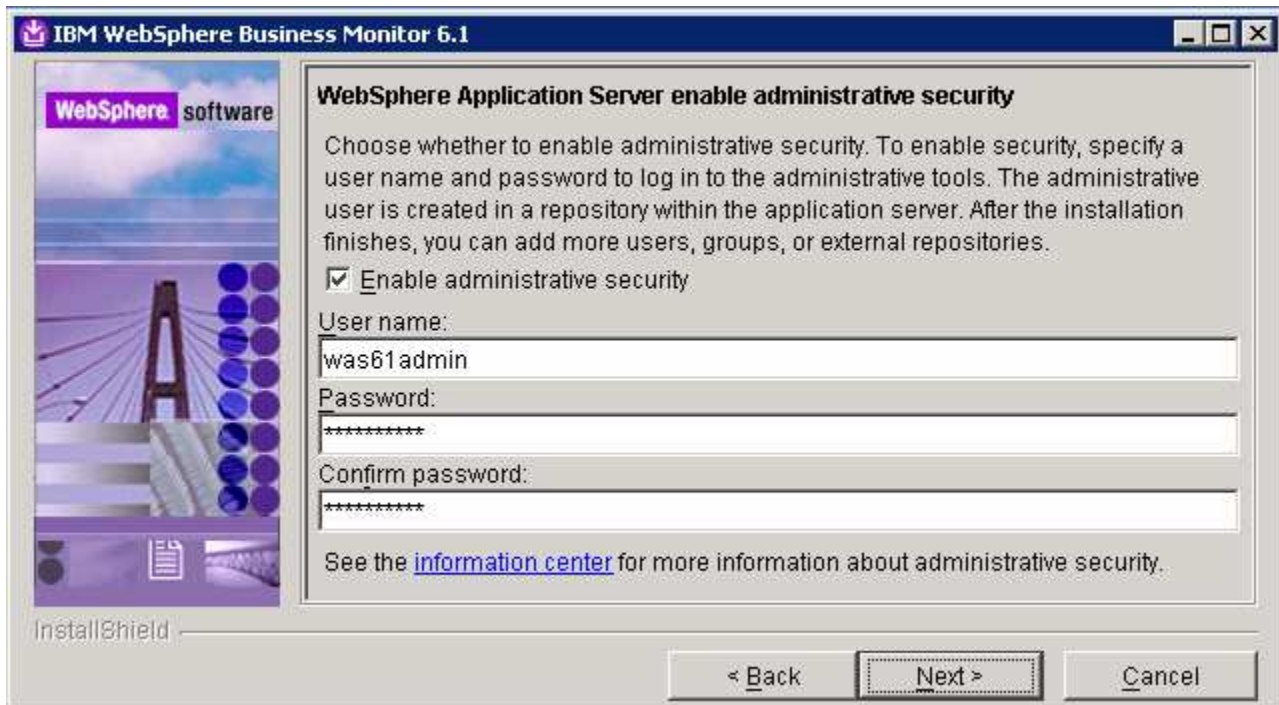


___ 17. Click **Next**

___ 18. In the following panel, you are given an option to enable the default WebSphere Application Server administrative security. Follow the instructions below to enable the security:

- ___ a. Select the check box for '**Enable administrative security**'
- ___ b. User name : **was61admin**
- ___ c. Password : **was61admin**
- ___ d. Confirm Password : **was61admin**

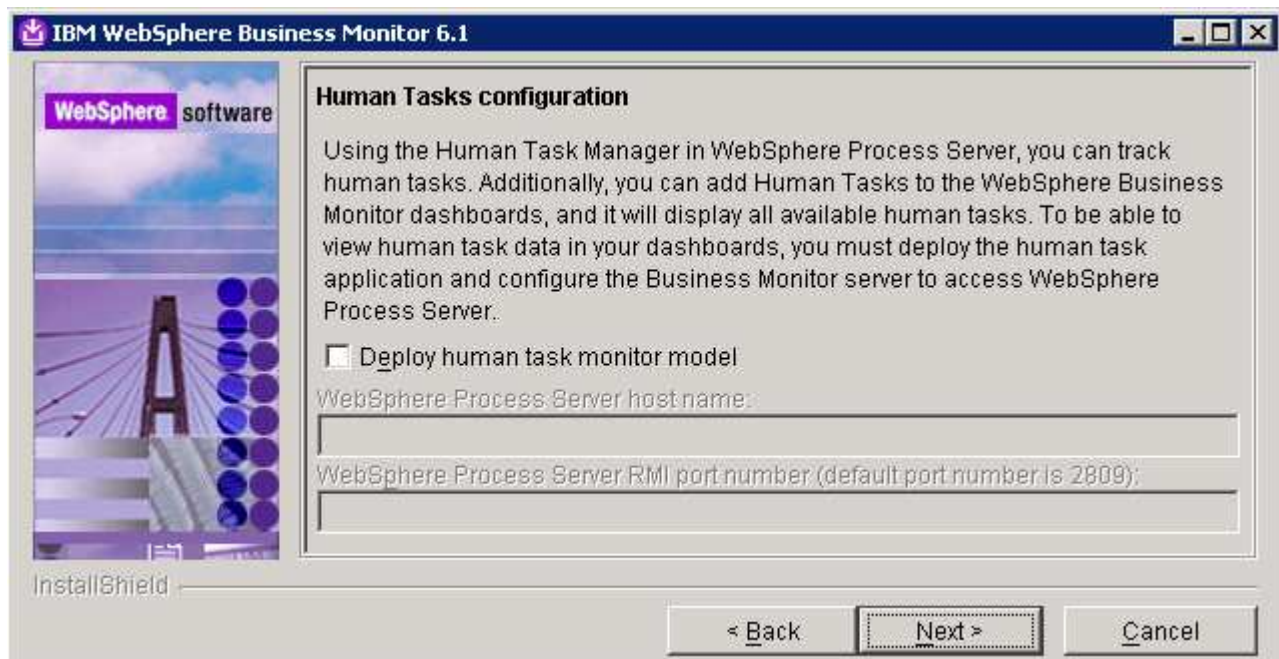
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___ 19. Click **Next**

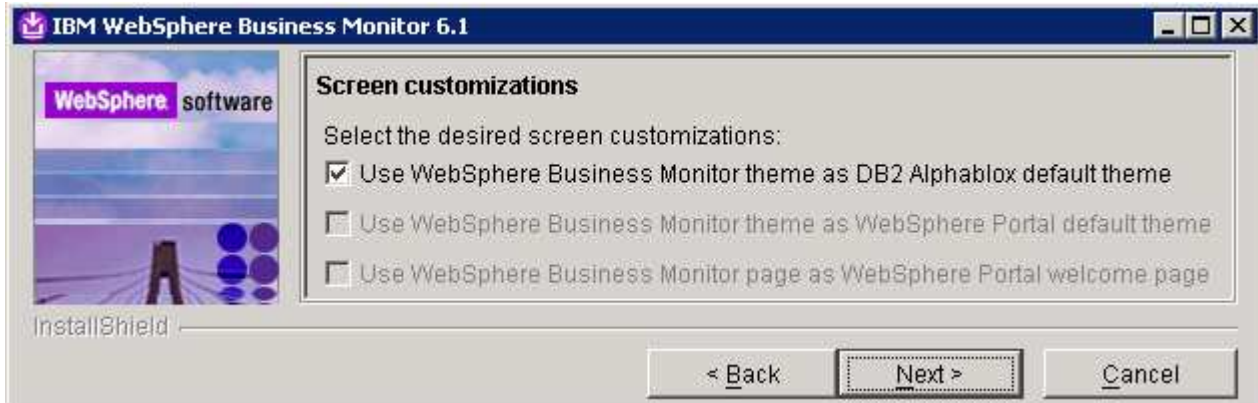
___ 20. In the following **Human Tasks Configuration** panel, accept the default

Note: The Human Task Configuration requires a WebSphere Process Server V6.1 in the environment. The InstallShield wizard uses the information provided in this panel to test the connection and validate that WebSphere Process Server running properly. WebSphere Process Server is out of scope to this document. However the instructions are provided at the end of the document. Visit 'Task 2:- Deploy Human Task Monitor Model and Configure connection for Web-based dashboards'



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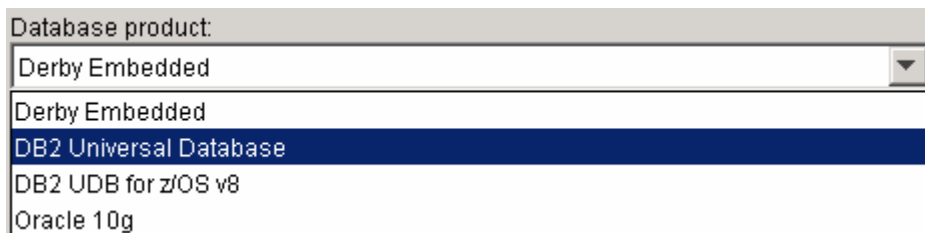
- ___ 21. Click **Next**
- ___ 22. In the following '**Screen customization**' panel, optionally select the check box next to '**Use WebSphere Business Monitor theme as DB2 Alphablox default theme**'



- ___ 23. Click **Next**
- ___ 24. In the following '**Database configuration**' panel, enter the following:
- ___ a. Database Product : **DB2 Universal Database** (select from the drop down list)
 - ___ b. Database creation method : Select the radio button for '**Use existing database**'
 - ___ c. Database name : **MONITOR**
 - ___ d. Schema name : **MONITOR**

Note: -

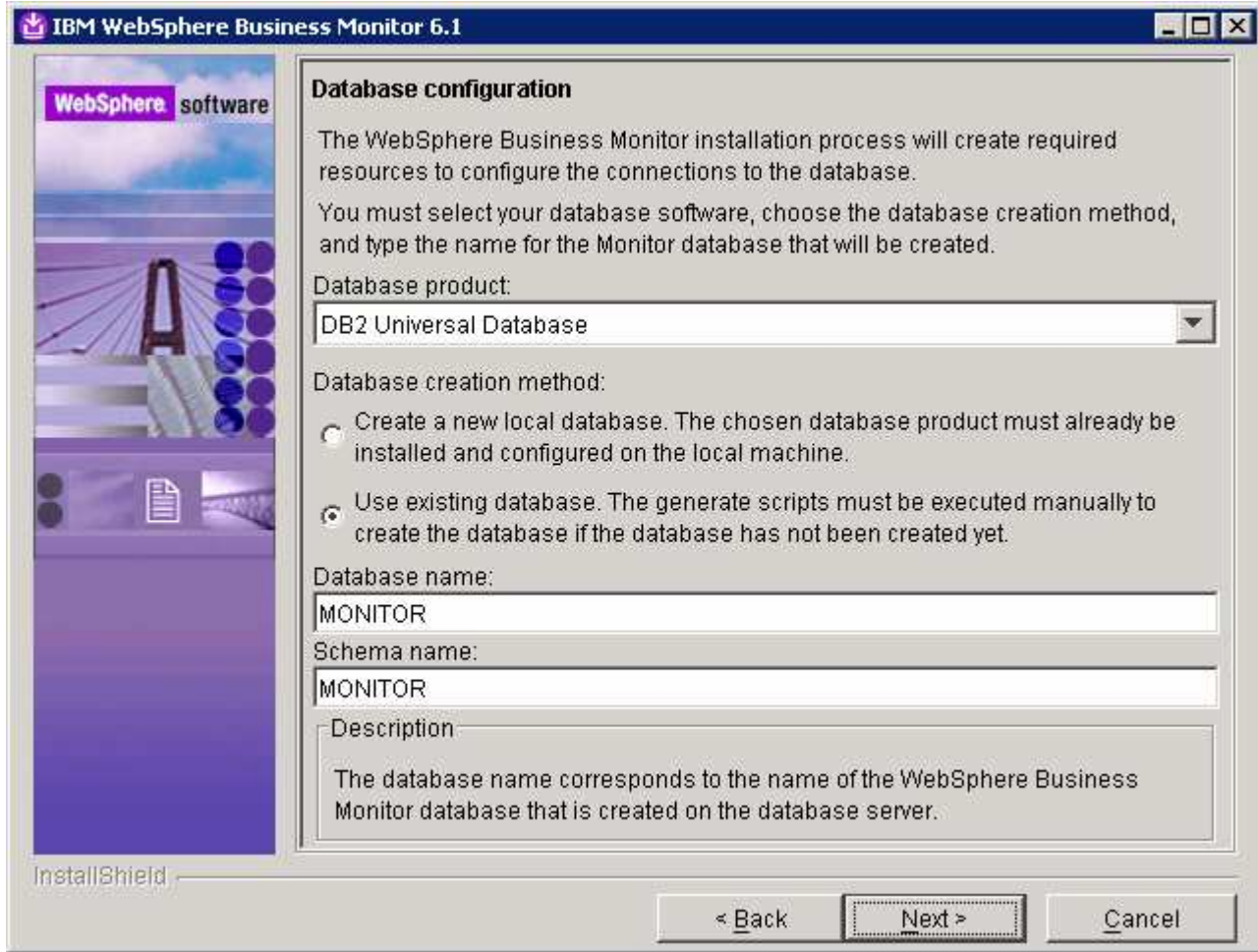
Database Product: - The Monitor V6.1 installation wizard supports **Embedded Derby, DB2 Universal Database, DB2 UDB for z/OS V8** and **Oracle 10g** as database products. However if you are planning to use portlet based dashboard, ensure that DB2 or Oracle is used as a database environment.



Remember: If you have plans to install Alphablox features for portlet-based dashboards in the environment, ensure that you not use Derby as database. The InstallShield wizard will not list Derby as database option.

Database creation method: - On choosing the '**Use existing database**' option, the InstallShield wizard creates the required resources and configures the connections for an existing or non existing MONITOR database. If the MONITOR database is not yet created, you must manually run the generated scripts to create the database after the installation is complete.

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___ 25. Click **Next**

___ 26. In the following panel, enter the following information :

___ a. User name : **db2admin**

___ b. Password : **db2admin**

___ c. Confirm Password : **db2admin**

___ d. JDBC driver class path files directory

: **C:\IBM\WebSphere\MonServer\universalDriver.wbm\lib**

___ e. JDBC driver type : **4**

___ f. Database server host name : **<fully qualified host name of the database server machine>**

Example: dbserver.austin.ibm.com

___ g. Server port : **50000**

IBM WebSphere Business Monitor 6.1 – LAB EXERCISE

Additional database configuration

To configure the database connections during this installation, you must provide additional information about the database server you are using.

For database authentication, you must type the user name and password for the database user that will be used to create the Monitor database. The database user must have read and write access on the database.

User name:
db2admin

Password:

Confirm password:

JDBC driver classpath files directory:
C:\IBM\WebSphere\MonServer\universalDriver.wbm\lib

Browse...

JDBC driver type:

2 (requires database software or database client to be installed on the local system)

4

Database server host name or IP address:
dbserver.austin.ibm.com

Database TCP/IP service port or listener port:
50000

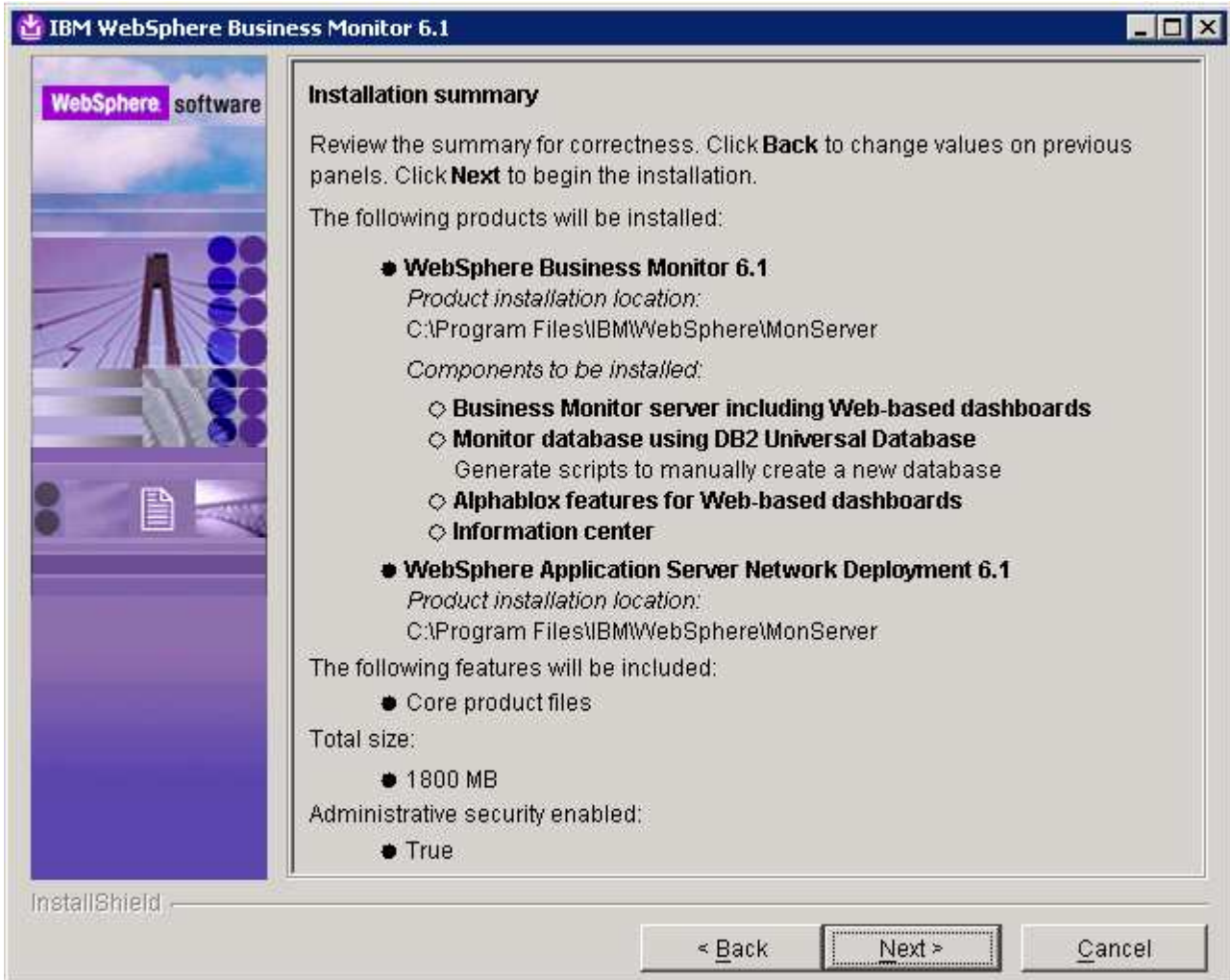
InstallShield

< Back Next > Cancel

Note: The InstallShield wizard uses the information provided in this panel to verify the database connection, verify that the database is installed and running. If the MONITOR database does not exist at this time, click **OK** over the warning dialog and continue with the installation. You can use the database scripts that are generated and manually create the database once the installation is complete.

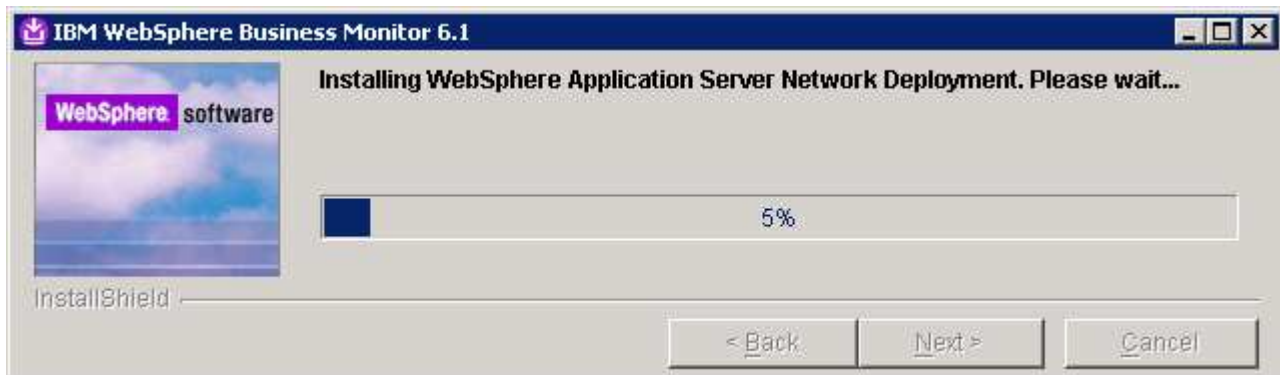
- ___ 27. Click **Next**
- ___ 28. Review the installation summary in the following panel

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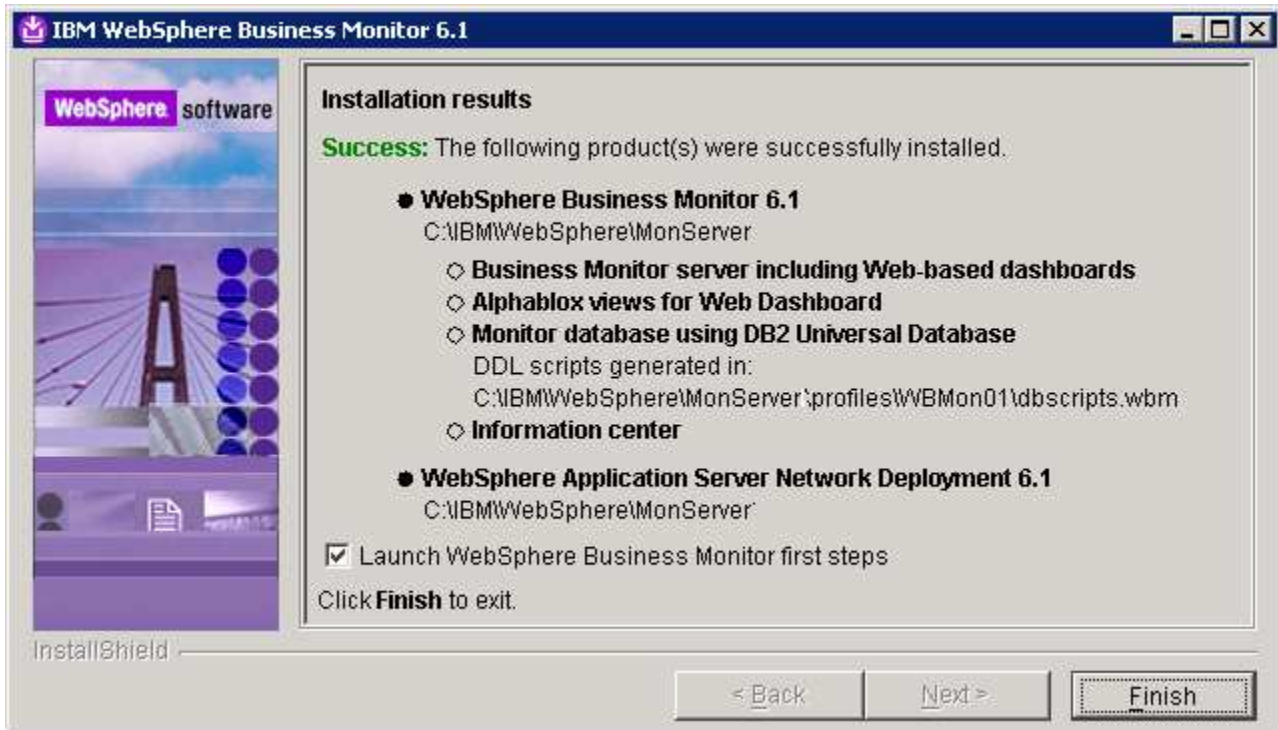
___ 29. Click **Next**. This action starts the installation

___ 30. The installation progresses starting with the WebSphere Application Server V6.1

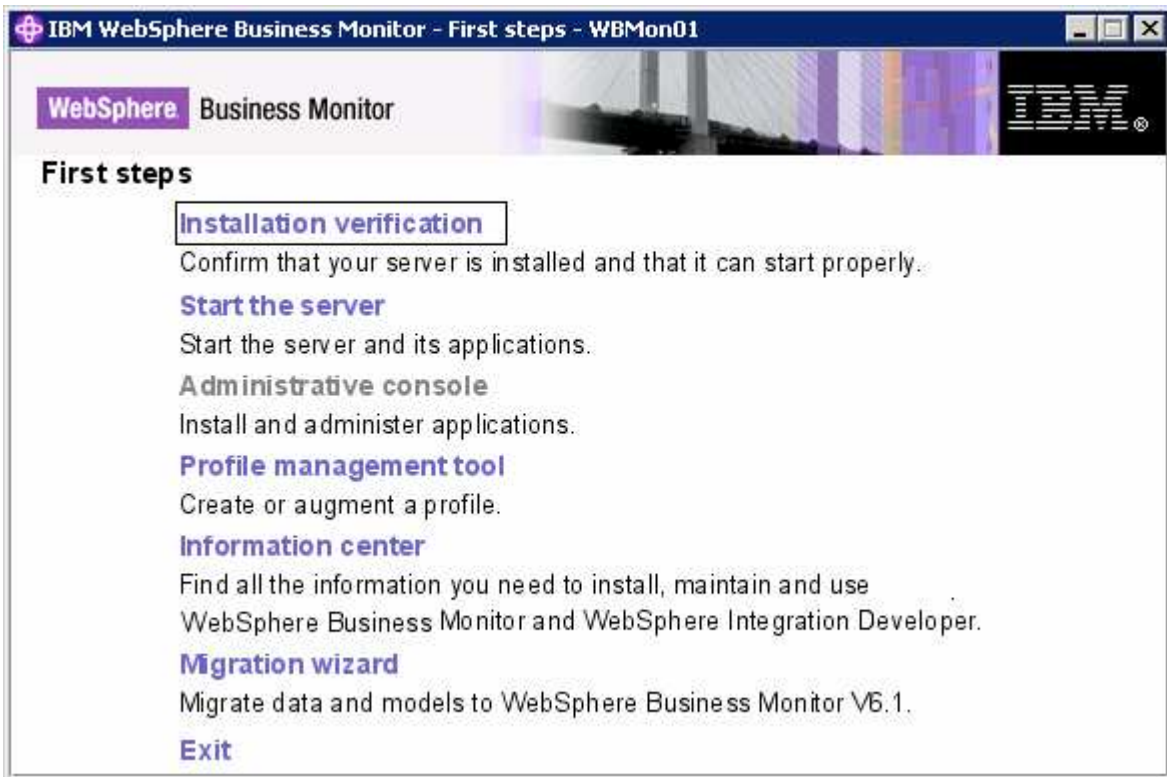


___ 31. Review the **Installation results** summary of the WebSphere Business Monitor V6.1 components and ensure all the components listed are successfully installed. Optionally select the check box next to '**Launch WebSphere Business Monitor first steps**' to launch the first steps console to run an installation verification test

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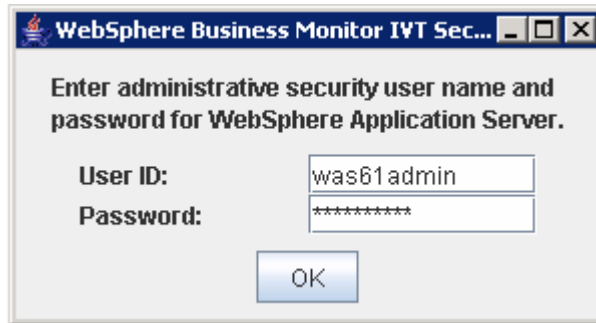


___ 32. Click **Finish** to exit the installation wizard. The 'First Steps' console is launched as shown below:

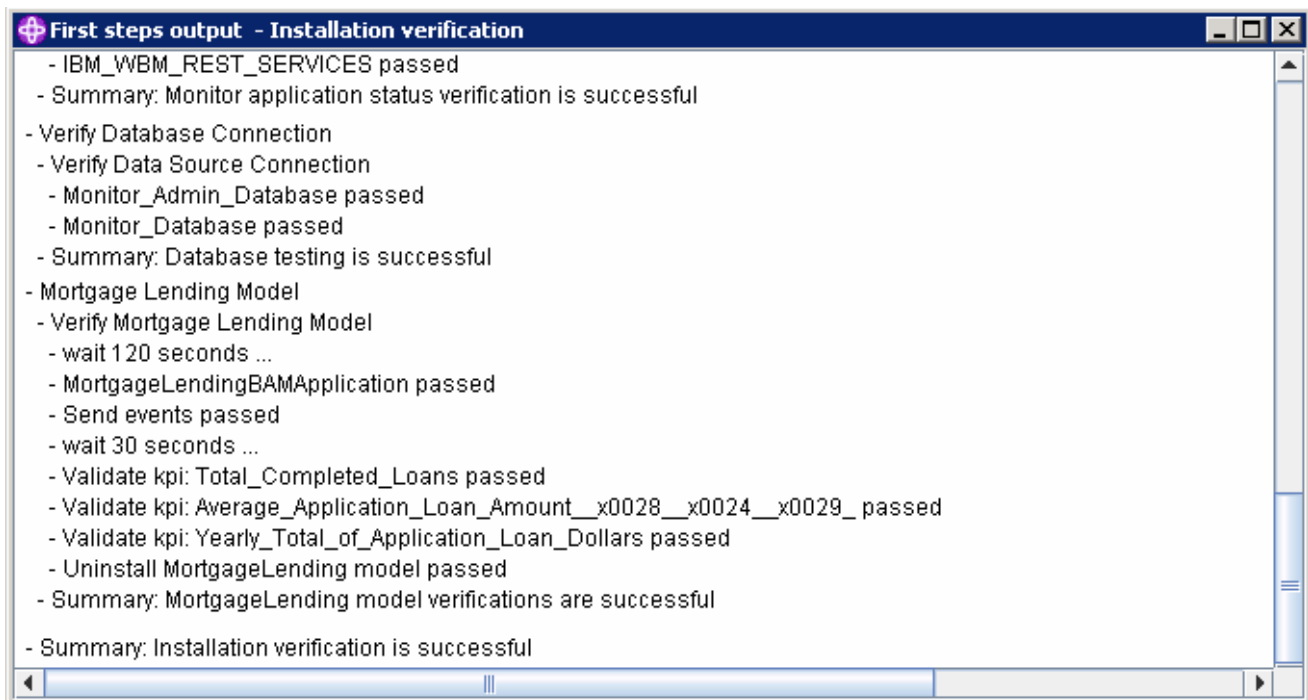


___ 33. Click the '**Installation Verification**' link to confirm that the monitor server and its components are installed successfully. The '**Installation verification**' console is launched

Note: If the WebSphere Application Server, administrative security is enabled, a pop up dialog is launched prompting for the 'User ID' and 'Password'.



Enter the administrative 'User ID' and 'Password' of the WebSphere Application Server and click OK.



____ 34. Ensure all the components are flagged as **'passed'** and close the **'Installation verification'** console

____ 35. Click the **'Exit'** link to close the **'First Steps'** console

Part 3: Preparing for Portlet-based dashboards installation (Machine 2)

In this part of the lab, the pre-requisite software is obtained and extracted in such a way that an on-disk WebSphere Business Monitor V6.1 installation image is created.

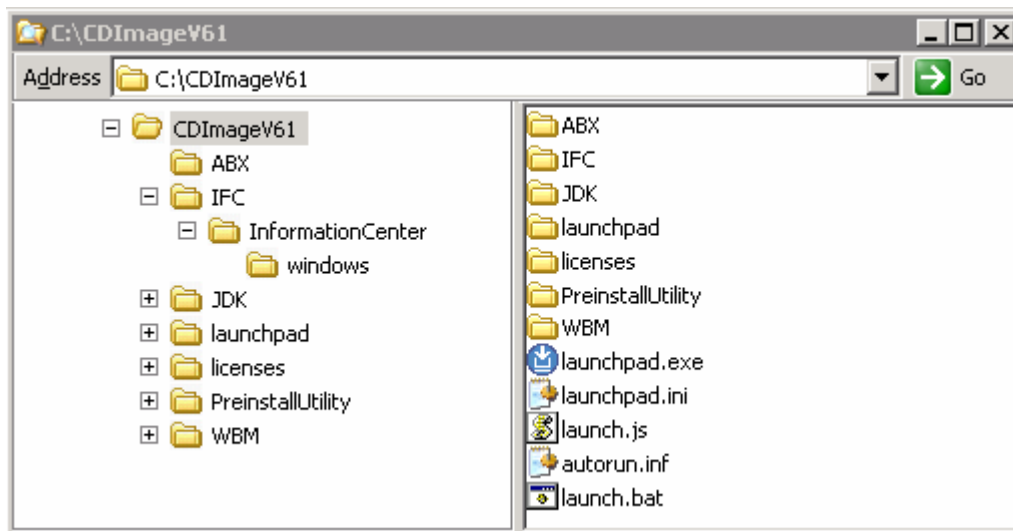
___ 1. The following are the installation files needed to install the WebSphere Business Monitor V6.1

| Product Name | File Name |
|---|--------------------|
| WebSphere Business Monitor V6.1 Base Components for Windows 2003 (Monitor V61 Setup CD) | C186LEN.zip |
| Alphablox V9.5 for Windows, AIX | C187GML.tar.gz |
| Information Center for Windows | IBM_Help_Win32.zip |

___ 2. Download all the installation archives to a directory for example : C:\MonitorDriversV61\

___ a. Extract all of the archives into a directory named for example, C:\CDImageV61\ to create an on-disk image and confirm that the directory structure was extracted correctly. It should appear similar to the picture shown below:

Note: Do not extract the **IBM_Help_Win32.zip** file. The Monitor installer expects a .zip file at <Monitor_Install_Image_Directory>\IFC\InformationCenter\windows location.



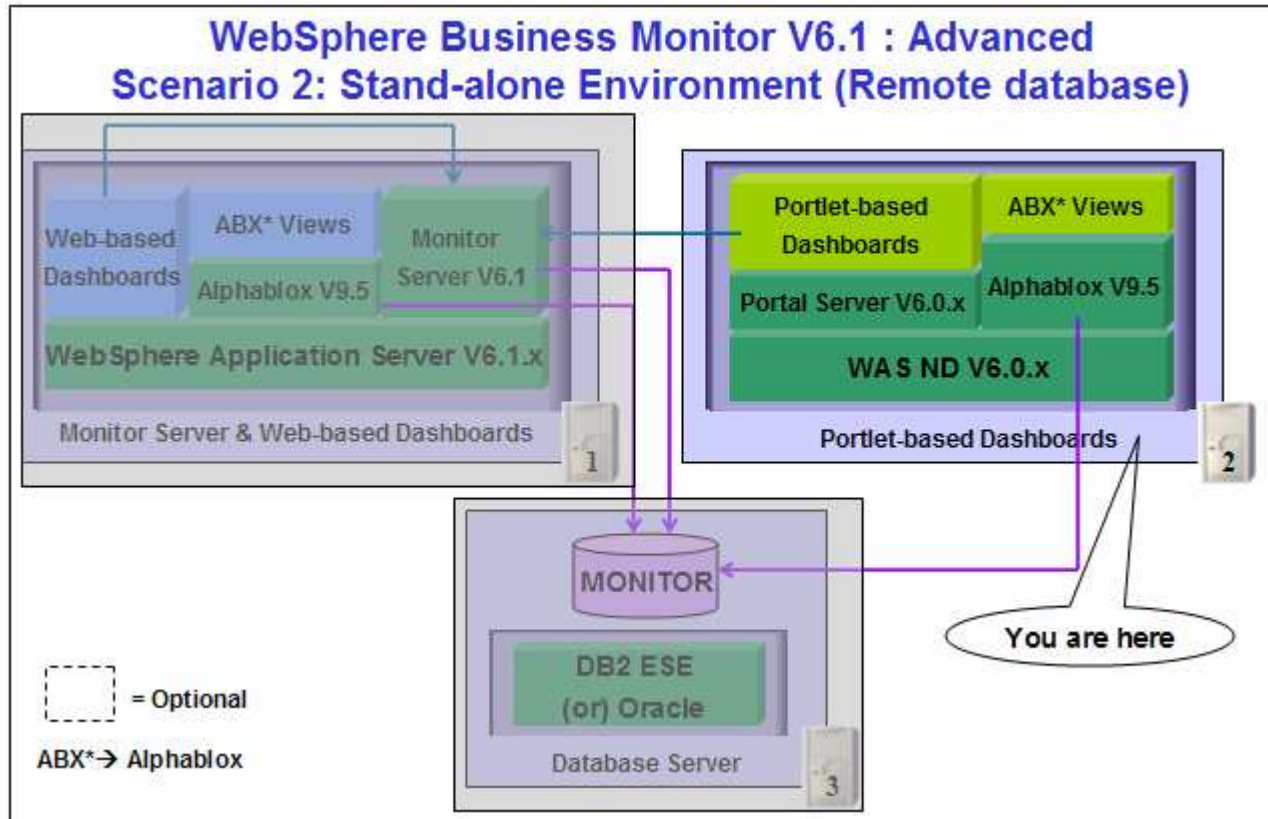
Note: Pre-requisite image location and folder name:

Executables should be placed directly under the directories specified below, so that 'install.exe' or 'install.sh' can be silently launched. Adding 'subdirectories' will prevent you installation from successful completion. Do not extract IBM_Help_Win32.zip.

InfoCenter - <Monitor_Install_Image_Directory>\IFC\InformationCenter\windows\IBM_Help_Win32.zip
Alphablox V9.2- <Monitor_Install_Image_Directory>\ABX\install.exe

Part 4: Installing Portlet-based dashboards including Alphablox views (Machine 2)

In this part of the lab, you will choose the option to install only the Portlet-based dashboards including Alphablox views using the InstallShield wizard on machine two.



In this part of the lab on machine two, you will install WebSphere Portal Server V6.0.1.1 as a prerequisite and then use InstallShield wizard to install the Portlet-based dashboards, Alphablox V9.5 instance for Alphablox views and configure resources for the MONITOR database.

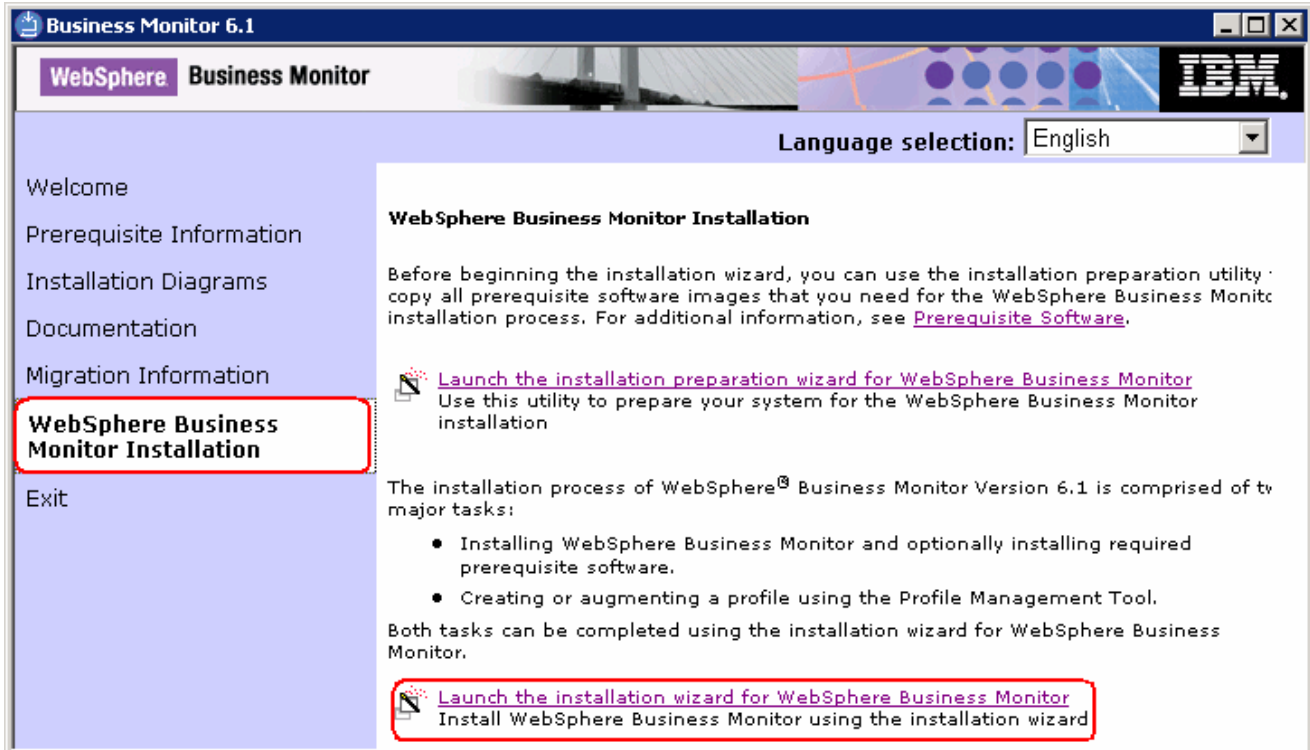
Prerequisite:

The InstallShield wizard does not install WebSphere Portal Server V6.0.1.1 in an 'Advanced' installation type. It has to be installed as a prerequisite out of the InstallShield wizard. Follow the instructions at: "[Task 1: Install WebSphere Portal Server V6.0 and update to V6.0.1.1](#)".

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

Follow the instructions below to complete the Portlet-based dashboards installation using the ‘Advanced’ installation type:

1. From the directory where all the pre-requisites and the Monitor driver are extracted (Example:- C:\CDImageV61\), double click on the **launchpad.exe** to run the Common Launchpad program



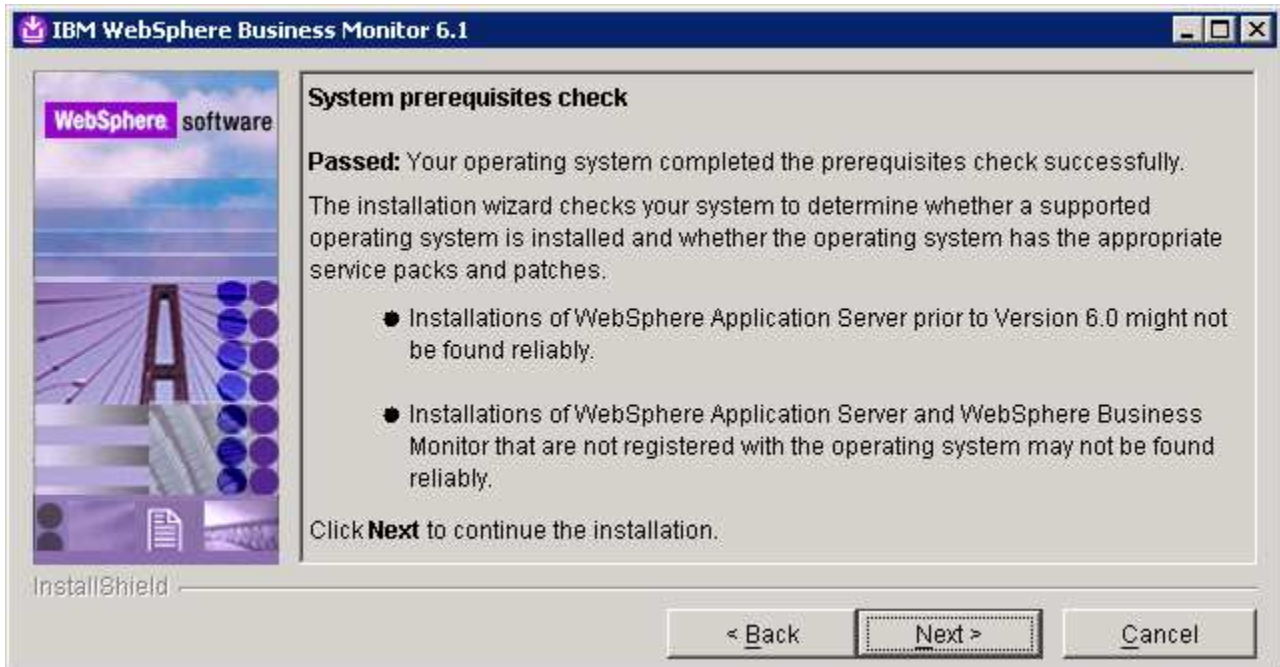
2. On the welcome screen, click on the **WebSphere Business Monitor Installation** link in the left pane and then click the **‘Launch the installation wizard for WebSphere Business Monitor’**. This launches the WebSphere Business Monitor V6.1 InstallShield wizard



3. Click **Next**
4. In the following panel, read the license agreement. If you agree to the terms, select the radio button for **‘I accept the both the IBM and the non-IBM terms’**

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- ___ 5. Click **Next**. The monitor installation program does an operating system prerequisite check and warns if the product installation is not supported.
- ___ 6. In the following panel, read the '**System prerequisite check**' information and act accordingly



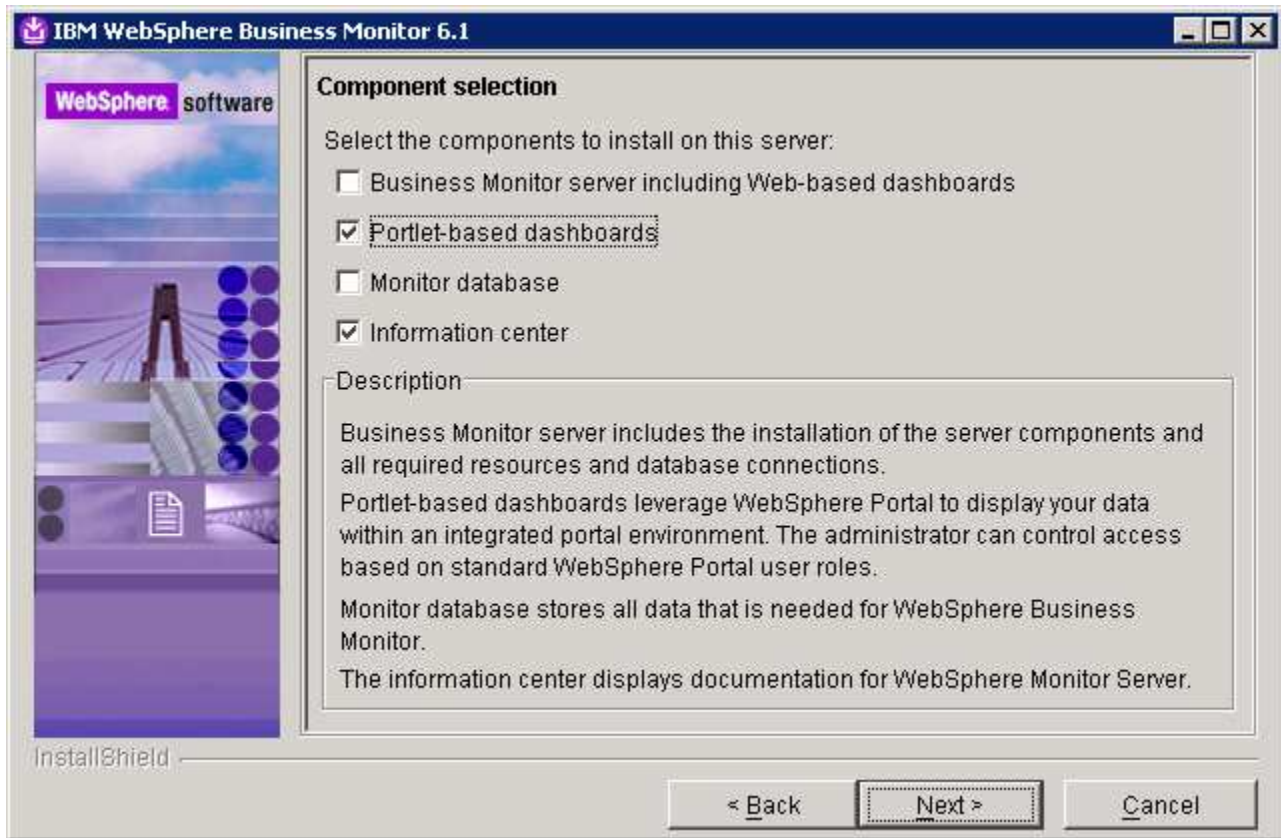
- ___ 7. Click **Next** to continue the installation
- ___ 8. In the following panel, select **Advanced Installation** as the **Installation Type**



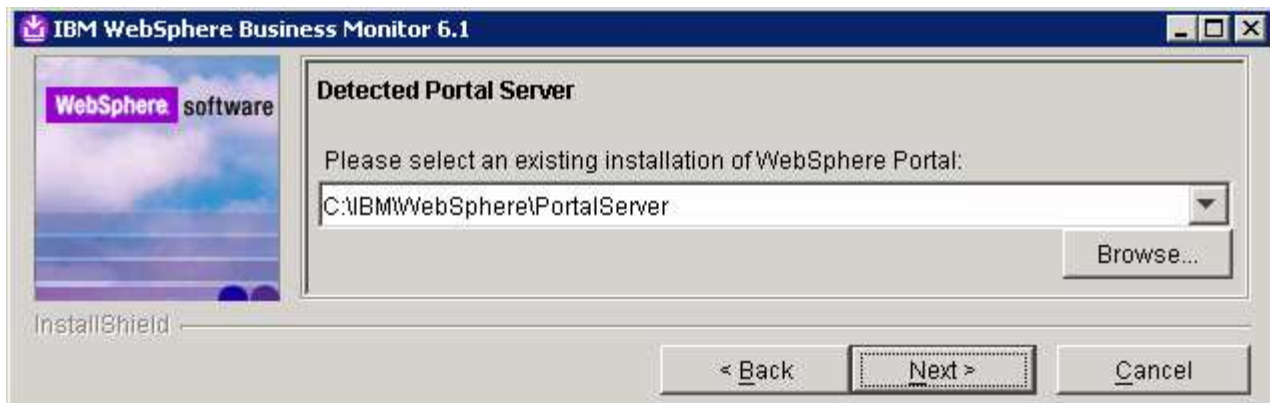
- ___ 9. Click **Next**

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10. In the following 'Component Selection' panel, select only the check box for 'Portlet-based dashboards'. Optionally select the check box for 'Information Center' to install the information center



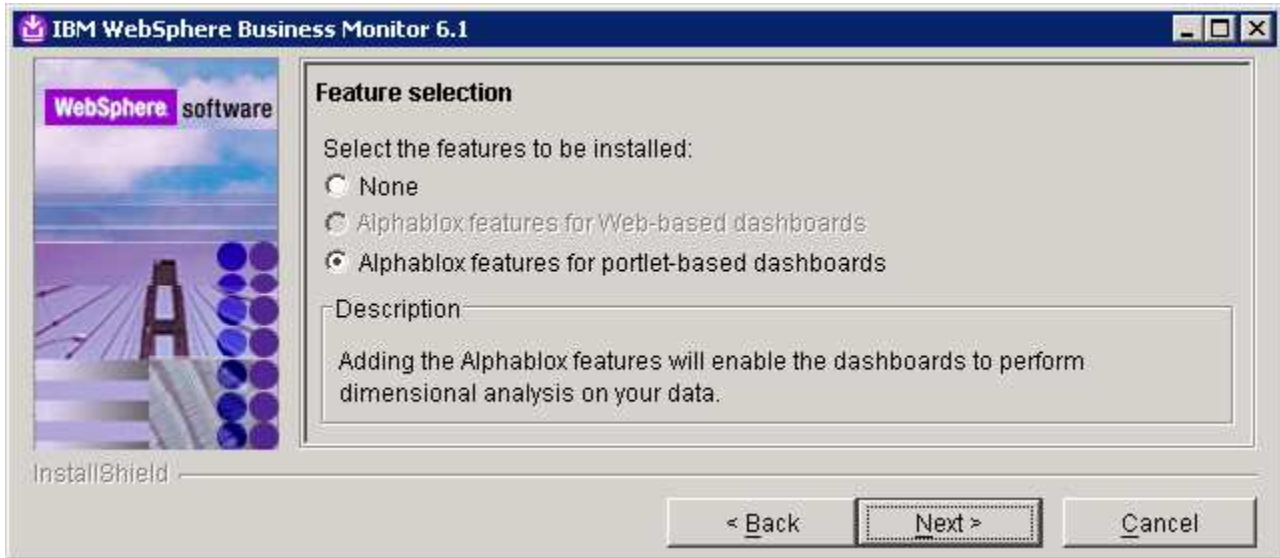
11. Click **Next**
12. In the following 'Detected Portal Server' panel, ensure the WebSphere Portal Server location is correct or click the **Browse** button to select an existing installation location of WebSphere Portal Server V6.0.1.1
- Existing installation location : **C:\IBM\WebSphere\PortalServer**



13. Click **Next**

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- ___ 14. In the following **Feature selection** panel, select the radio button for '**Alphablox features for portlet-based dashboards**'. Select **None** if do not want to install the Alphablox features



- ___ 15. Click **Next**
- ___ 16. In the following panel, enter the administrative security user name and password for WebSphere Application Server and WebSphere Portal Server
- ___ a. WebSphere Application Server user name : **was602admin**
 - ___ b. Password : **was602admin**
 - ___ c. Confirm password : **was602admin**
 - ___ d. Portal Server User name : **wpsadmin**
 - ___ e. Password : **wpsadmin**
 - ___ f. Confirm password : **wpsadmin**

Note: Ensure that you entered the correct user name and password for both the WebSphere Application Server and Portal Server before proceeding further.

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

WebSphere Portal administrative security

Specify a user name and password to log in to the WebSphere Portal 6.0.1.1 administrative tools. Because WebSphere Portal 6.0.1.1 is installed into a WebSphere Application Server 6.0.2 environment, you must provide administrative user information for WebSphere Portal and WebSphere Application Server. The administrative users are created in a repository within the monitor server. After the installation finishes, you can add more users, groups, or external repositories.

WebSphere Application Server user name:
was602admin

Password:

Confirm password:

WebSphere Portal user name:
wpsadmin

Password:

Confirm password:

See the [information center](#) for more information about administrative security.

InstallShield

< Back Next > Cancel

___ 17. Click **Next**

___ 18. In the following **Portlet-based dashboards configuration** panel, enter the following configuration information:

___ a. WebSphere Portal profile name : **wp_profile** (not editable)

___ b. WebSphere Portal profile directory : **C:/ibm/WebSphere/wp_profile** (not editable)

___ c. Monitor data security server host name: **<fully qualified name of monitor server machine >**

Example: monitorsrv.austin.ibm.com

___ d. Monitor data security port number : **<default HTTP port number of the monitor server>**

Example: 9080

Note: The Monitor data security server is the WebSphere Business Monitor Server profile. The Monitor data security port number is the default HTTP port number on which the Monitor Server profile is running.

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE



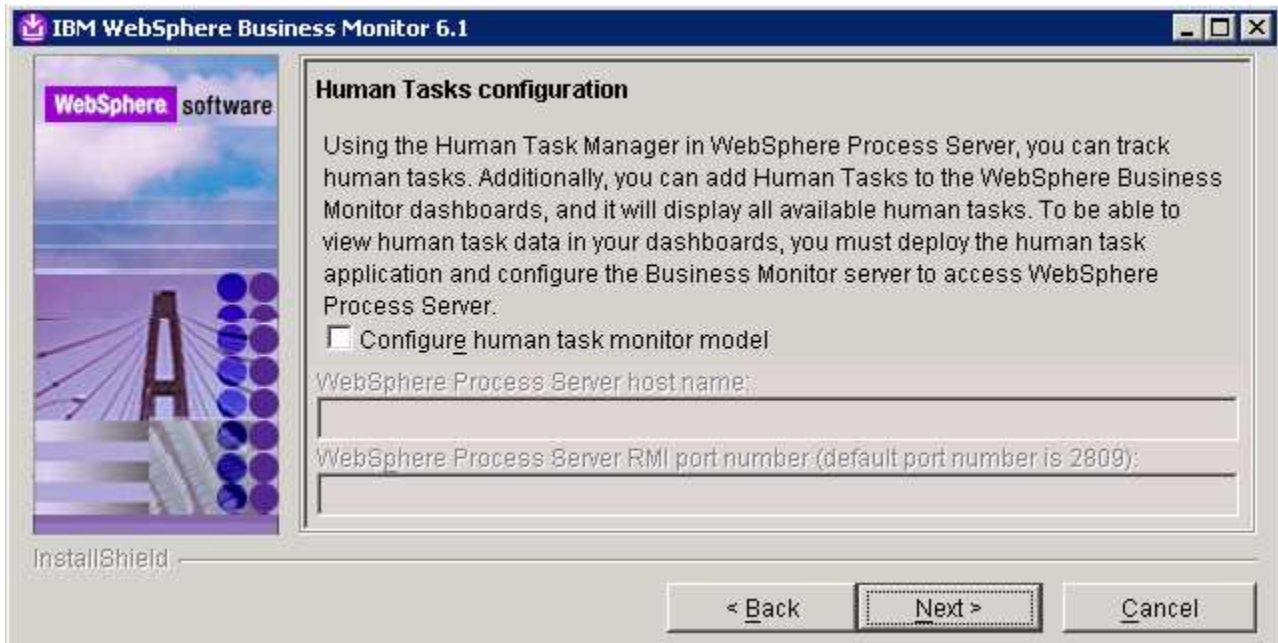
Task: To post-configure the correct 'Monitor data security server host name' and port number, follow the instructions below:

- Start the 'WebSphere_Portal' server and launch the WebSphere Application Server V6.0.2 administrative console. (Example: <http://localhost:10027/admin>), enter the username and password and log on.
- In the left pane, expand **Application Servers** and click the 'WebSphere_Portal' link to the right
- In the following page, expand '**Java and Process Management**' and click the '**Process Definition**' link
- In the following page, click on '**Java Virtual Machine**' under 'Additional Properties'
- In the following page, click on '**Custom Properties**' under 'Additional Properties'
- In the following page, click on [DashboardRESTServiceTarget | localhost:9080](#) link
- In the following page, update the **Value** field with the correct hostname and port (Example: <Fully qualified 'Monitor data security server host name' (Monitor Server)> :< port number>)
- Click **OK**, save to master configuration and restart the '**WebSphere_Portal**' server

____ 19. Click **Next**

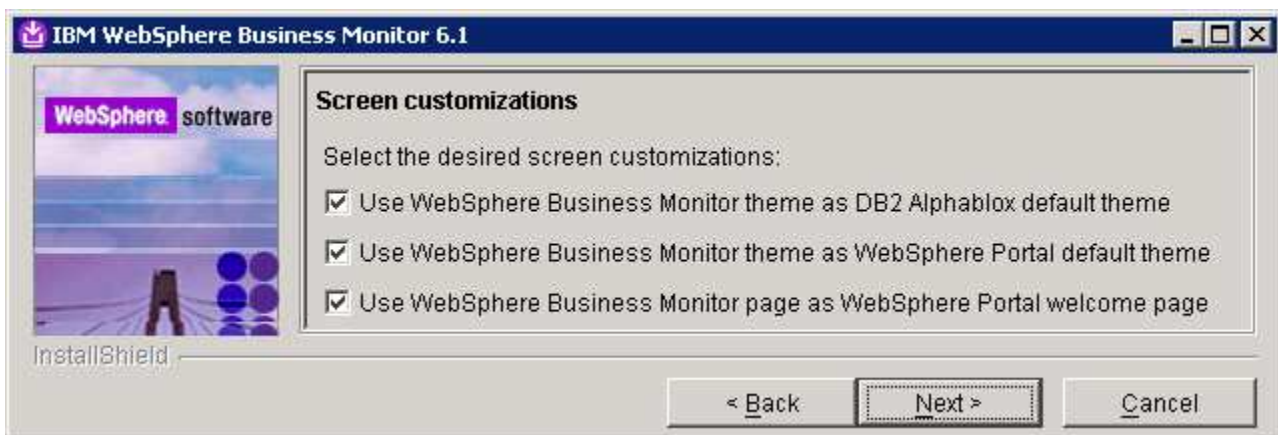
____ 20. In the following **Human Tasks Configuration** panel, accept the default

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE



Note: The Human Task Configuration requires a WebSphere Process Server V6.1 in the environment. The InstallShield wizard uses the information provided in this panel to test the connection and validate that WebSphere Process Server running properly. WebSphere Process Server is out of scope to the document. However the instructions are provided at the end of the document. Visit '**Task 3:- Human Task Configuration for portlet based dashboards**'

- ___ 21. Click **Next**
- ___ 22. In the following '**Screen customizations**' panel, select the check boxes next to the desired screen customizations

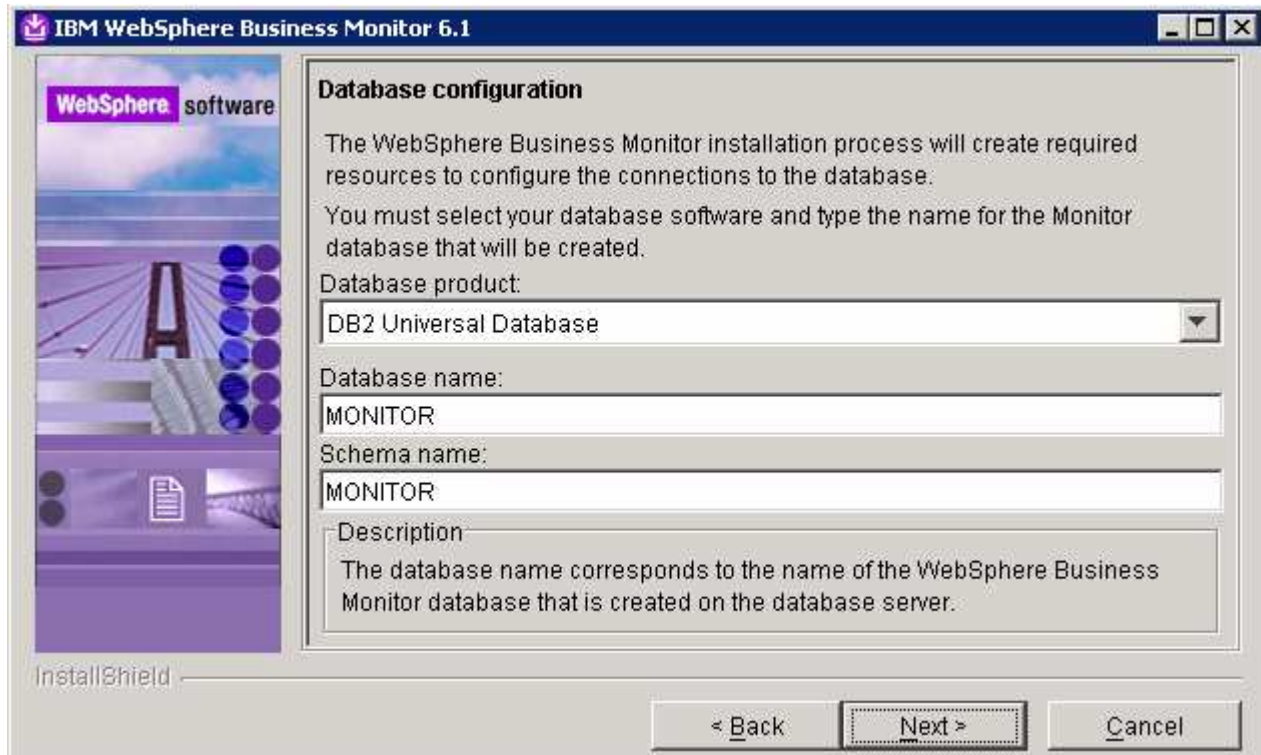


- ___ 23. Click **Next**
- ___ 24. In the following '**Database configuration**' panel, enter the following:
- ___ a. Database product : **DB2 Universal Database**
- ___ b. Database name : **MONITOR**

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

__ c. Schema name : **MONITOR**

Important: Enter the correct database and schema names that you had given while creating the MONITOR database on machine one.



___ 25. Click **Next**

___ 26. In the following 'Additional database configuration' panel, enter the following information :

__ a. User name : **db2admin**

__ b. Password : **db2admin**

__ c. Confirm Password : **db2admin**

__ d. JDBC driver class path files directory

: **C:\IBM\WebSphere\AppServer\universalDriver.wbm\lib**

__ e. JDBC driver type : **4**

__ f. Database server host name : **dbserver.austin.ibm.com**

__ g. Server port : **50000**

Important: Enter the correct user name, password you used to create the MONITOR database. Also provide the correct port number on which the database server is running. The database server host name is the fully qualified host name of the machine where the database server is running (Machine 1 in this scenario).

IBM WebSphere Business Monitor 6.1 – LAB EXERCISE

The screenshot shows the 'Additional database configuration' window of the IBM WebSphere Business Monitor 6.1 installation wizard. The window title is 'IBM WebSphere Business Monitor 6.1'. On the left, there is a vertical sidebar with the 'WebSphere software' logo and a graphic of a bridge. The main content area contains the following text and fields:

Additional database configuration

To configure the database connections during this installation, you must provide additional information about the database server you are using.

For database authentication, you must type the user name and password for the database user that will be used to create the Monitor database. The database user must have read and write access on the database.

User name:
db2admin

Password:

Confirm password:

JDBC driver classpath files directory:
C:\IBM\WebSphere\AppServer\universalDriver.wbm\lib
Browse...

JDBC driver type:
 2 (requires database software or database client to be installed on the local system)
 4

Database server host name or IP address:
dbserver.austin.ibm.com

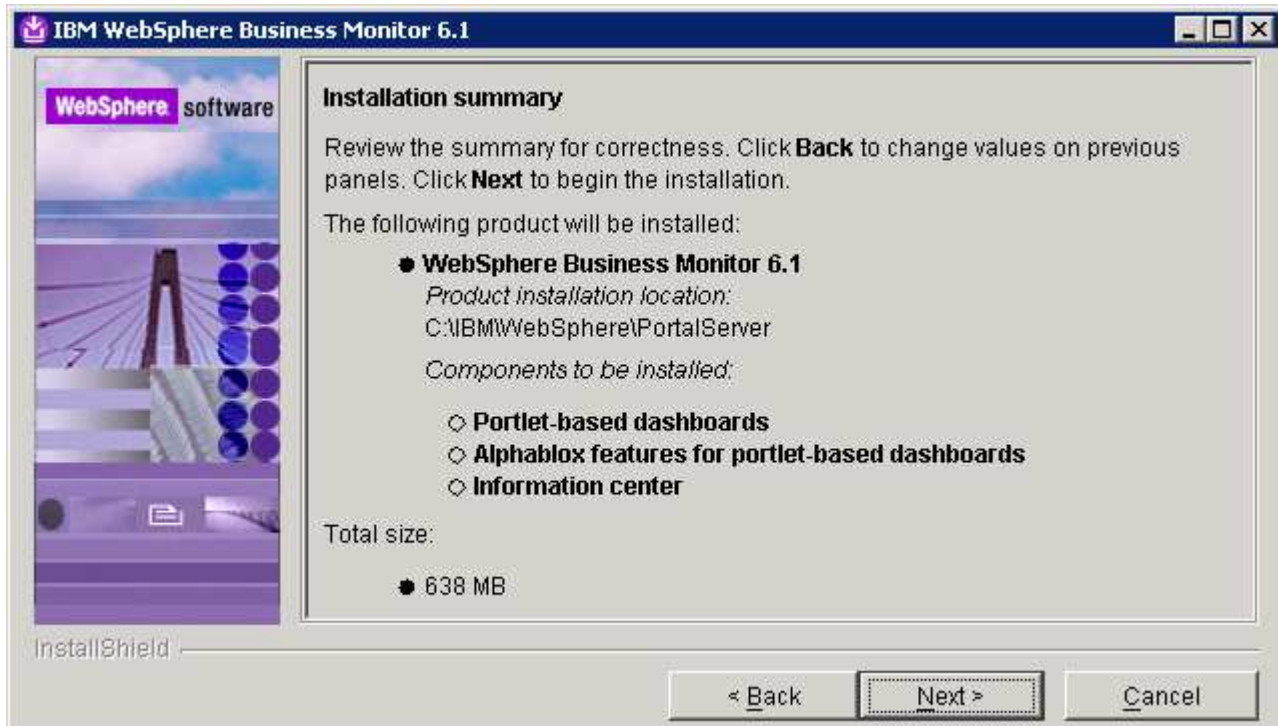
Database TCP/IP service port or listener port:
50000

At the bottom of the window, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a dashed border.

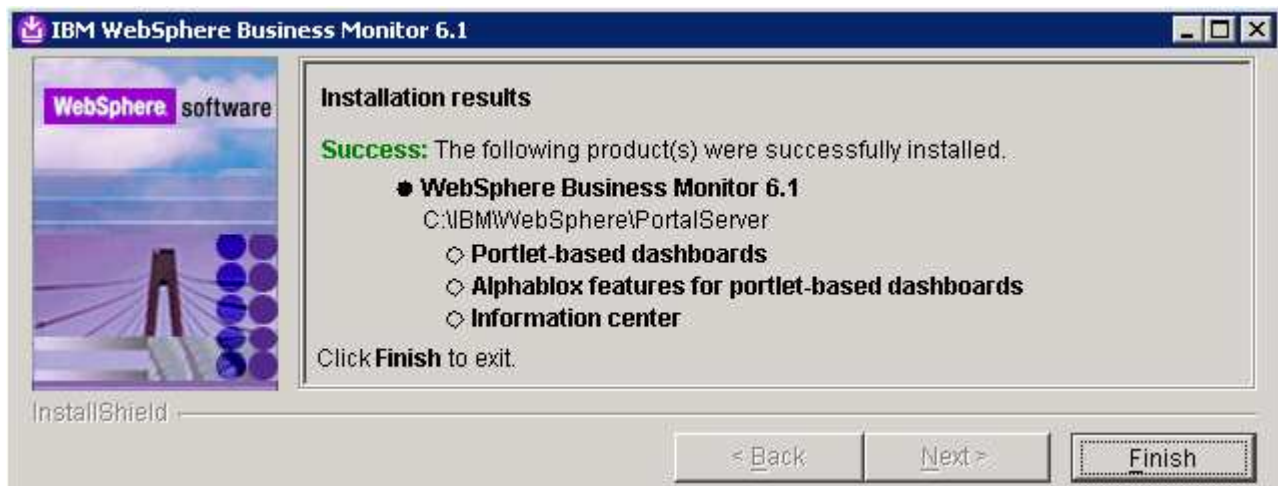
___ 27. Click **Next**

___ 28. Review the installation summary in the following panel

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE



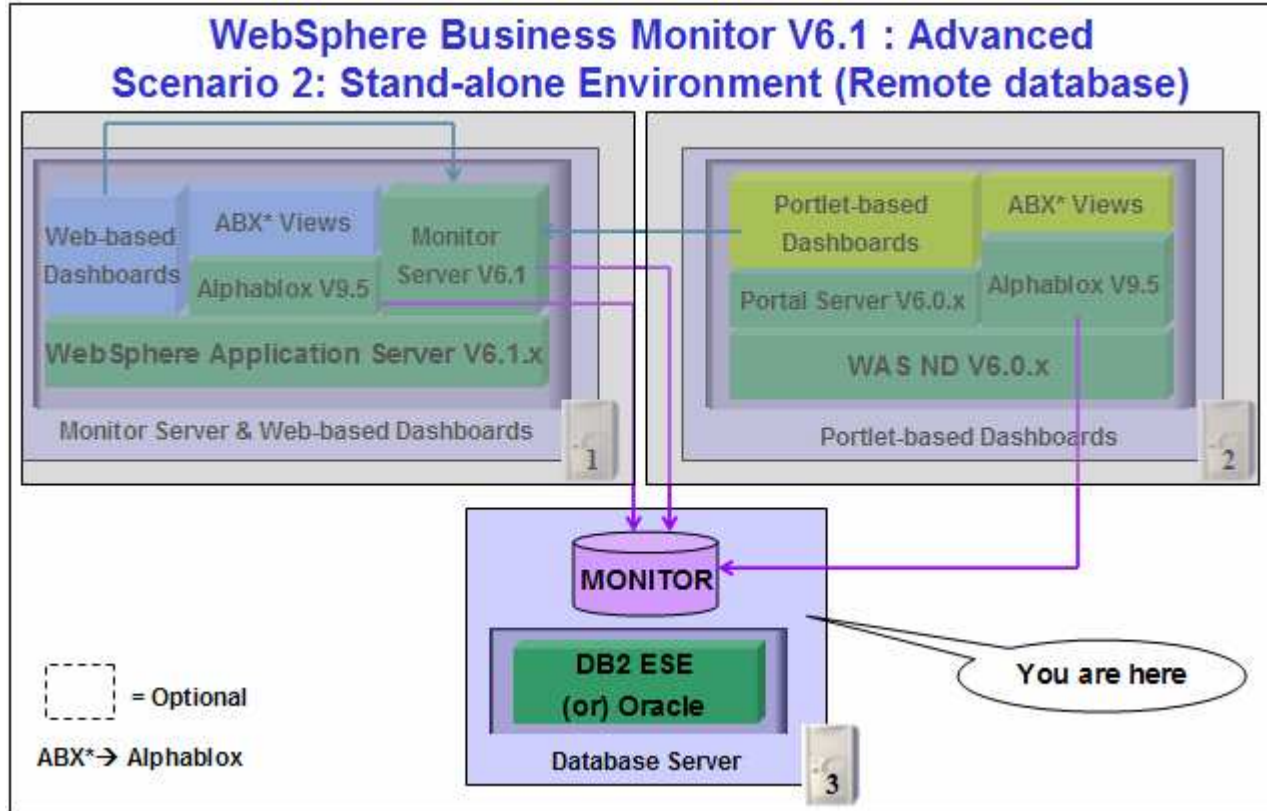
- ___ 29. Click **Next**. The installation progresses
- ___ 30. Review the **Installation results** summary of the WebSphere Business Monitor V6.1 components and ensure all the software components listed are successfully installed



- ___ 31. Click the **Finish** button to exit the installation wizard

Part 5: Create MONITOR database (Machine 3)

In this part of the lab, you will setup the DB2 database environment and create the MONITOR database using the InstallShield wizard. Alternatively you can follow the instructions to manually create the MONITOR database by running the generated scripts.



Prerequisite: If you plan to use DB2 product for MONITOR database, visit the DB2 information center to install and configure DB2 ESE V8.2.6 fix pack 13 or V9.1.

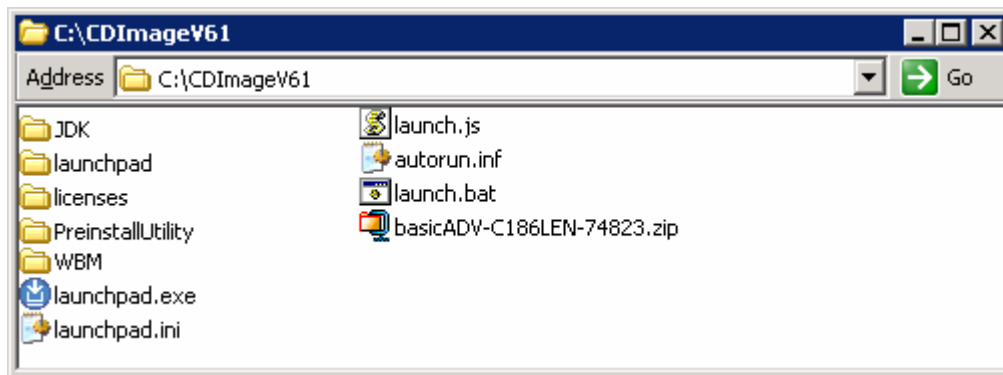
Obtain the WebSphere Business Monitor V6.1 driver and extract in such a way to create the correct on-disk structure for the Launchpad to run:

- The following are the installation archives needed to create the WebSphere Business Monitor V6.1 MONITOR database

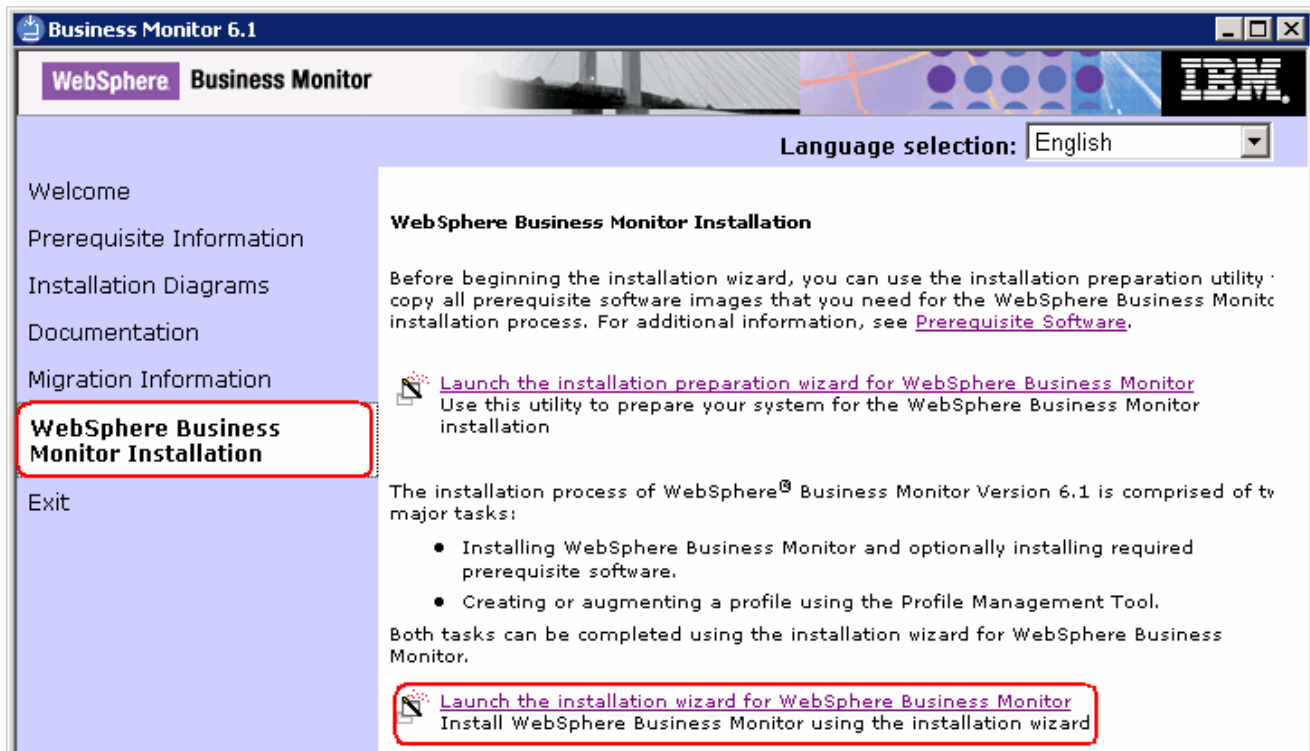
| Product Name | File Name |
|---|--------------|
| WebSphere Business Monitor V6.1 Base Components for Windows 2003 (Monitor V61 Setup CD) | C186LEN.zip |
| DB2 Enterprise Server Edition V8.2.6 and V9.1 for Windows | ESE_v826.zip |
| | ESE_v91.zip |

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

2. Extract only the monitor driver archive to a directory, for example (**C:\CDImageV61**) to create an on-disk image and confirm that the directory structure was extracted correctly. It should appear similar to the picture shown below:



3. From the directory where monitor driver is extracted (Example:- **C:\CDImageV61**), double click on **launchpad.exe** to launch the Common Launchpad program



4. On the welcome screen, click on the **WebSphere Business Monitor Installation** link in the left pane and then click the '**Launch the installation wizard for WebSphere Business Monitor**'. This launches the WebSphere Business Monitor V6.1 InstallShield wizard

IBM WEBSPHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

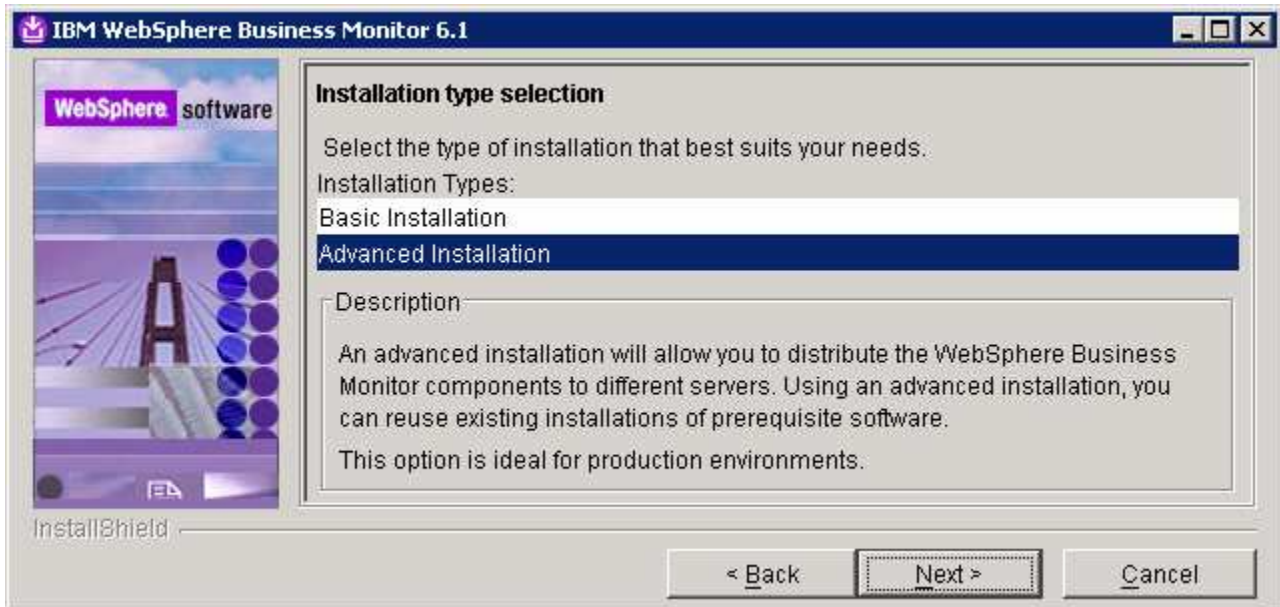


- ___ 5. Click **Next**
- ___ 6. In the following panel, read the license agreement. If you agree to the terms, select the radio button for '**I accept the both the IBM and the non-IBM terms**'
- ___ 7. Click **Next**. The monitor installation program does an operating system prerequisite check and warns if the product installation is not supported
- ___ 8. In the following panel, read the '**System prerequisite check**' information and act accordingly



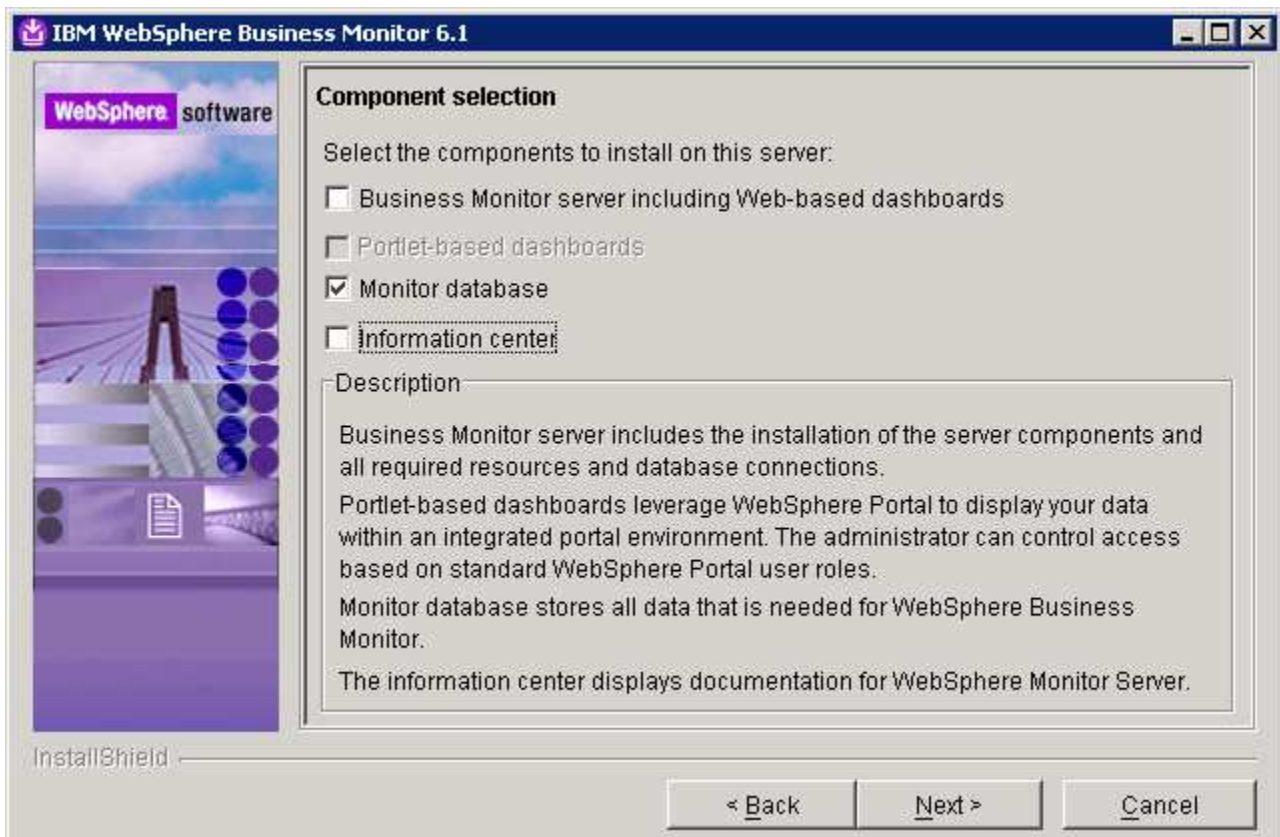
- ___ 9. Click **Next** to continue the installation
- ___ 10. In the following panel, select **Advanced Installation** as the **Installation Type**

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE



___ 11. Click **Next**

___ 12. In the following '**Component selection**' panel, select only the check box for '**Monitor database**'



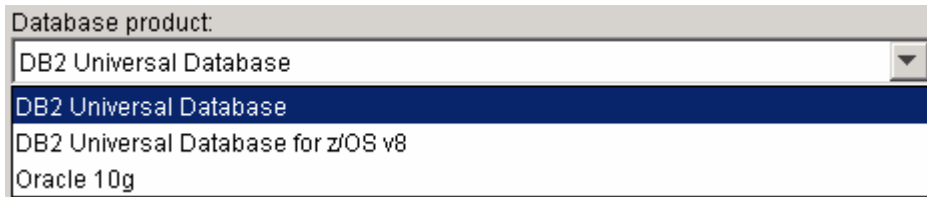
___ 13. Click **Next**

___ 14. In the following '**Database configuration**' panel, complete the following instructions:

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

- ___ a. Database Product : **DB2 Universal Database** (select from the drop down list)
- ___ b. Database creation method : Select the radio button for '**Create a new local database**'
- ___ c. Install Location for Scripts : Enter the location of your choice
Example: **C:\IBM\WebSphere\MonDB**
- ___ d. Database name : **MONITOR**
- ___ e. Schema name : **MONITOR**

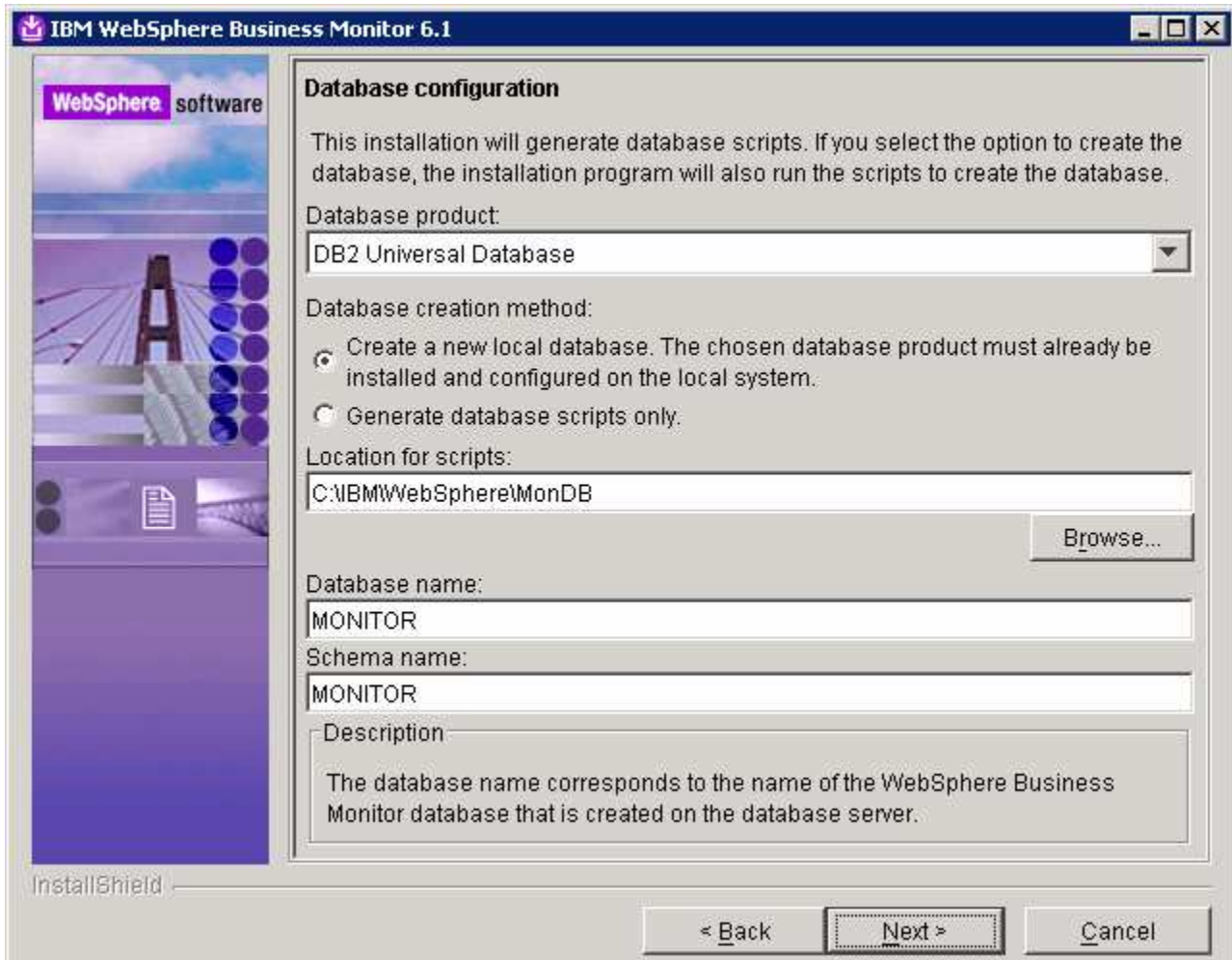
Database Product: - The Monitor V6.1 Advanced type installation wizard supports **DB2 Universal Database**, and **DB2 UDB for z/OS V8** and **Oracle 10g** as database products.



Database creation method: - On selecting the option, '**Create a new local database**,' ensure the required database product is installed locally.

If the chosen database product is not ready for the '**Create a new local database**' option, clear it and select the '**Generate database scripts manually**' option and run the scripts to create the MONITOR database.

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

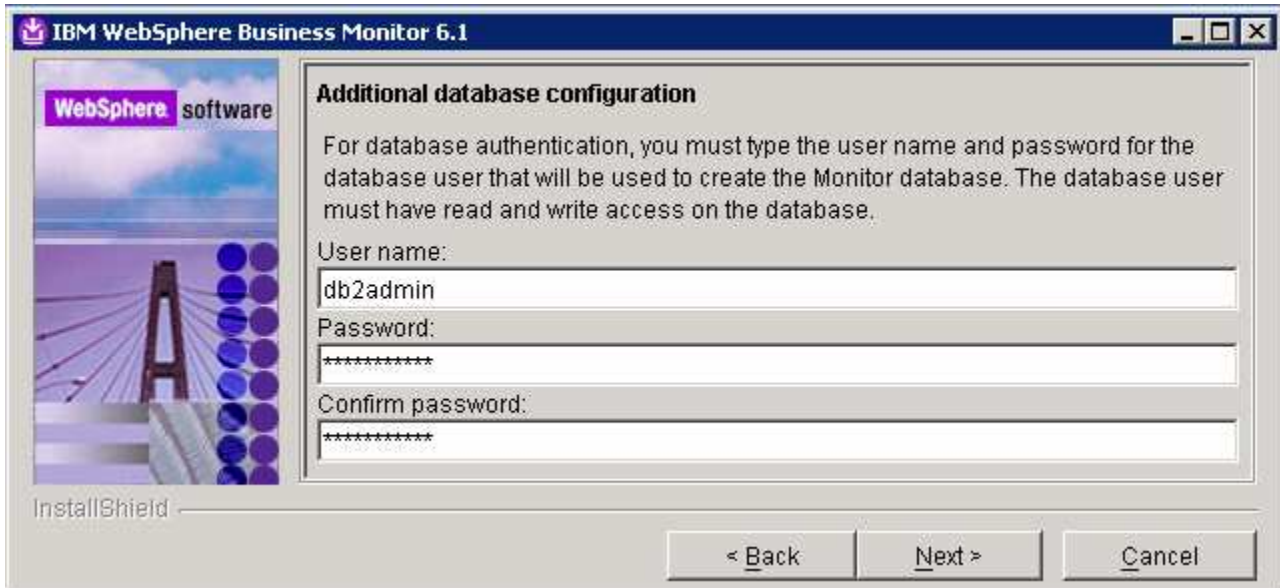


___ 15. Click **Next**

___ 16. In the following '**Additional database configuration**' panel, enter the following information:

- ___ a. User name : **db2admin**
- ___ b. Password : **db2admin**
- ___ c. Confirm Password : **db2admin**

IBM WebSphere Business Monitor 6.1 – LAB EXERCISE



___ 17. Click **Next**

___ 18. In the following **Federated repositories provider** panel, enter the following:

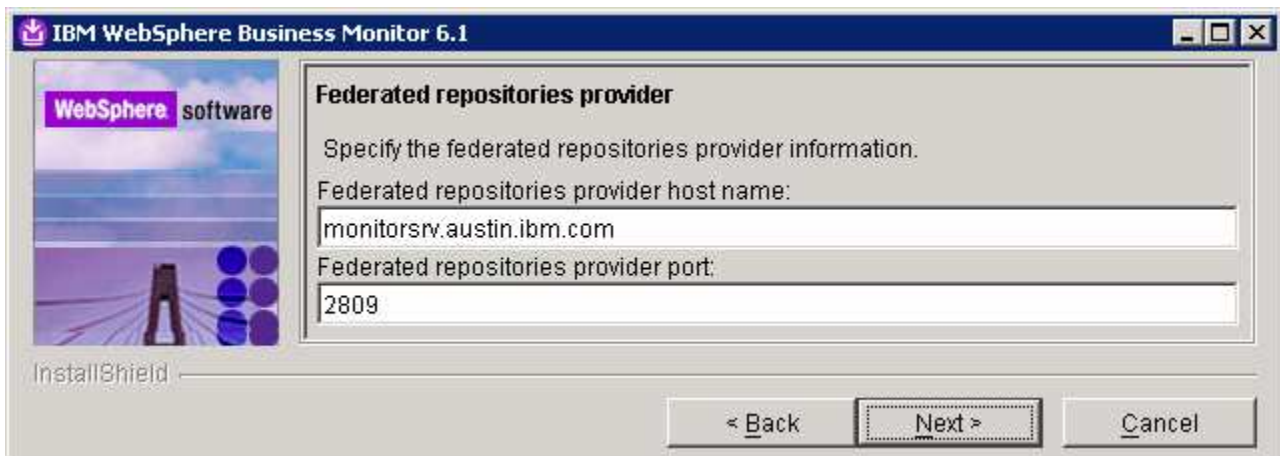
___ a. Federated repositories provider host name

: < fully qualified name of the monitor server machine >

Example: monitorsrv.austin.ibm.com

___ b. Federated repositories provider port

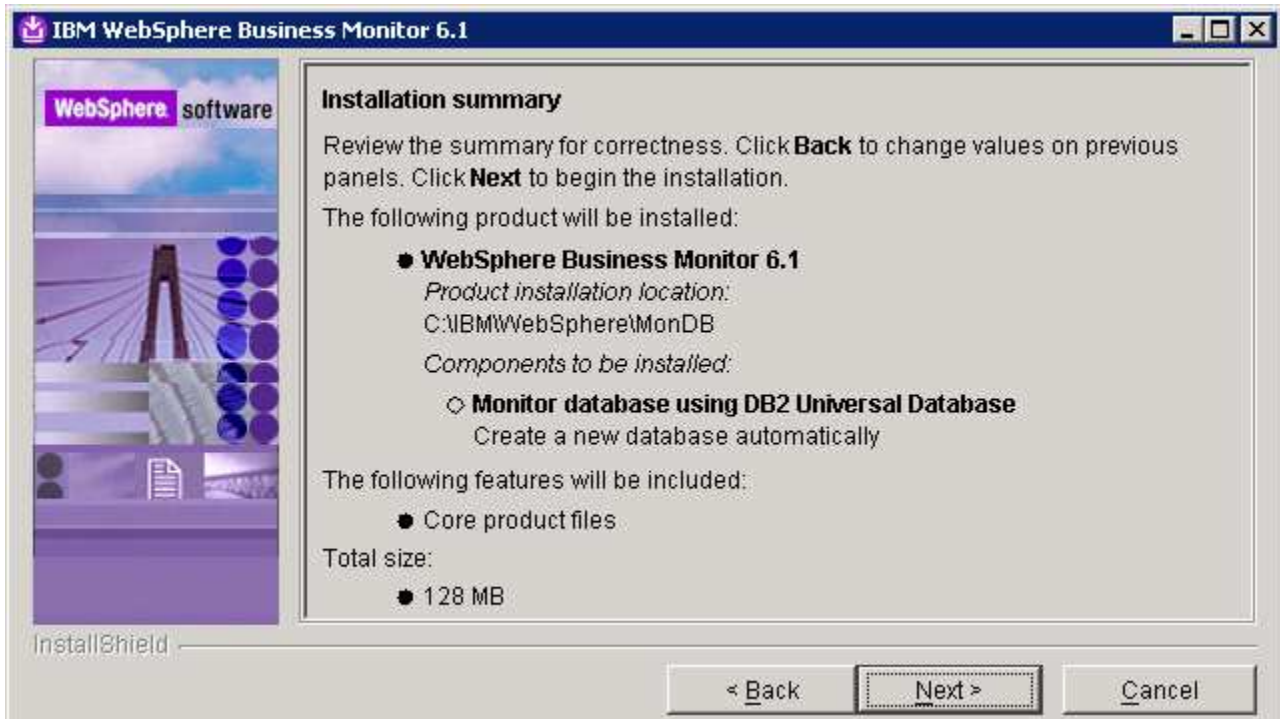
: **2809** (RMI port)



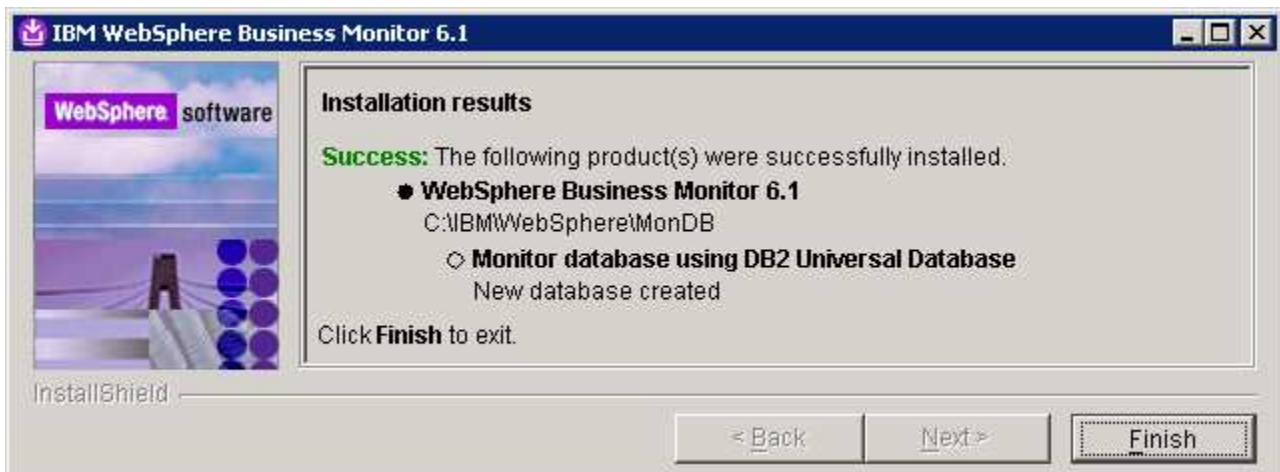
___ 19. Click **Next**

___ 20. Review the installation summary in the following panel

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE



- ___ 21. Click **Next**. The MONITOR database creation progresses
- ___ 22. Review the **Installation results** summary and ensure the MONITOR database is successfully created



- ___ 23. Click **Finish**

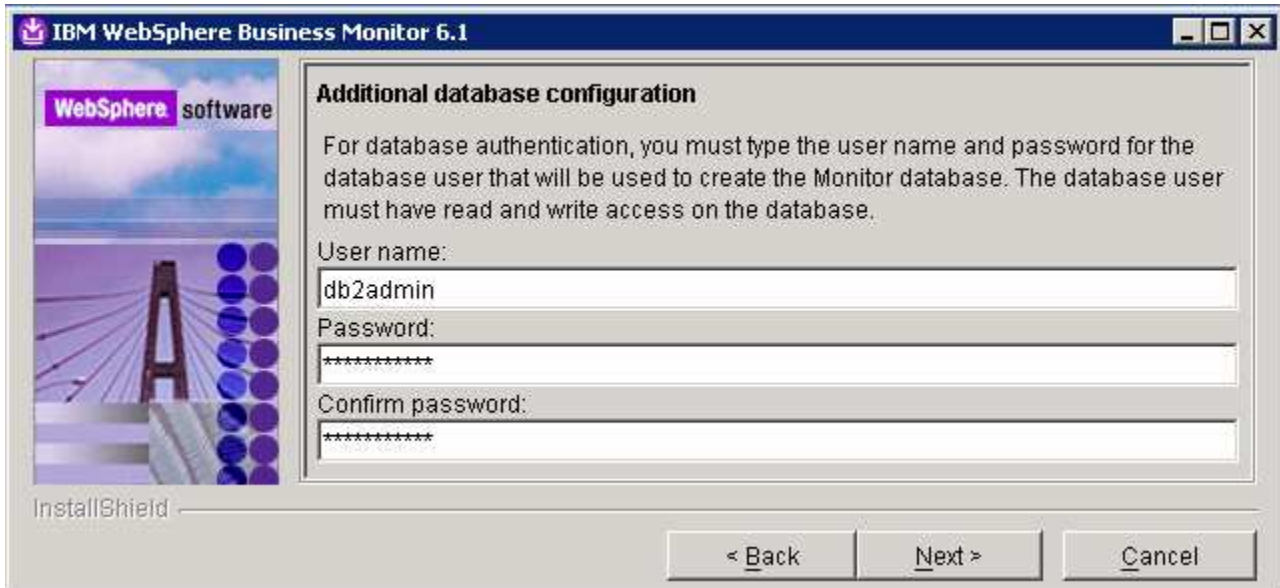
Manually create the MONITOR database

If the chosen database product is not ready for the '**Create a new local database**' option, follow the instructions below to use the InstallShield wizard to generate the database scripts and manually create the MONITOR database:

- ___ 1. Ensure you choose the required database product in the '**Database configuration**' panel and select the radio button for '**Generate database scripts only**'

- ___ 2. Click **Next**
- ___ 3. In the following '**Additional database configuration**' panel, enter the following information:
- ___ a. User name : **db2admin**
 - ___ b. Password : **db2admin**
 - ___ c. Confirm Password : **db2admin**

IBM WebSphere Business Monitor 6.1 – LAB EXERCISE



___ 4. Click **Next**

___ 5. In the following '**Federated repositories provider**' panel, enter the following:

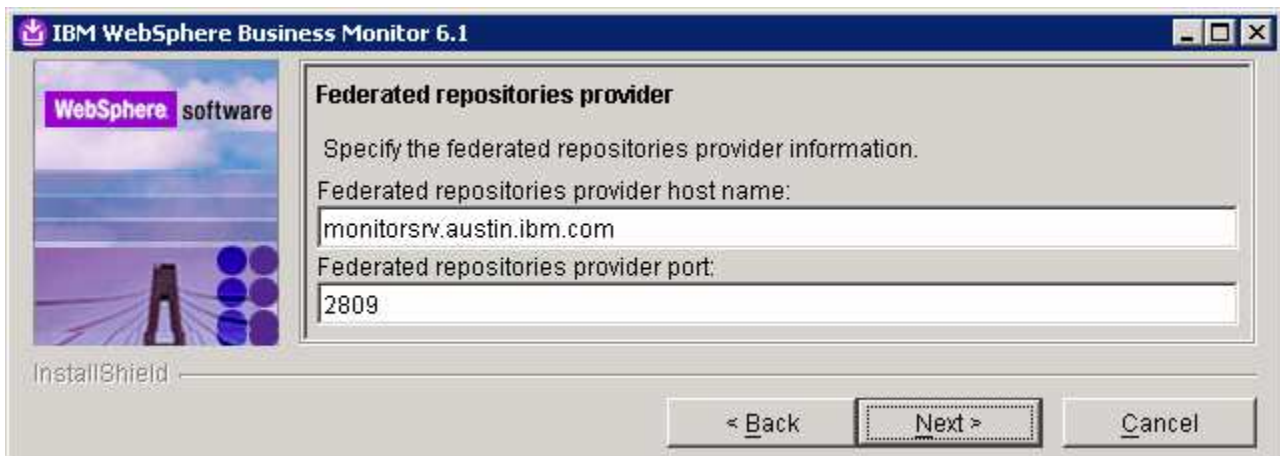
___ a. Federated repositories provider host name

: < fully qualified name of the monitor server machine >

Example: monitorsrv.austin.ibm.com

___ b. Federated repositories provider port

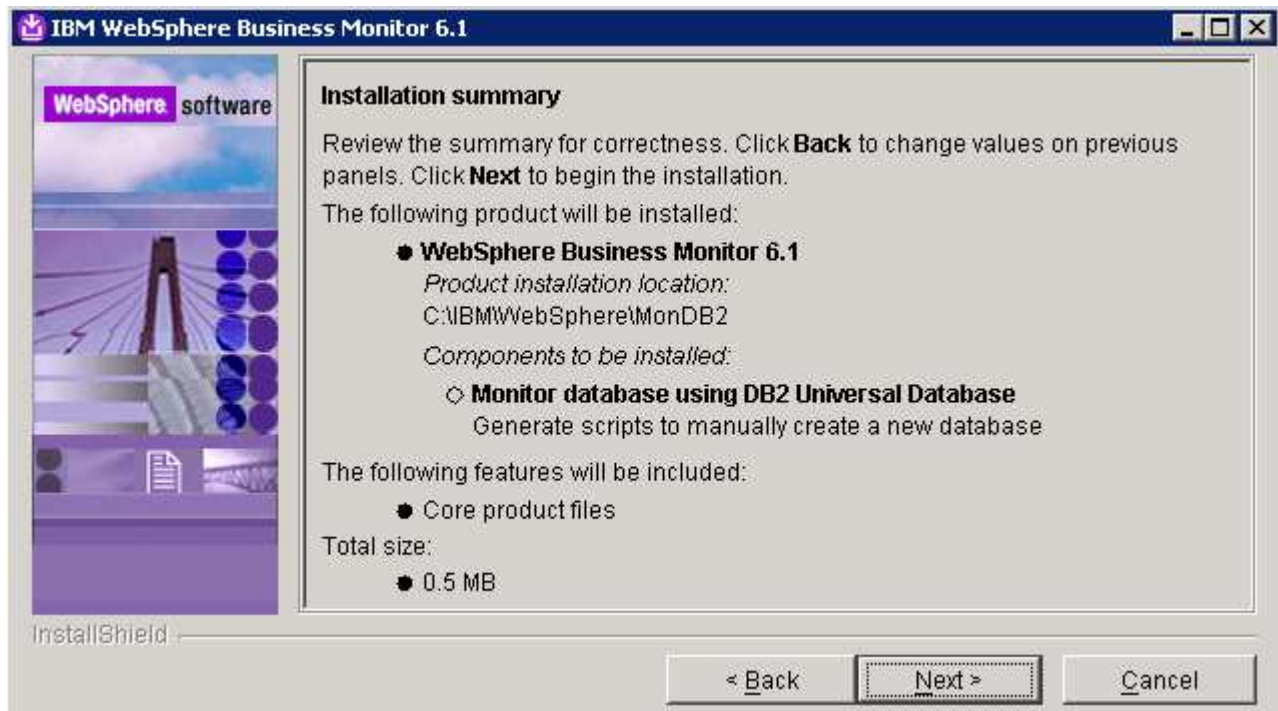
: **2809** (RMI port)



___ 6. Click **Next**

___ 7. Review the installation summary in the following panel

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

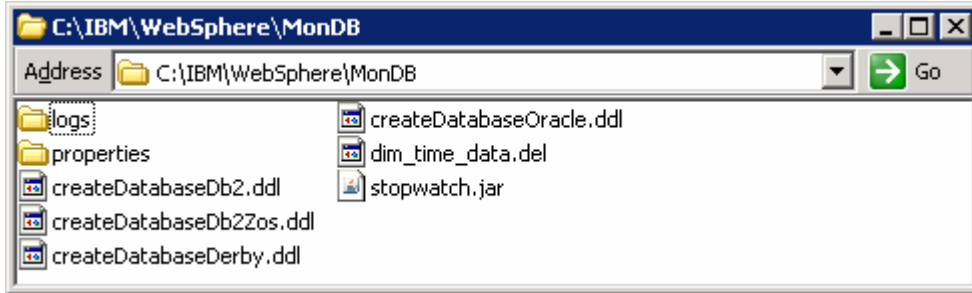


- ___ 8. Click **Next**.
- ___ 9. Review the **Installation results** summary and ensure the MONITOR database is successfully created



- ___ 10. Click **Finish**
- ___ 11. The MONITOR database scripts are located at **<WBM_DBSCRIPTS_LOCATION>** (Example: **C:\IBM\WebSphere\MonDB**). The only database script you are interested in is createDatabaseDb2.ddl

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

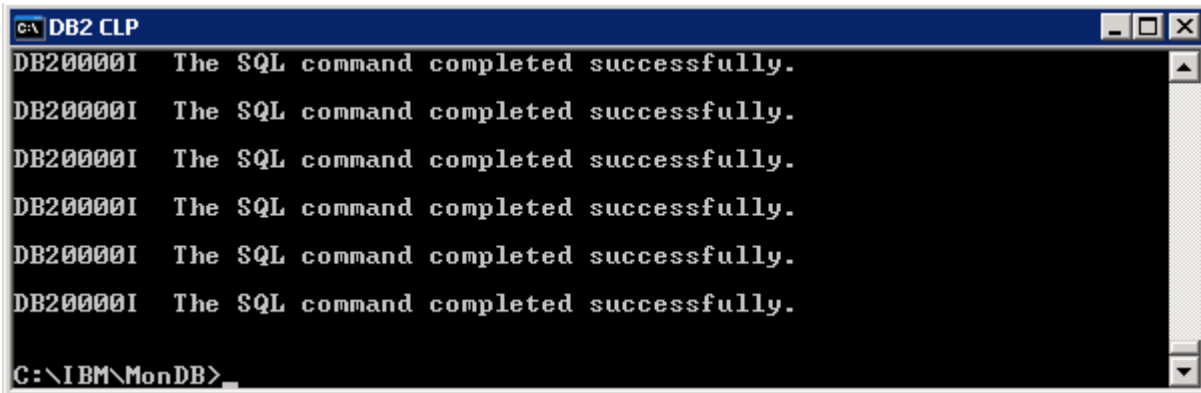


Note: Alternatively you can edit the **createDatabaseDb2.ddl** script and follow the instructions on how to create the MONITOR database manually.

___ 12. Open the DB2 command window from **Start → Programs → IBM DB2 → Command Line Tools → Command Window** and change the directory to **C:\IBM\WebSphere\MonDB**

___ 13. Run the **createDatabaseDb2.ddl** script using the following command:

- `db2 -tf createDatabaseDb2.ddl`



___ 14. Now restart the Monitor Server profile on machine one. To restart the Monitor Server profile, open a command window and change the directory to **<WBMONITOR_HOME>\bin** and run the following command if the WebSphere default security is enabled. You need not use the username and password parameters if the security is not enabled

- `stopServer.bat server1 -username was61admin -password was61admin` (if security is enabled)
- `startServer.bat server1`

___ 15. Close the command window

___ 16. Review the SystemOut.log file of the standalone monitor profile and ensure that there are no errors related to MONITOR database connection

___ 17. Also restart the WebSphere Portal Server on machine two. To restart the WebSphere Portal Server, open a command window and change directory to **<WP_PROFILE_HOME>\bin** and run the following command:

- `stopServer.bat WebSphere_Portal -username was602admin -password was602admin`
- `startServer.bat WebSphere_Portal`

What you did in this exercise

You obtained the Monitor 6.1 drivers and pre-requisites, extracted them to create an on-disk image making it easy for the Launchpad to run with an interruption. You used the InstallShield program to install the Monitor server and its components in a stand-alone environment on machine one, created the MONITOR database by manually running the database scripts on machine two, installed WebSphere Portal Server V6.0.1.1 and Portlet-based Dashboards with Alphablox on machine three.

Task 1: Install WebSphere Portal Server V6.0 and upgrade to V6.0.1.1

In this part of the lab, the WebSphere Portal Server V6.0 is installed and then upgraded to version 6.0.1.1 to meet the requirements of portlet-based dashboards installation. Obtain the WebSphere Portal Server V6.0 software and extract in such a way to create the correct on-disk structure for the Launchpad to run

- ___ 1. The following are the installation files needed to install the WebSphere Portal Server V6.0

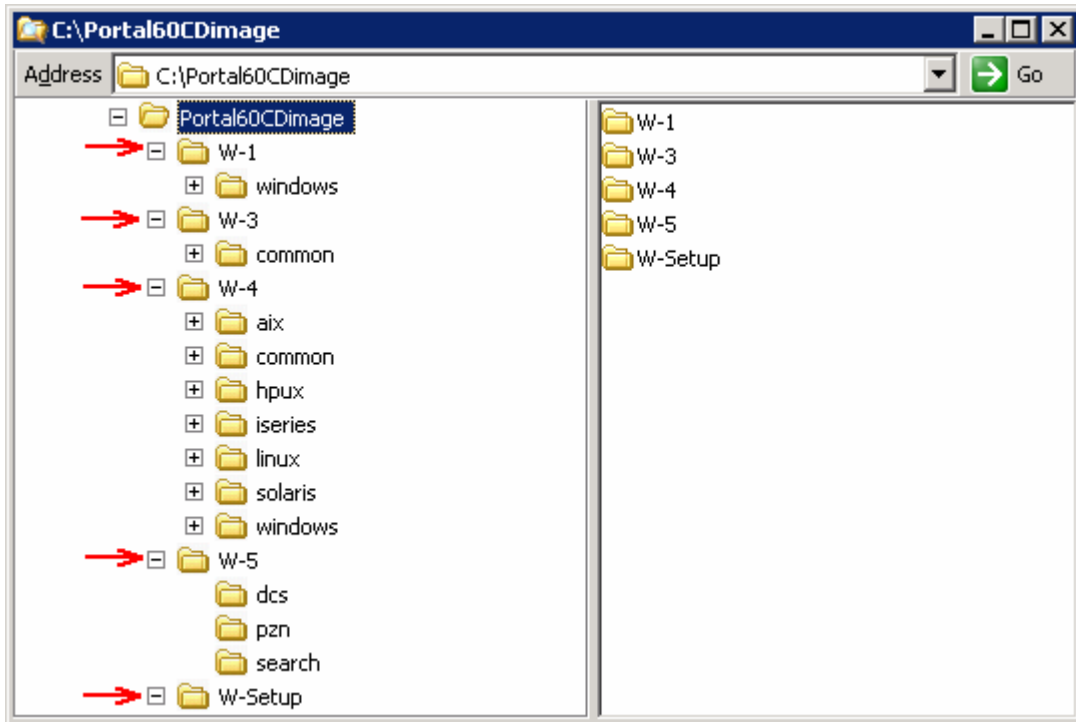
| Product name | File name |
|--------------------------------------|-------------|
| WebSphere Portal Server V6.0.0 Setup | W-Setup.zip |
| WebSphere Portal Server V6.0.0 CD 1 | W-1.zip |
| WebSphere Portal Server V6.0.0 CD 3 | W-3.zip |
| WebSphere Portal Server V6.0.0 CD 4 | W-4.zip |
| WebSphere Portal Server V6.0.0 CD 5 | W-5.zip |

- ___ 2. The following are the installation archives needed to update the WebSphere Portal Server V6.0 to version 6.0.1.1

| Product name | File name |
|---|---|
| WebSphere Application Server FP 6.0.2.17 Installer and FP17 | 6.0.2-WS-WAS-WinX32-FP00000017.zip |
| JDK FP21 | 6.0.2-WS-WASJavaSDK-WinX32-FP00000021.zip |
| Portal FP 6.0.1.1 Installer | PortalUpdateInstallerWIN.zip |
| FP 6.0.1.1 | WP_PTF_6011.jar |

- ___ a. 6.0.2-WS-WAS-WinX32-FP00000017.zip (updates WebSphere Application Server V6.0.2.9 base. Includes WebSphere Application Server update installer)
- ___ b. 6.0.2-WS-WASJavaSDK-WinX32-FP00000021.zip (updates Java SDK)
- ___ c. WP_PTF_6011.jar (updates WebSphere Portal Server to version 6.0.1.1)
- ___ d. PortalUpdateInstallerWIN.zip (update installer for WebSphere Portal Server)
- ___ 3. Download the Portal installation archives to a directory for example : C:\Portal60Driver\
 ___ a. Extract the WebSphere Portal Server installation archives into a directory named for example, C:\Portal60CDImage\ to create an on-disk image and confirm that the directory structure was extracted correctly. It should appear similar to the picture shown below:

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

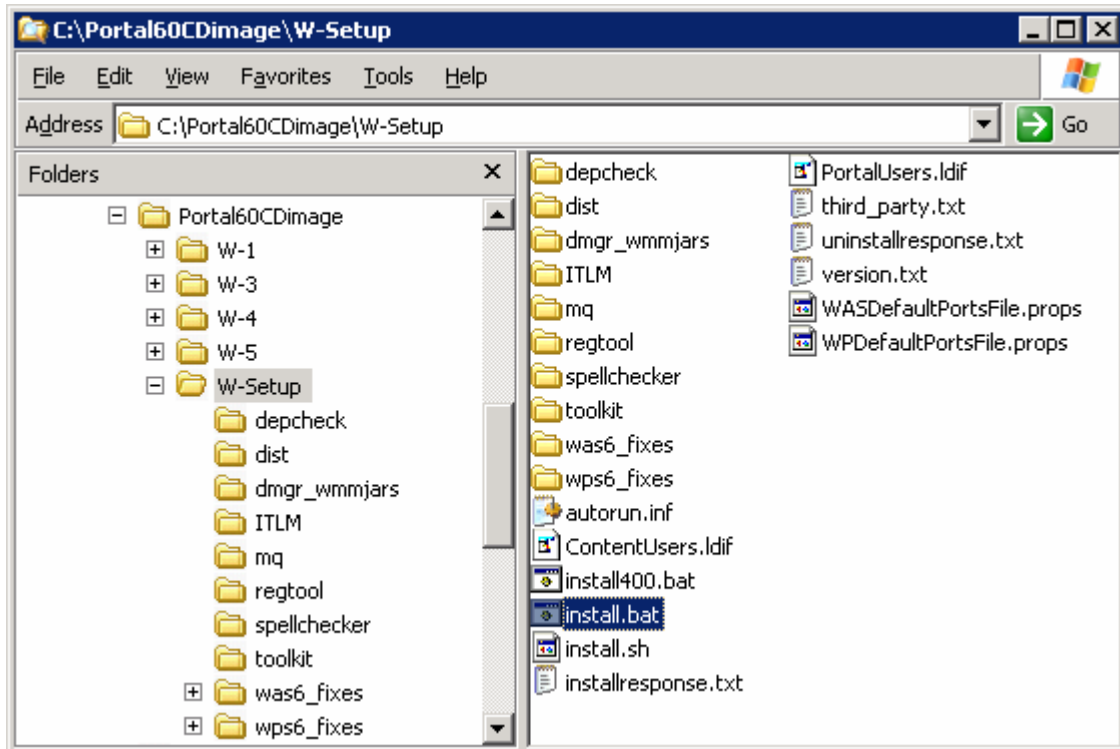


Follow the instructions below to complete the WebSphere Portal Server V6.0 installation:

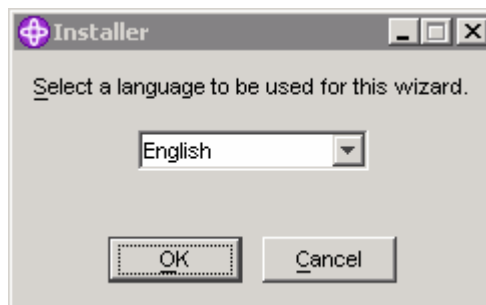


4. From the directory where the WebSphere Portal Server V6.0 installation archives are extracted (Example:- **C:\Portal60CDimage**), navigate to the **W-Setup** directory and double click on **install.bat** to launch the Portal launchpad program

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

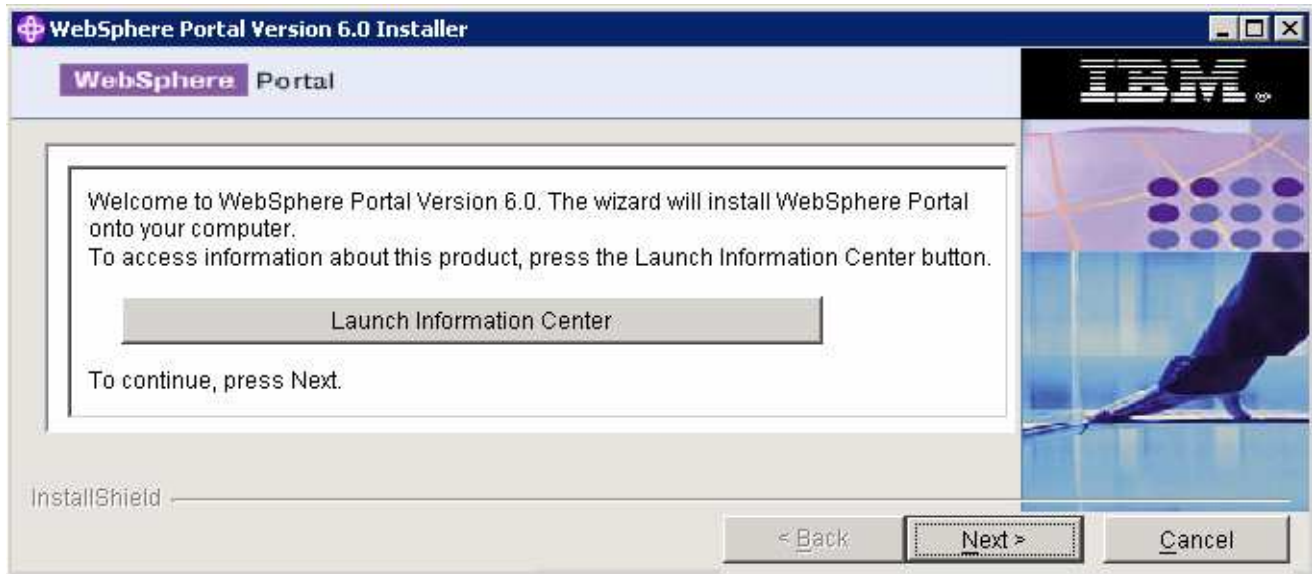


___ 5. Select the language as **English** or the language you want from the drop down list

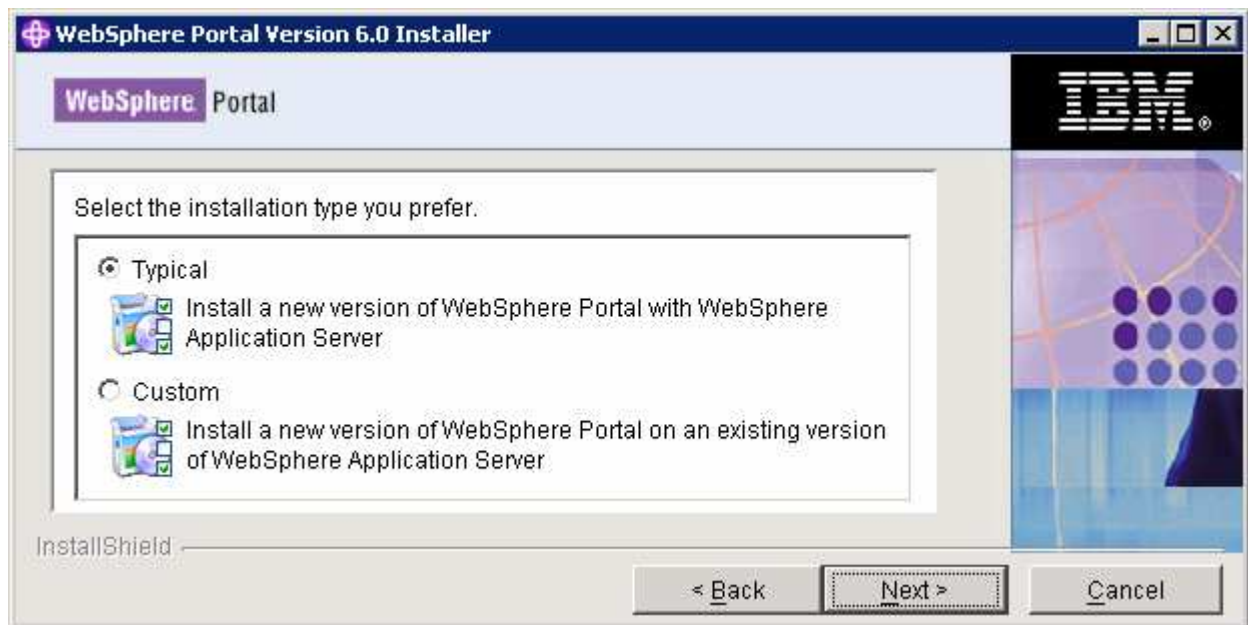


___ 6. Click **OK**. The WebSphere Portal Server V6.0 Installer wizard is launched

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

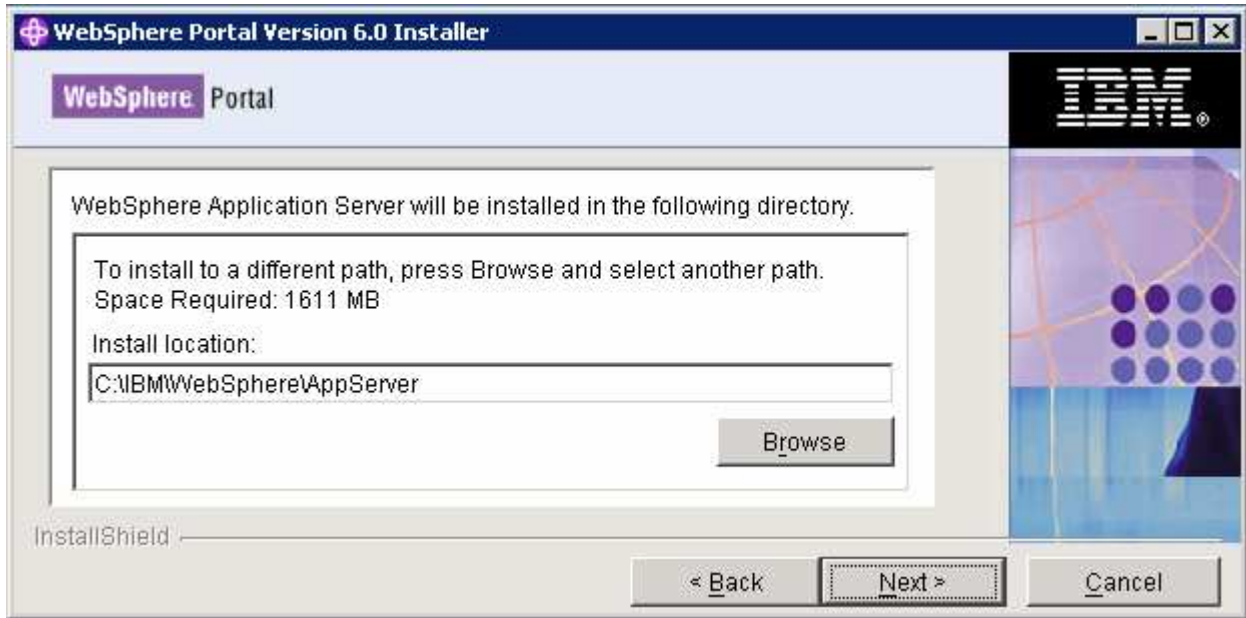


- ___ 7. Click **Next**
- ___ 8. In the following panel, read the license agreement. If you agree to the terms, select the radio button for **'I accept both the IBM and the non-IBM terms'**
- ___ 9. Click **Next**
- ___ 10. In the following panel, ensure that the radio button for **Typical** is selected



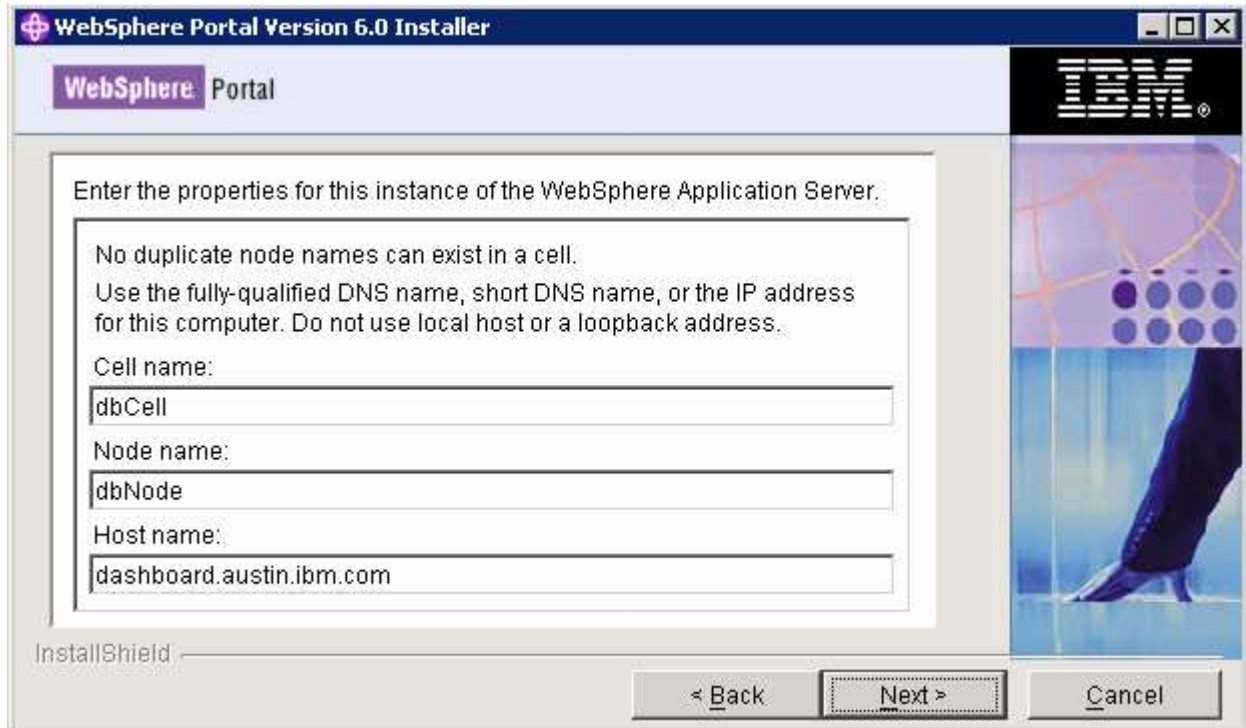
- ___ 11. In the following panel, click the **Browse** button and specify a different directory for the WebSphere Application Server **'Install location'**
 - ___ a. Install location : **C:\IBM\WebSphere\AppServer**

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE



- ___ 12. Click **Next**
- ___ 13. In the following panel, set the cell name, node name and the host name
 - ___ a. Cell Name : **dbCell**
 - ___ b. Node Name : **dbNode**
 - ___ c. Host Name : **< fully qualified host name of the machine >**

Example: dashboard.austin.ibm.com



IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

- ___ 14. Click **Next**
- ___ 15. In the following panel, enter the administrative User ID and Password for the WebSphere Application Server V6.0.2
 - ___ a. User ID : **was602admin**
 - ___ b. Password : **was602admin**
 - ___ a. Confirm Password : **was602admin**



- ___ 16. Click **Next**
- ___ 17. In the following panel, select the radio button for '**Do not install WebSphere Process Server**'

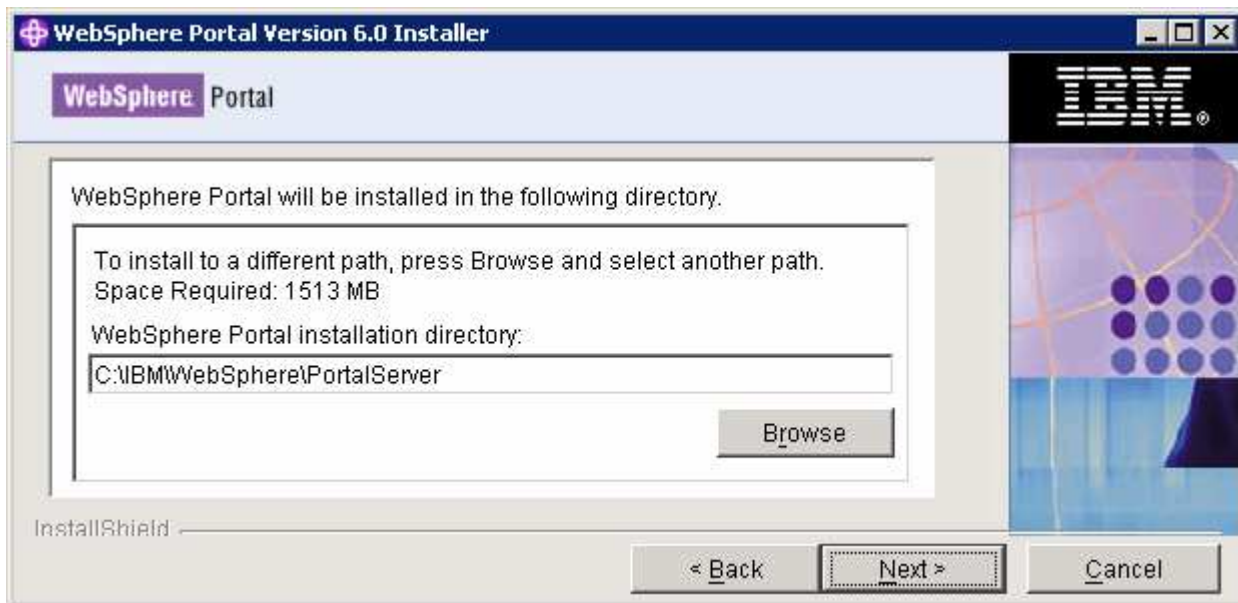
IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE



___ 18. Click **Next**

___ 19. In the following panel, accept the default **'WebSphere Portal Installation directory'**

___ a. WebSphere Portal Installation directory : **C:\IBM\WebSphere\PortalServer**



___ 20. Click **Next**

___ 21. In the following panel, enter the administrative User ID and Password for the WebSphere Portal Server

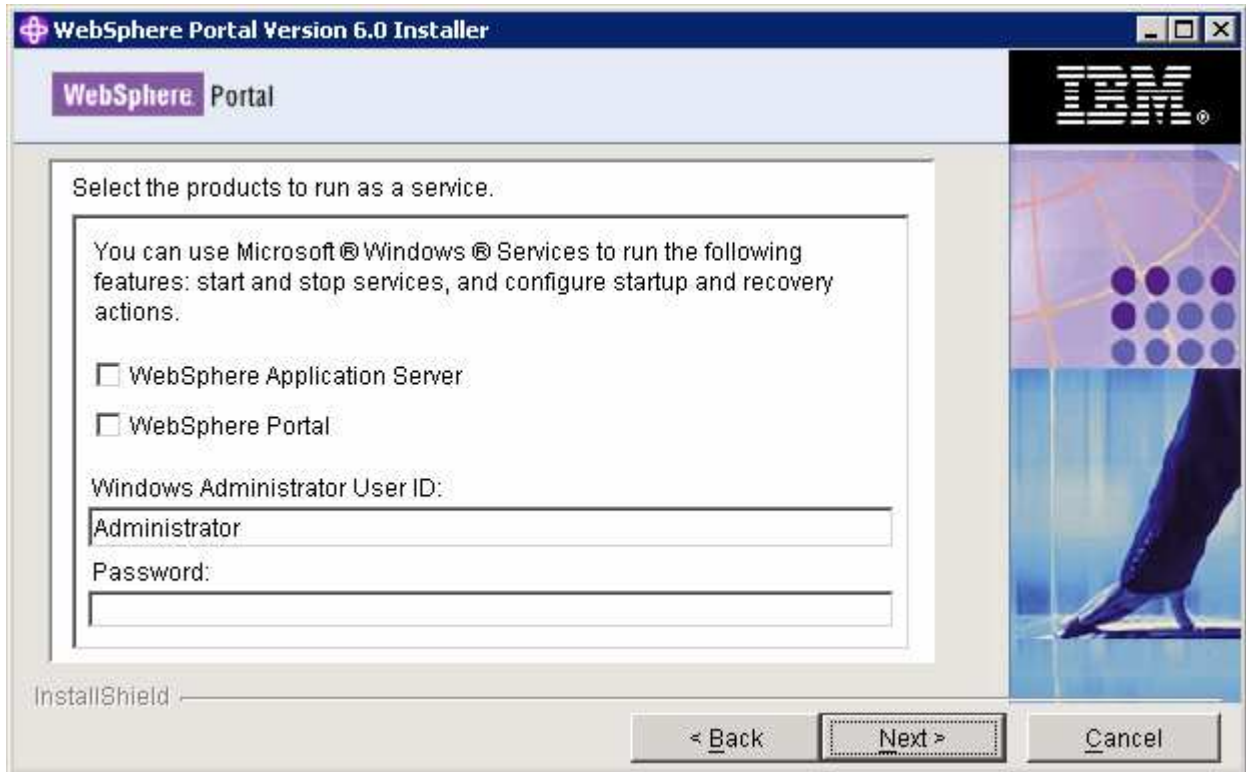
IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

- ___ a. User ID : **wpsadmin**
- ___ b. Password : **wpsadmin**
- ___ a. Confirm Password : **wpsadmin**



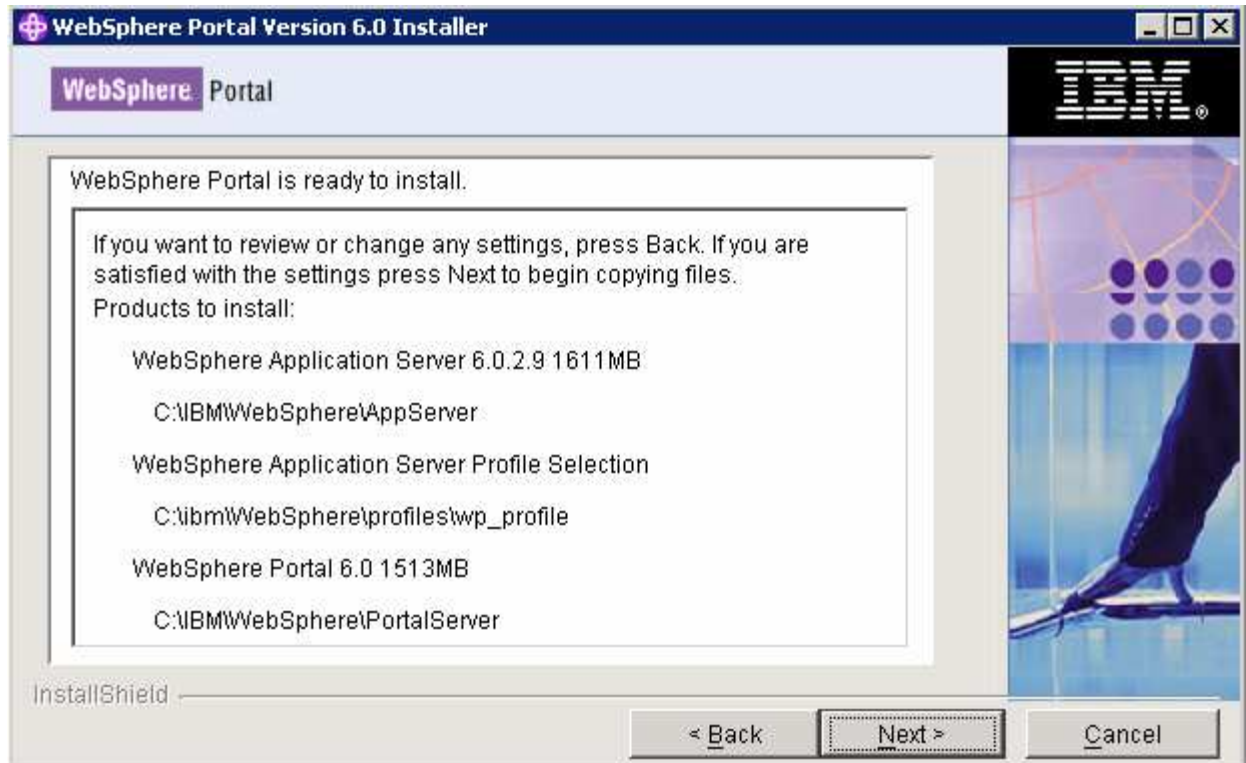
- ___ 22. Click **Next**
- ___ 23. In the following panel, do not select any products listed to run as a Windows service. Accept the defaults

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE



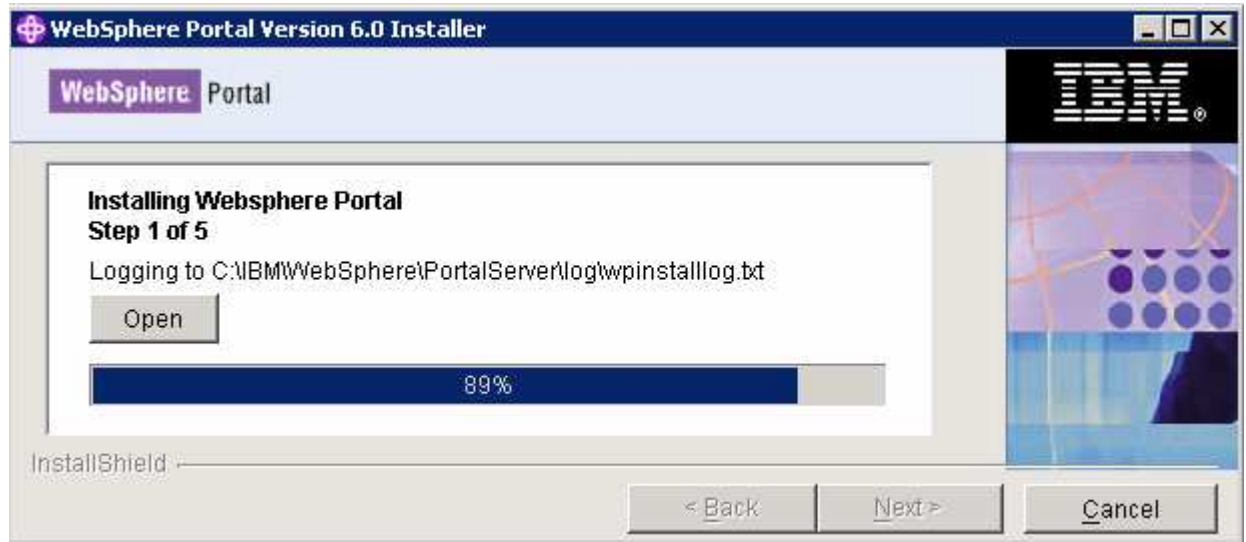
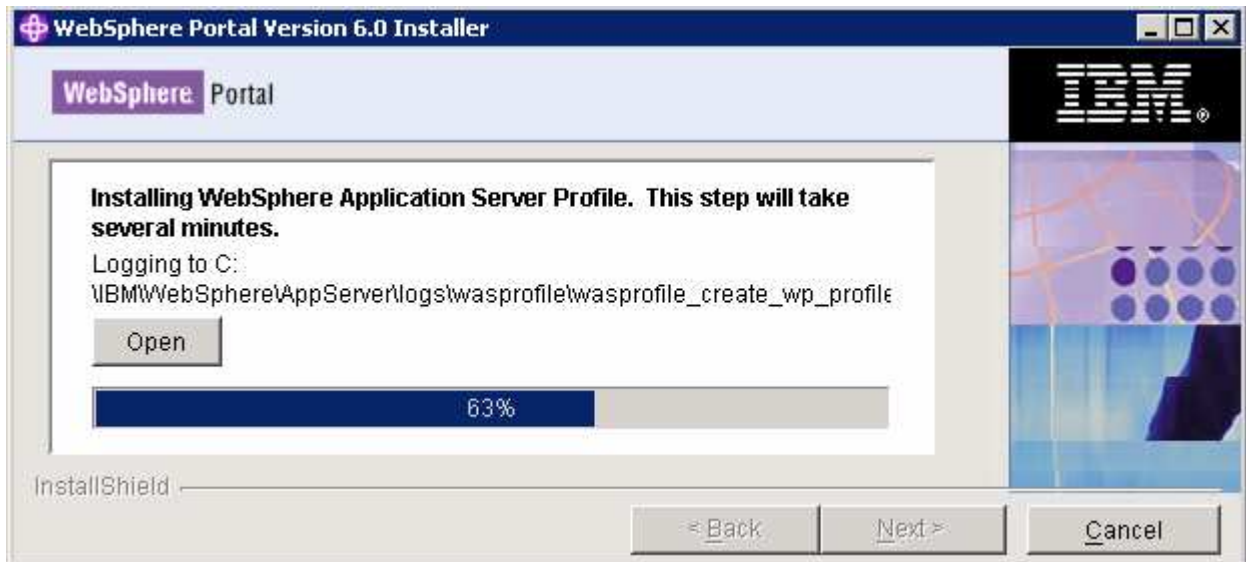
___ 24. Click **Next**

___ 25. Review the installation **Summary** in the following panel

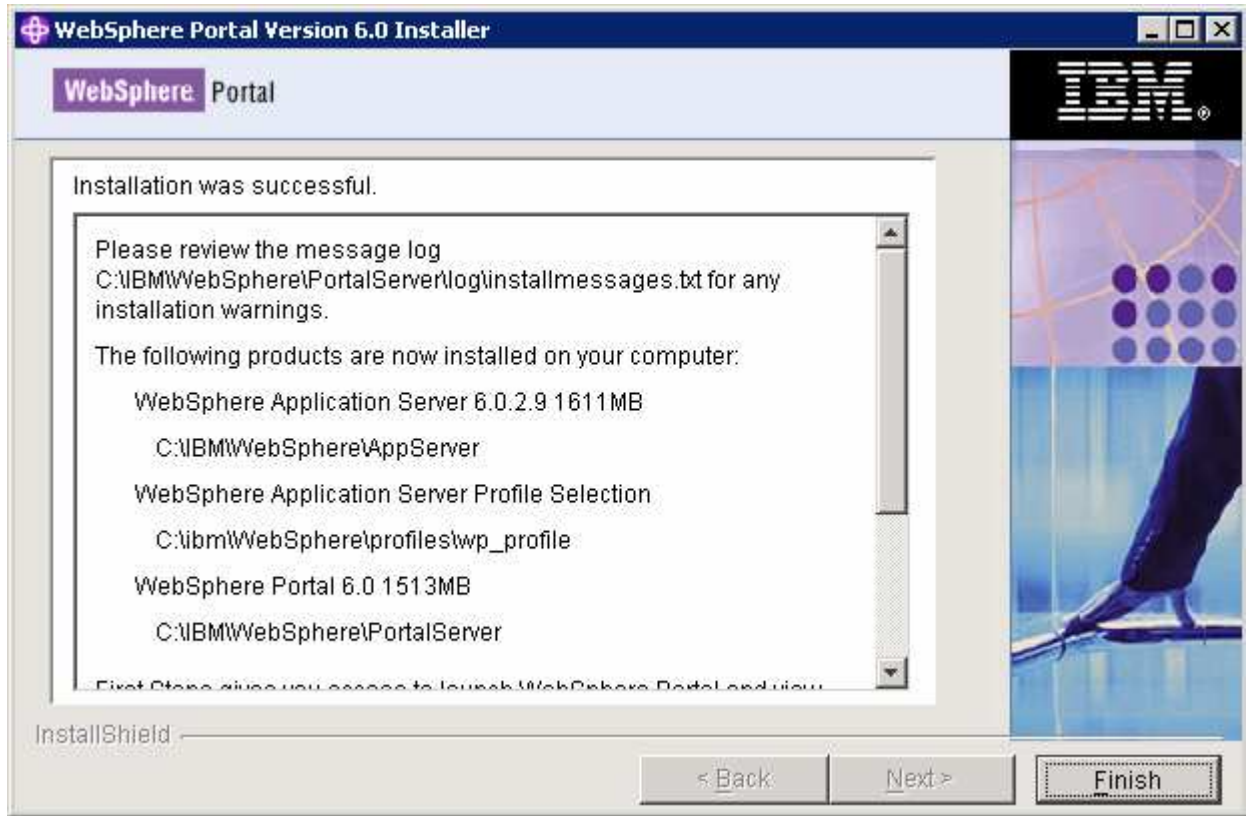


IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

- ___ 26. Click **Next**
- ___ 27. The installation progresses with WebSphere Application Server, creates a WebSphere Application Server profile and eventually installs WebSphere Portal Server



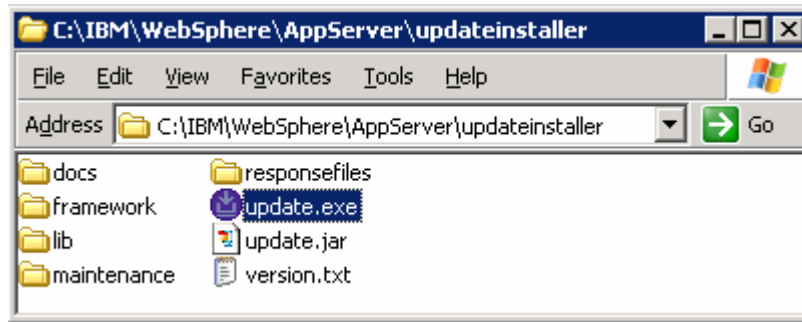
IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE



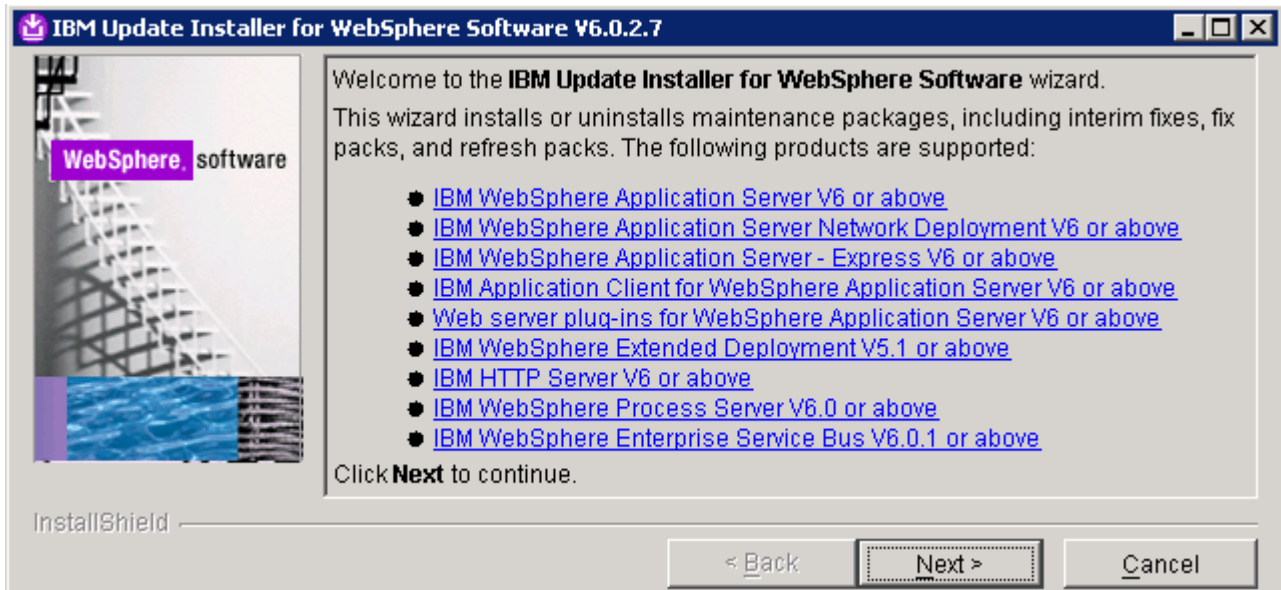
____ 28. Click **Finish**

I. Updating WebSphere Application Server V6.0.2.9 base to V6.0.2.17

- ___ 1. Stop the WebSphere Application Server and the Portal Server
- ___ 2. Obtain the WebSphere Application Server V6.0.2 Fix Pack 17 and the update installer
 - ___ a. 6.0.2-WS-WAS-WinX32-FP00000017.zip (This archive includes both the fix pack and the update installer)
 - ___ b. 6.0.2-WS-WASJavaSDK-WinX32-FP00000021.zip (updates WebSphere Application Server Java SDK)
- ___ 3. Navigate to the <WAS602_HOME> directory and remove the contents of the **updateinstaller** directory. Where as <WAS602_HOME> is the path of the WebSphere Application Server installation
 - <WAS602_HOME> : C:\IBM\WebSphere\AppServer
- ___ 4. Unpack the **6.0.2-WS-WAS-WinX32-FP00000017.zip** file into the <WAS602_HOME>\updateinstaller directory. The unpacked **6.0.2-WS-WAS-WinX32-FP00000017.zip** file to the **updateinstaller** directory should look like the picture shown below:

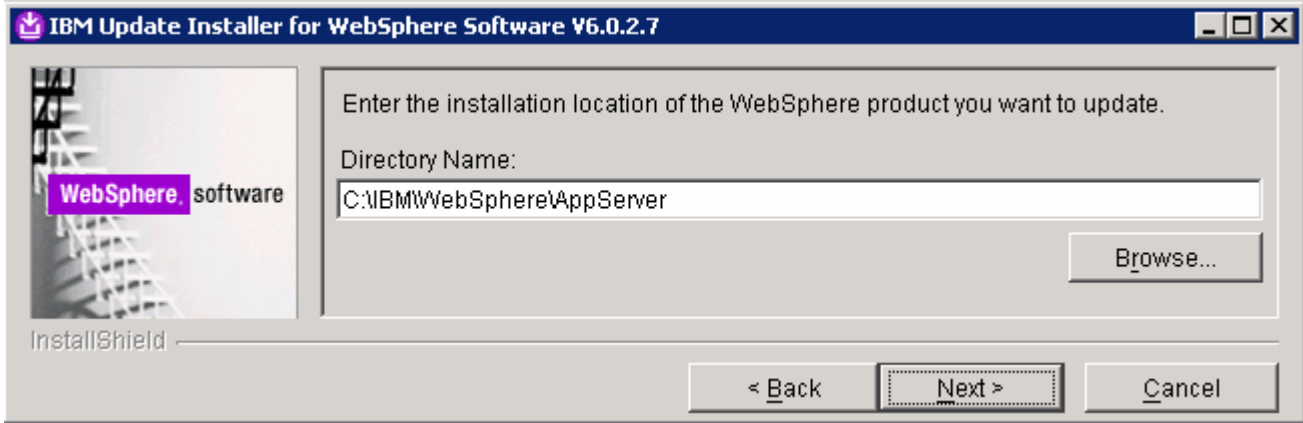


- ___ 5. Navigate to the <WAS602_HOME>\updateinstaller and double click **update.exe** to launch the WebSphere Application Server update installer wizard
- ___ 6. Read the instructions on the update installer **Welcome** screen

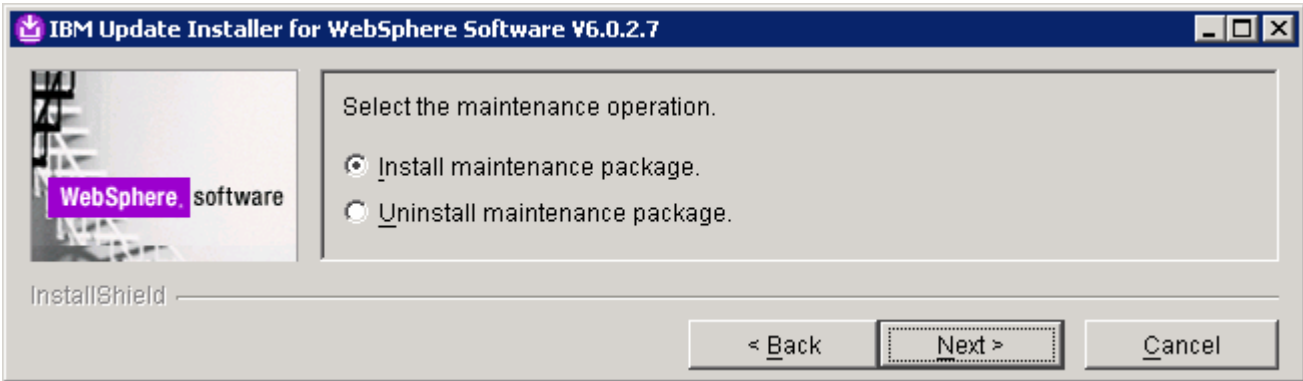


IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

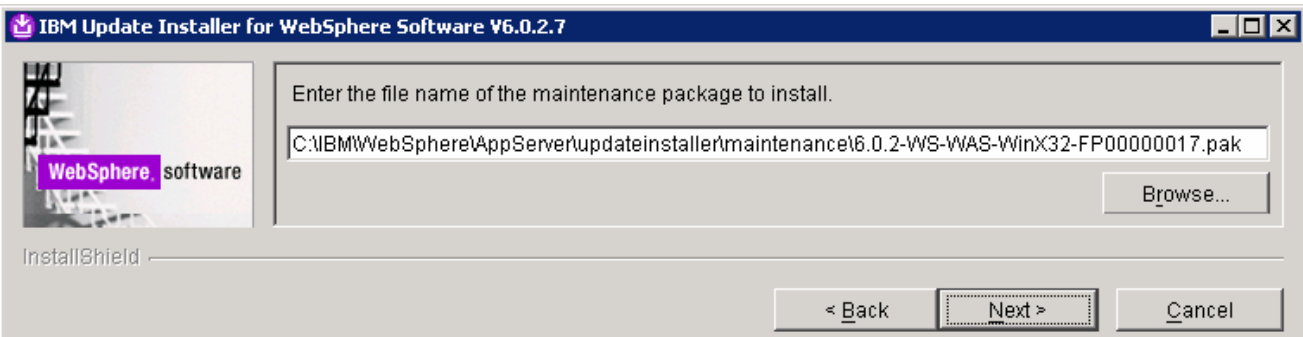
- ___ 7. Click **Next**
- ___ 8. In the following panel, ensure the WebSphere Application Server V6.0.2.9 location is set to **<WAS602_HOME>**. Click the browse button to set the correct location
 - ___ a. Directory Name : **C:\WebSphre\AppServer**



- ___ 9. Click **Next**
- ___ 10. In the following panel, select the radio button for '**Install maintenance package**'



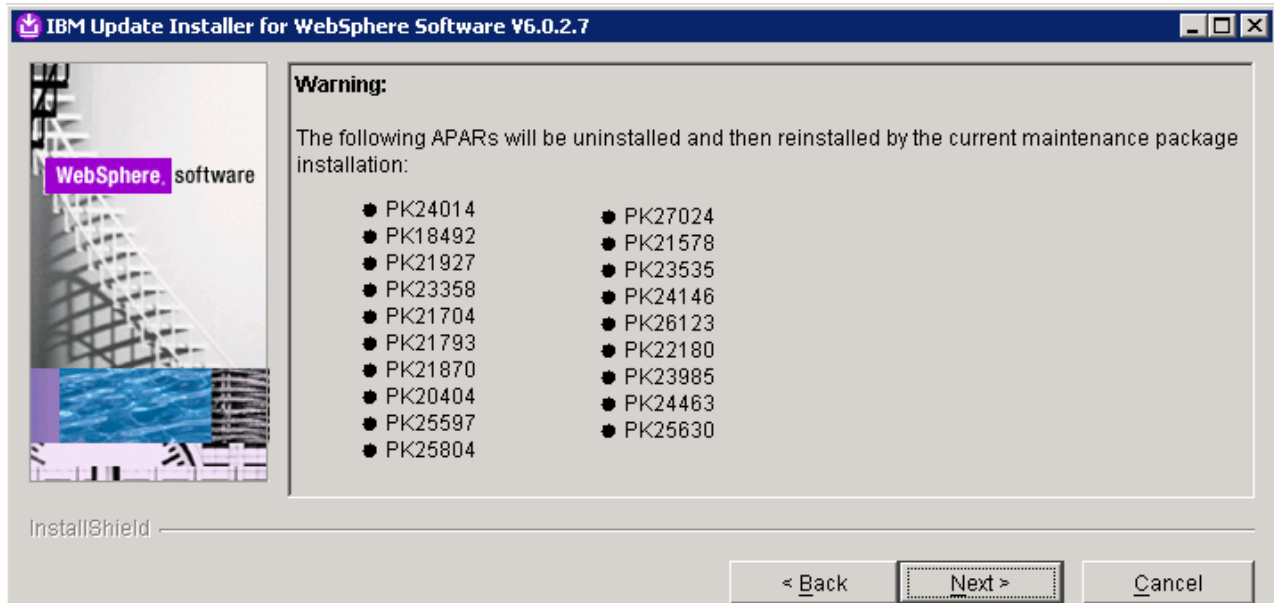
- ___ 11. Click **Next**
- ___ 12. In the following panel, click the **Browse** button and navigate to the **maintenance** directory to locate the **6.0.2-WS-WAS-WinX32-FP00000017.pak** file
 - ___ a. Maintenance package location: **<WAS602_HOME>\updateinstaller\maintenance**



IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

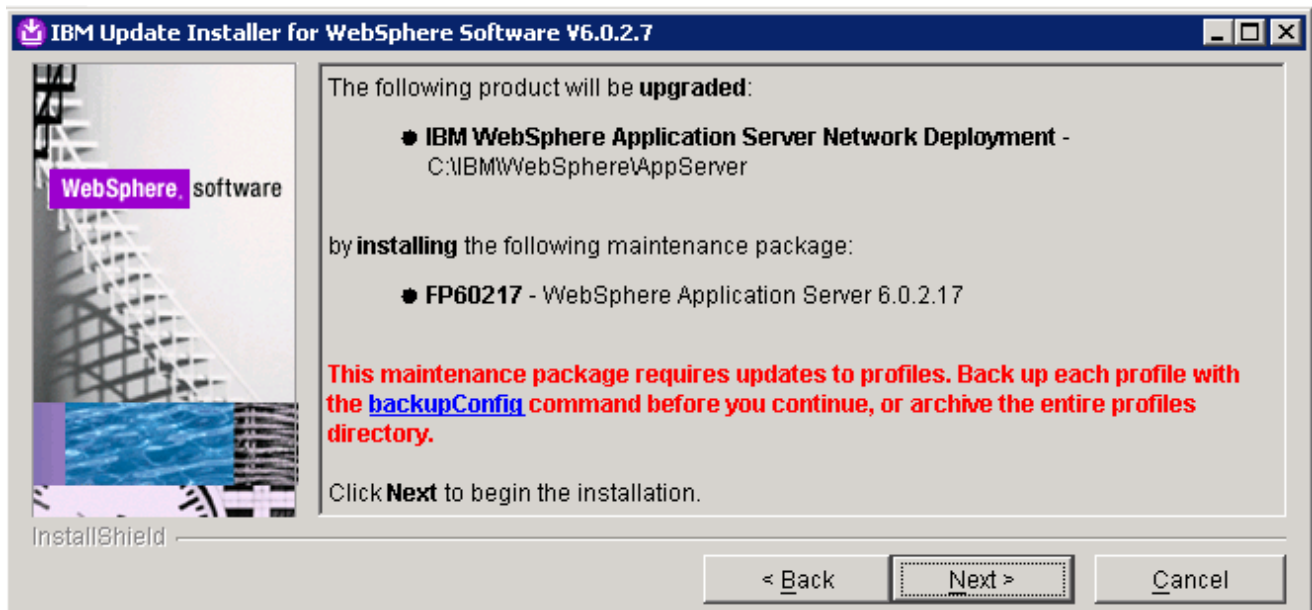
___ 13. Click **Next**

___ 14. In the following panel, read the **Warning**



___ 15. Click **Next**

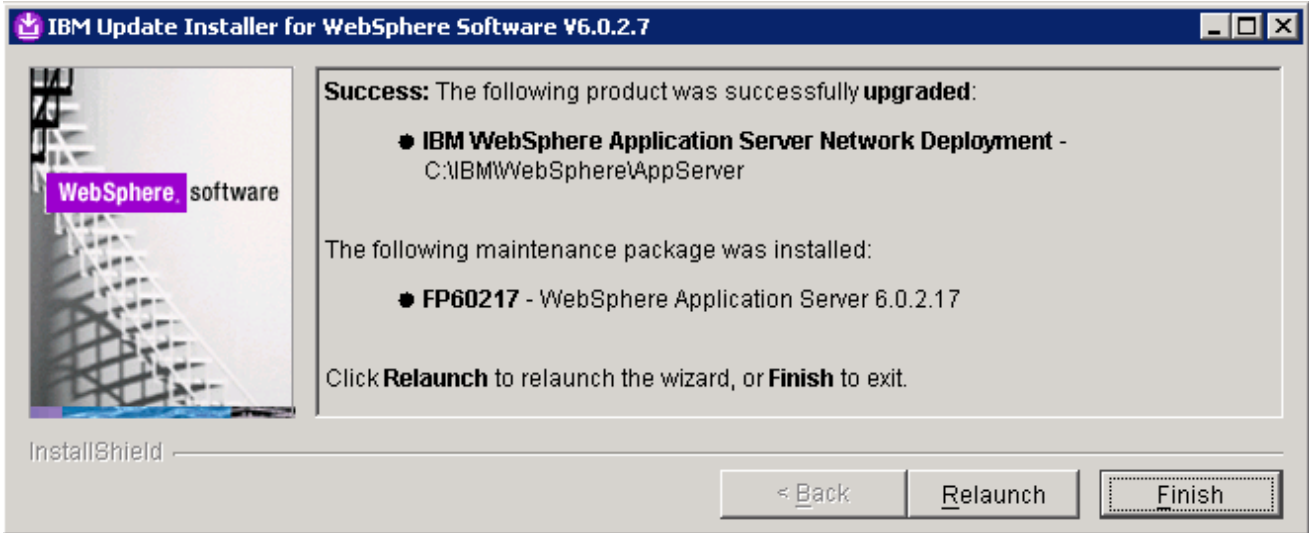
___ 16. Review the fix pack installation summary in the following panel



___ 17. Click **Next** to continue with the installation

___ 18. The installation progresses and takes a few minutes

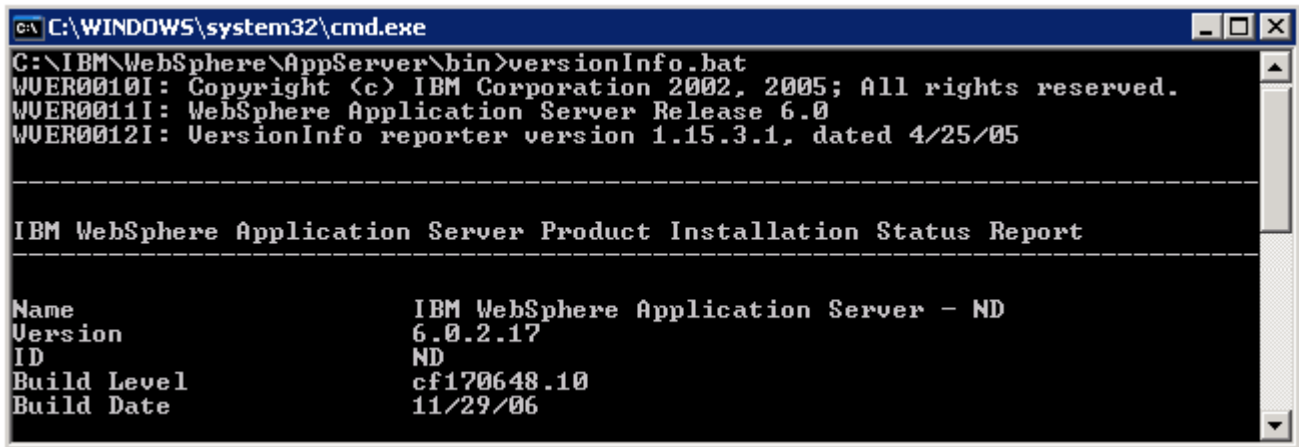
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___ 19. Click **Finish** once the installation is complete

Note: To investigate the update logs: `<WAS602_HOME>/logs/update`. A directory named after the fix pack (Example: `6.0.2-WS-WAS-WinX32-FP00000017-Operation`) is created under the `update` directory.

___ 20. Open a command line window and change directory to `<WAS60_HOME>bin` and run the `versionInfo` command. Ensure that the WebSphere Application Server V6.0.2.9 is upgraded to version 6.0.2.17. Look for the following message traced as a result of the `versionInfo` command



___ 21. Close the command line window

___ 22. Now update the WebSphere Application Server V6.0.2.17 with SDK Fix Pack 21. Copy the `6.0.2-WS-WASJavaSDK-WinX32-FP00000021.zip` file to the `maintenance` directory (`<WAS602_HOME>updateinstaller\maintenance`)



IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

- ___ 23. Navigate to the **<WAS602_HOME>\updateinstaller** and double click **update.exe** to launch the WebSphere Application Server update installer wizard
- ___ 24. Read the instruction on the update installer **Welcome** screen and Click **Next**
- ___ 25. In the following panel, ensure the WebSphere Application Server V6.0.2.17 location is set to **<WAS602_HOME>**. Click the browse button to set the correct location
 - ___ a. Directory Name : **C:\WebSphre\AppServer**
- ___ 26. Click **Next**
- ___ 27. In the following panel, select the radio button next to “**Install maintenance package**” and click **Next**
- ___ 28. In the following panel, click the **Browse** button and navigate to the **maintenance** directory to locate the **6.0.2-WS-WASJavaSDK-WinX32-FP00000021.zip** file
 - ___ a. Maintenance package location: **<WAS602_HOME>\updateinstaller\maintenance**
- ___ 29. Click **Next**
- ___ 30. Review the fix pack installation summary in the following panel and click **Next**
- ___ 31. This action copies a new JVM to the current WebSphere Application server home directory. Click the **Relaunch** button and follow the instructions to install the WebSphere Application Server SDK
- ___ 32. Click **Finish** once the installation is complete

2. Updating WebSphere Portal Server V6.0 with fix pack 6.0.1.1

Prerequisites:-

- Perform the following steps to change the timeout request for the Simple Object Access Protocol (SOAP) client; the default value is 180 seconds:
 - Open a command prompt and change to the `<WP_PROFILE_HOME>/properties` directory
 - Edit the `soap.client.props` file; change the timeout request line to `com.ibm.SOAP.requestTimeout=6000`
 - Save your changes
- Perform the following steps to change the HTTP connection timeout value for the **WebSphere_Portal** server:
 - Click **Servers** → **Application Servers** → **WebSphere_Portal** → **Web container settings** → **Web container transport chains** → **WCInboundDefault**
 - Increase the timeout values for each entry listed in the Web container transport chains section. Click **HTTP Inbound Channel** and make the following changes:
 - Read timeout value to 180
 - Write timeout value to 180
 - Save your changes

____ 1. Stop the WebSphere Application Server and the Portal Server

Note: Portal Update Installer wizard reads the **PortalAdminPwd** and **WasPassword** variables in the **wpconfig.properties** located in `<PORTAL_HOME>\config` directory. Edit the file and update the Portal Administrative user password and the WebSphere Application Server Administrative user password

____ 2. Obtain the WebSphere Portal Server V6.0 Fix Pack 6.0.1.1 and the Portal update installer

__ a. PortalUpdateInstallerWIN.zip (Portal Update Installer)

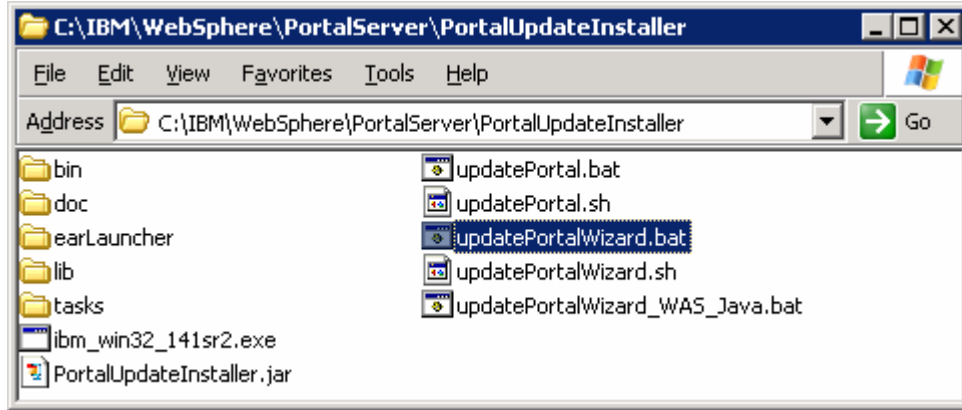
__ b. WP_PTF_6011.jar (WebSphere Portal Server cumulative fix pack)

____ 3. Create a directory named **PortalUpdateInstaller** under the `<PORTAL_HOME>` directory. The `<PORTAL_HOME>` is the path of the WebSphere Portal Server

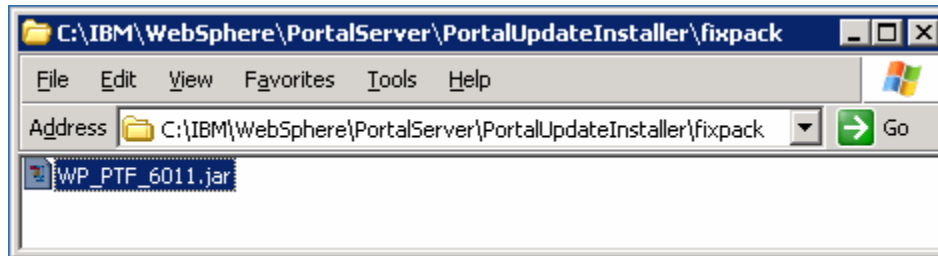
- `<PORTAL_HOME>` : C:\IBM\WebSphere\PortalServer

____ 4. Unpack **PortalUpdateInstallerWIN.zip** file into the `<PORTAL_HOME>\PortalUpdateInstaller` folder. . The unpacked **PortalUpdateInstallerWIN.zip** file to the **PortalUpdateInstaller** should look like the picture shown below:

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5. Create a directory named **fixpack** in the **PortalUpdateInstaller** directory and copy the WP_PTF_6011.jar into it as shown below:



6. Open a command line window and change directory to **<WAS602_HOME>\bin** directory. Run the **setupCmdLine.bat** command
7. Navigate to the **<PORTAL_HOME>\PortalUpdateInstaller** and double click the **updatePortalWizard.bat** script to launch the WebSphere Portal Server update installer wizard
8. Select the language as **English** or the language you want to from the drop down list
9. Click **OK**. The WebSphere Portal Server Update Installer Wizard opens
10. Read the instructions carefully in the **Welcome** screen

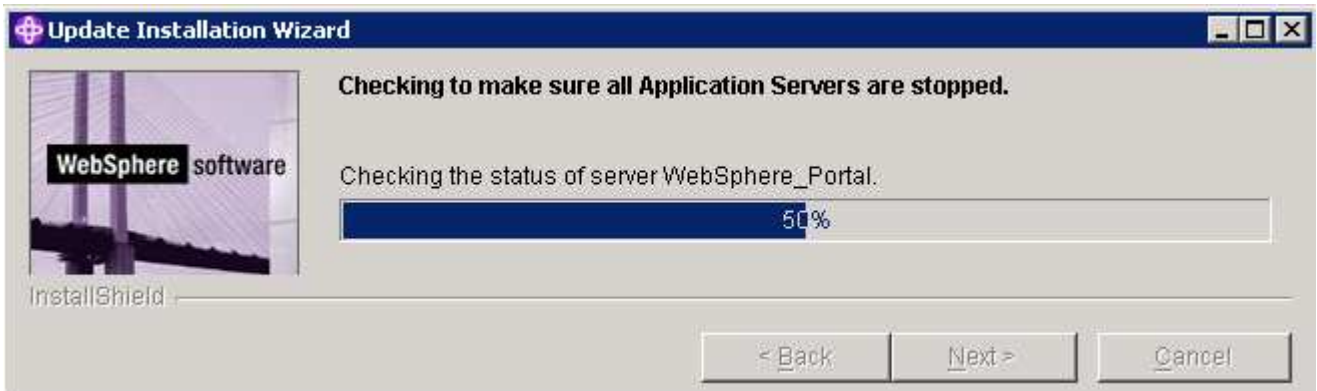


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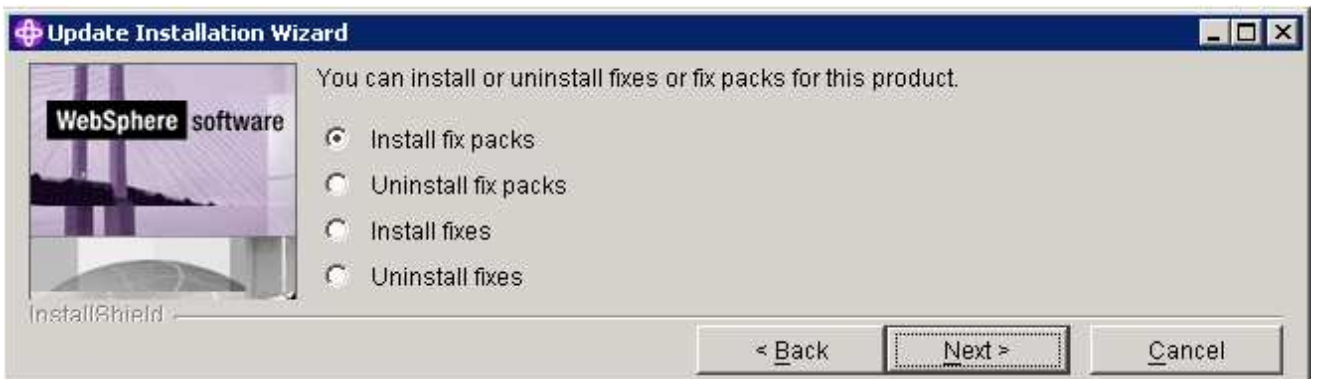
- ___ 11. Click **Next**
- ___ 12. The Portal Update Installer wizard detects the WebSphere Portal Server instances installed on the machine and lists them. Select the desired Portal installation you like to upgrade in the following panel



- ___ 13. Click **Next**
- ___ 14. The Portal Update Installer wizard checks the status of the WebSphere Application Server and the WebSphere Portal Server

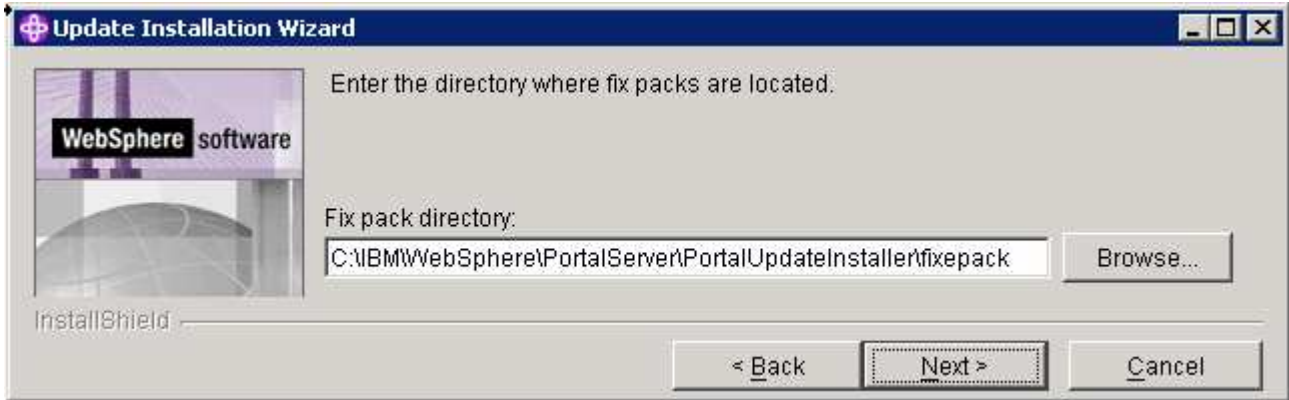


- ___ 15. In the following panel, select the radio button for '**Install fix packs**'

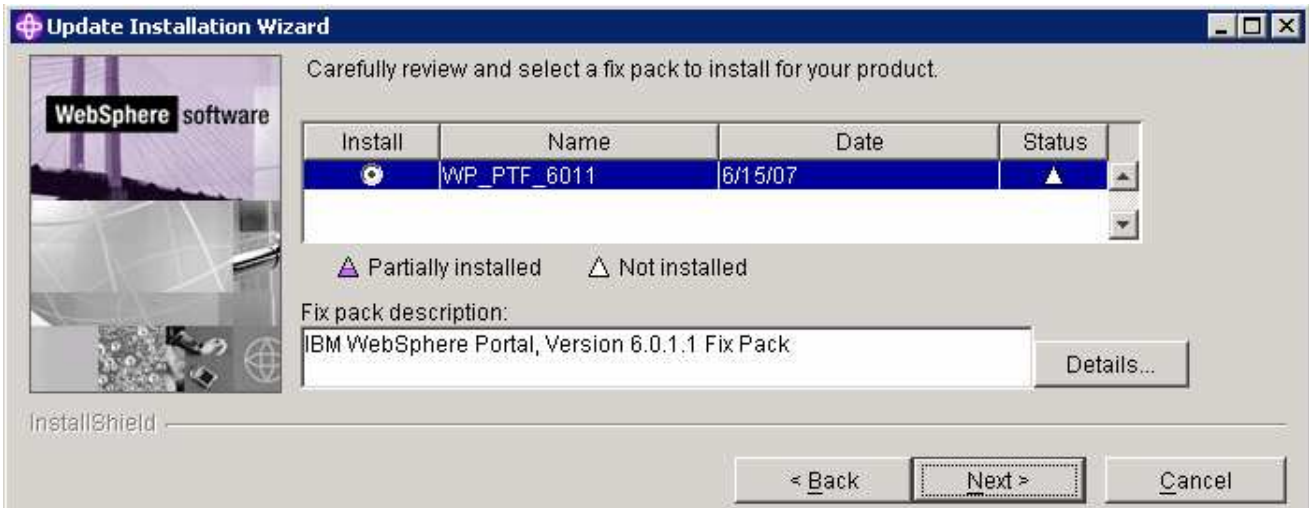


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- ___ 16. Click **Next**
- ___ 17. In the following panel, click the **Browse** button and navigate to the **fixpack** directory to locate the file
 - ___ a. Fix pack directory : <PORTAL_HOME>\PortalUpdateInstaller\fixpack

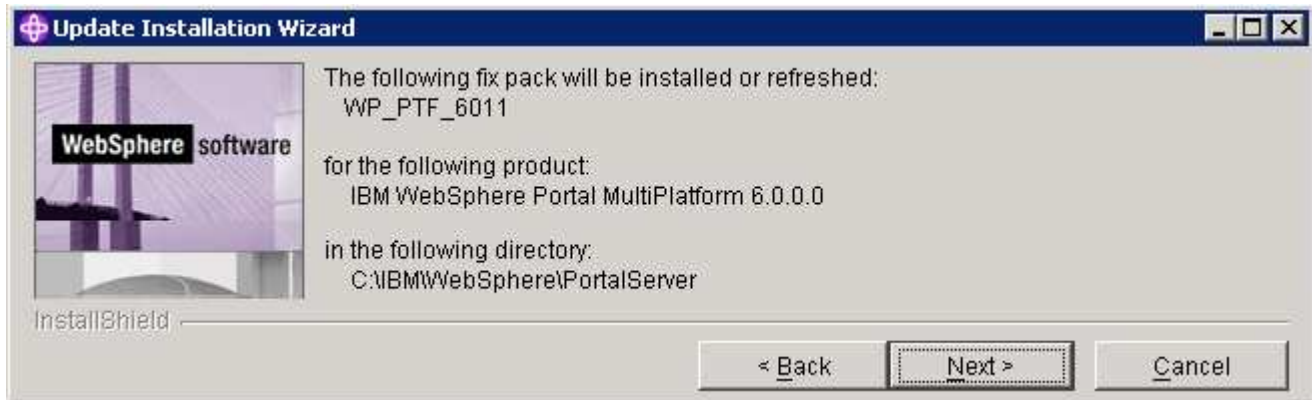


- ___ 18. Click **Next**
- ___ 19. In the following panel, the Portal Update Installer lists the fix packs loaded from the **fixpack** directory. Select the radio button next to **WP_PTF_601**

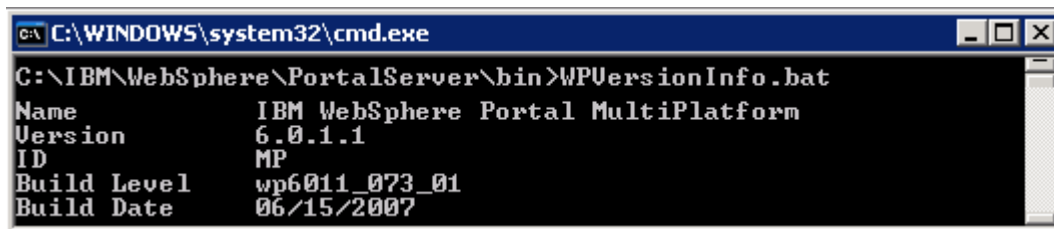


- ___ 20. Click **Next**
- ___ 21. In the following panel, review the Portal fix pack installation summary

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE



- ___ 22. Click **Next**
- ___ 23. The Portal fix pack installation progresses and takes a few minutes to complete
- ___ 24. Click **Finish** when the installation is complete
- ___ 25. Verify the version of the Portal Server installation
 - ___ c. Open a command window and change directory to **<PORTAL_HOME>\bin** and run the following command:
 - **WPVersionInfo.bat**



Task 2: Deploy human tasks Monitor model and configure connections for Web-based dashboards

If you skipped the model deployment during the monitor server installation, you can manually deploy the Human Tasks Monitor model and configure connections for Web-based dashboards to communicate with the WebSphere Process Server. The following instructions must be completed on the monitor server machine.

To manually install the Human Tasks Monitor model, follow the instructions below:

- ___ 1. Start the monitor server profile and launch the WebSphere Application Server administrative console. (Example: <http://localhost:9060/admin>) enter the username and password and log on.
- ___ 2. In the left pane, expand **Application** and click the **Enterprise Applications** link.
- ___ 3. Click the **Install** button
- ___ 4. Select the **Local file system** and click the **Browse** button
- ___ 5. Navigate to the folder that contains the .ear file at **<WAS61_HOME>\installableApps.wbm\monitorModels** and the select **GlobalHTMMAplication.ear** file, click **Open**
- ___ 6. Select the radio button for 'Prompt me only when additional information is required'
- ___ 7. Click **Next** and accept the defaults for all the panels until you reach the **Summary** panel
- ___ 8. Click **Finish**
- ___ 9. Save to the master configuration

Now configure the Business Process Choreographer connection information manually for Web-based dashboards. Complete the following steps:

- ___ 10. In the left pane, expand **Application Servers** and click the 'server1' link to the right
- ___ 11. Expand '**Java and Process Management**' and click the '**Process Definition**' link
- ___ 12. Click on '**Java Virtual Machine**' under 'Additional Properties'
- ___ 13. Click on '**Custom Properties**' under 'Additional Properties'
- ___ 14. Click the **New** button
- ___ 15. Enter the **Value** following values
 - ___ a. Name : **DashboardBPCHost**
 - ___ b. Value : <fully qualified host name of the WebSphere Process server>

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

General Properties

* Name
DashboardBPCHost

* Value
procserver.austin.ibm.com

Description

Apply Reset Cancel

___ 16. Click **OK**

___ 17. Now click the New button again 'link

___ 18. Enter the following values:

__ a. Name : **DashboardBPCRMIPort**

__ b. Port : < RMI port of the WebSphere Process Server> (default is 2809)

General Properties

* Name
DashboardBPCRMIPort

* Value
2809

Description

Apply Reset Cancel

___ 19. Click **OK**

___ 20. Save the changes to the master configuration

___ 21. Restart the server for the changes to occur

Task 3: Human Tasks Configuration for portlet-based dashboards

If the WebSphere Process Server information was not readily available during the portlet-based dashboards installation to configure connections, you can manually set connection information for Business Process Choreographer. The following instructions must be completed on the portlet-based dashboards machine.

To post-configure the connections manually for portlet based dashboards, complete the following steps:

- ___ 1. Start the 'WebSphere_Portal' server and launch the WebSphere Application Server administrative console. (Example: <http://localhost:10027/admin>) enter the username and password and log on.
- ___ 2. In the left pane, expand **Application Servers** and click the 'WebSphere_Portal' link to the right
- ___ 3. Expand '**Java and Process Management**' and click the '**Process Definition**' link
- ___ 4. Click on '**Java Virtual Machine**' under 'Additional Properties'
- ___ 5. Click on '**Custom Properties**' under 'Additional Properties'
- ___ 6. Click the **New** button
- ___ 7. Enter the **Value** following values
 - ___ a. Name : **DashboardBPCHost**
 - ___ b. Value : <fully qualified host name of the WebSphere Process server>

General Properties

* Name

* Value

Description

Apply Reset Cancel

- ___ 8. Click **OK**
- ___ 9. Now click the New button again 'link
- ___ 10. Enter the following values:
 - ___ a. Name : **DashboardBPCRMIPort**
 - ___ b. Port : < RMI port of the WebSphere Process Server> (default is 2809)

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

General Properties

* Name

* Value

Description

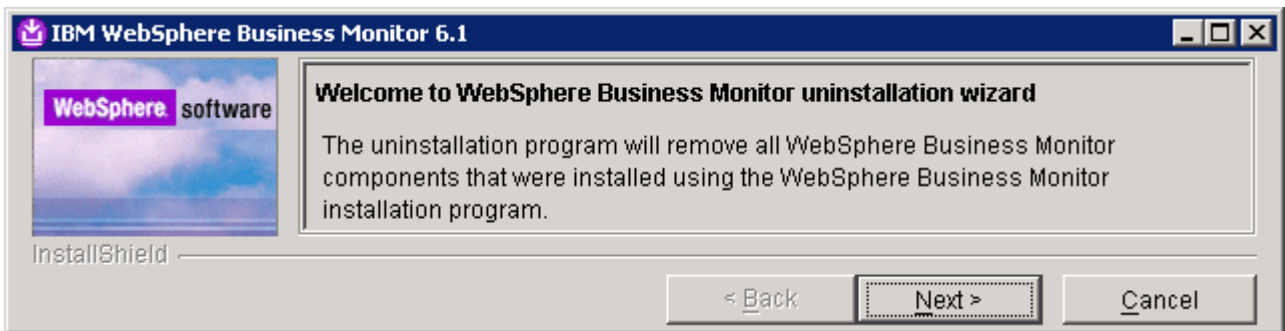
- ___ 11. Click **OK**
- ___ 12. Save the changes to the master configuration
- ___ 13. Restart the server for the changes to occur

Appendix 1: Uninstalling WebSphere Business Monitor and its prerequisites

Follow the instructions below to uninstall WebSphere Business Monitor V6.1:

Machine 1: stand-alone Monitor server profile

- ___ 1. Stop the stand-alone monitor profile
 - ___ a. Open a command window, change directory to **<WBM_PROFILE_HOME>bin** and run the following command:
 - stopServer.bat server1 –username was61admin –password was61admin (security enabled)
 - stopServer.bat server1 (security not enabled)
- ___ 2. Now change directory to **<WAS61_HOME>uninstall.wbm** and double click **uninstall.exe** to launch the WebSphere Business Monitor V6.1 uninstaller wizard.



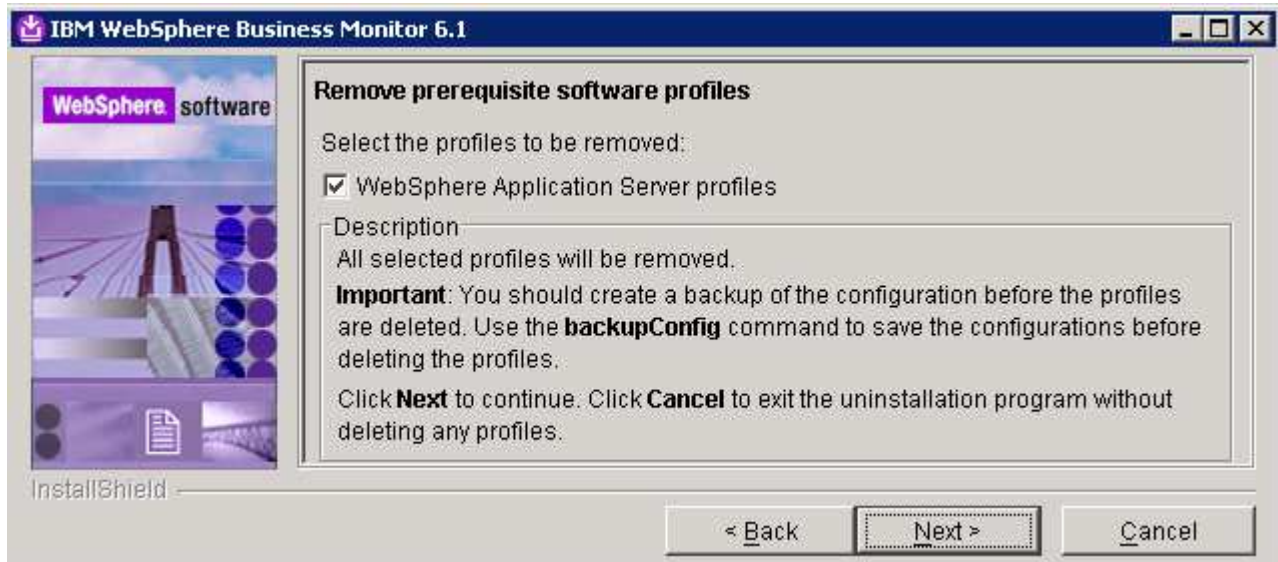
- ___ 3. Click **Next**
- ___ 4. In the following 'Remove prerequisite software' panel, select the check box next to 'WebSphere Application Server ND Version 6.1' and ensure that the correct installation location is displayed



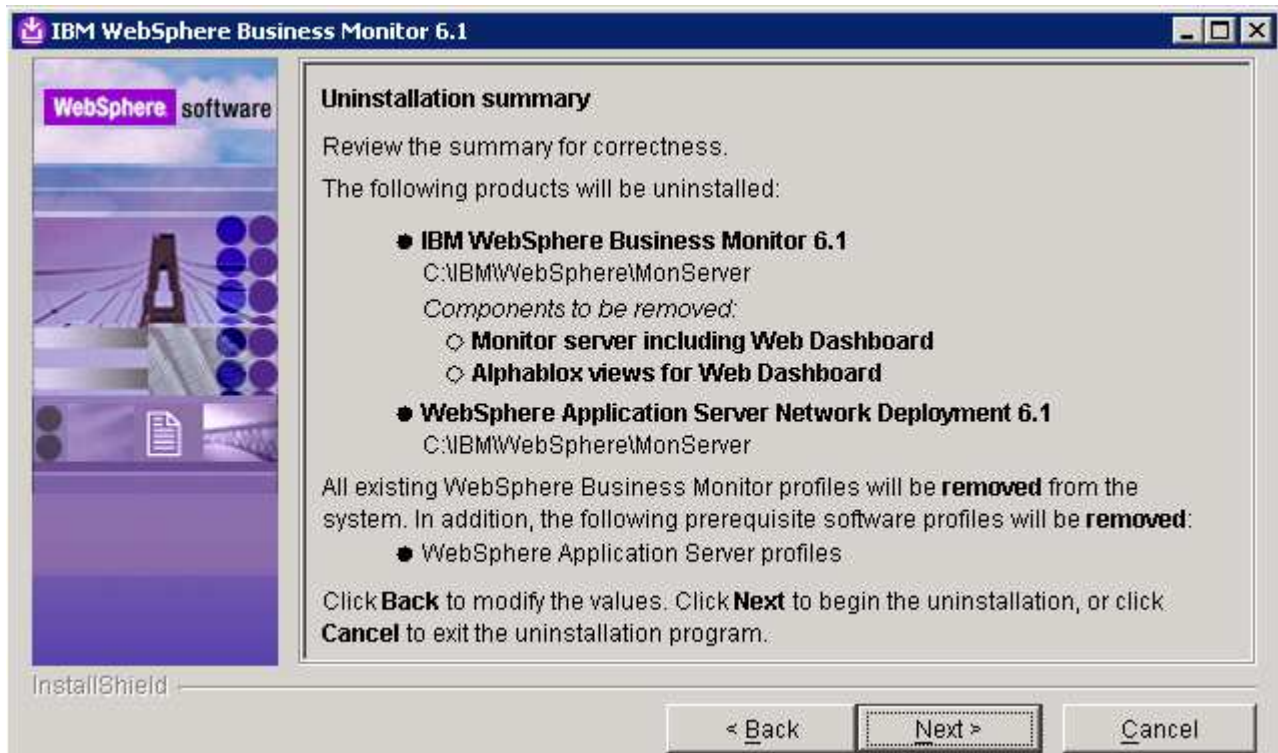
- ___ 5. Click **Next**

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

- ___ 6. In the following 'Remove prerequisite software profiles' panel, select the check box next to 'WebSphere Application Server profiles'. This deletes the monitor server profile

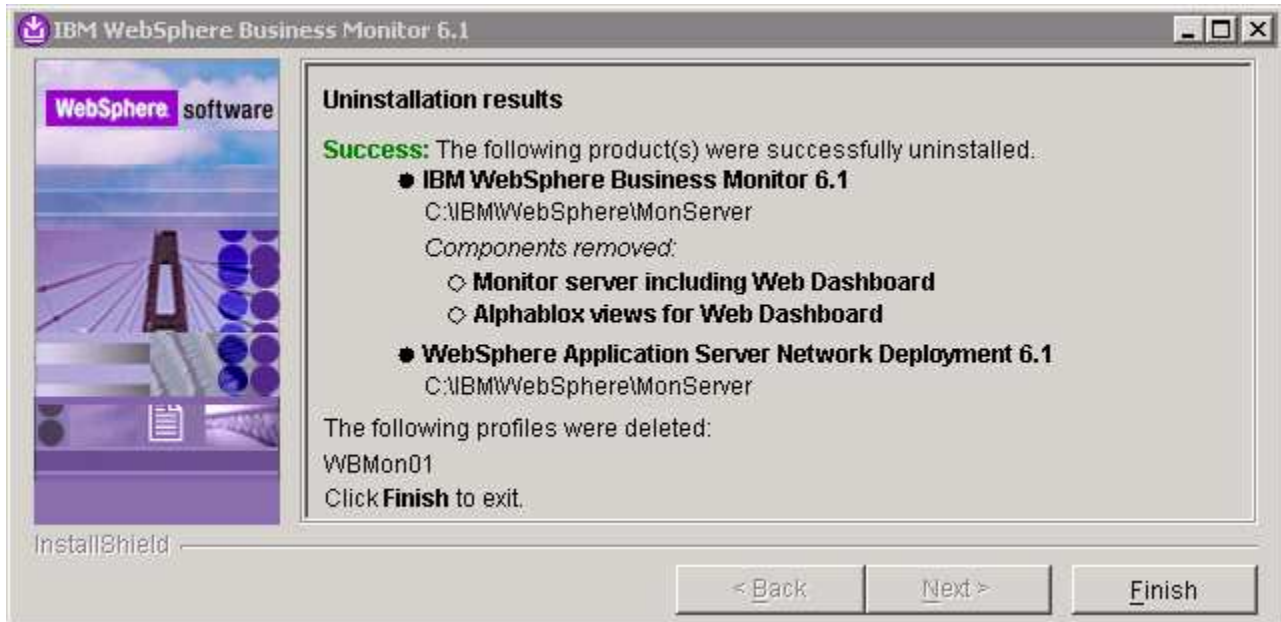


- ___ 7. Click **Next**
- ___ 8. In the following panel, review the un-installation summary



- ___ 9. Click '**Next**' to continue with the installation. The un-installation progresses
- ___ 10. Review the '**Uninstallation results**' summary

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE



- ___ 11. Click **Finish**
- ___ 12. Similarly launch the un-installation wizard for portlet-based dashboards and follow the instructions provided by the wizard
 - __ a. You can launch the uninstall wizard from **<PORTAL_HOME>\uninstall.wbm**

Appendix 2: Troubleshooting

Troubleshooting the monitor stand-alone installation (Machine 1)

___ 1. Useful files for debugging initial installation problems:

__ a. Location : C:\Documents and Settings\Administrator\Local Settings\Temp\1\
(%TEMP% directory of the Administrator user)

__ b. Location : <WAS61_HOME>/logs/wbm/install

- log.txt
- trace.txt
- wbm_<TIME STAMP>_install_out.log
- wbm_<TIME STAMP>_install_trace.log

__ c. Location : <WAS61_HOME>/logs/wbm

- installconfig.log

___ 2. Useful files for debugging monitor stand-alone installation problems

__ a. <WBM_PROFILE_HOME>/logs

- ConfigCEI.log
- MonitorServerResourceInstall.log
- configWBMSIB.log
- enableIdentityAssertion.log
- InstallActionManager.log
- InstallDMSService.log (non derby database environment)
- InstallDashboard.log
- InstallRestServices.log
- installVmmService.log
- installWBMISCPortlet.log
- installHumanTask.log
- InstallABXDashboard.log
- wsadmin.traceout

___ 3. Useful files for debugging Monitor Server runtime problems

__ a. <WBM_PROFILE_HOME>/logs/server1

IBM WEBSHERE BUSINESS MONITOR 6.1 – LAB EXERCISE

- SystemOut.log
- SystemErr.log

Troubleshooting the Portlet-based Dashboards installation (Machine 2)

a) Useful files for debugging initial installation problems:

__ a. Location : C:\Documents and Settings\Administrator\Local Settings\Temp\1\niflogs.wbm
(%TEMP% directory of the Administrator user)

__ b. Location : <PORTAL_HOME>\logs\wbm\install

- log.txt
- trace.txt
- wbm_<TIME STAMP>_install_out.log
- wbm_<TIME STAMP>_install_trace.log

b) Useful files for portlet-based dashboard installation problems:

__ a. <WP_PROFILE_HOME>\logs

- wsadmin.traceout
- installPortalDashboardRestProxy.log
- installHumanTask.log
- installABXPortalDashboard.log

c) Useful files for Portal Server installation and runtime problems:

__ a. <PORTAL_HOME>\log

- SystemOut.log
- SystemErr.log