



IBM Software Group

WebSphere® Business Monitor V6.0

Installation



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This presentation covers the installation of WebSphere Business Monitor V6.

Goals

- Explain the components of a WebSphere Business Monitor Version 6.0 installation
- Describe how to install WebSphere Business Monitor Version 6.0
- Show how to use the Launchpad to perform the installation



This presentation attempts to describe the individual pieces of a complete WebSphere Business Monitor installation and environment. It then tries to explain how all these pieces are installed and shows how the provided Launchpad is used to achieve the installation.

Agenda

- Overview
- Installation Components
- Installation Planning
- Installation Scenarios
- Installation Steps
- Launchpad
 - ▶ Creating Databases
 - ▶ Installing the Monitor Server
 - ▶ Installing the Dashboard Client
- Troubleshooting




First the presentation gives an overview of the installation and then progresses to look at each of the components that will be installed. Then it covers the planning aspects – deciding what to install where, and looks at possible scenarios. After setting this background information in place it then looks at the steps necessary and then walks through using the Launchpad to achieve them.

Section

Overview

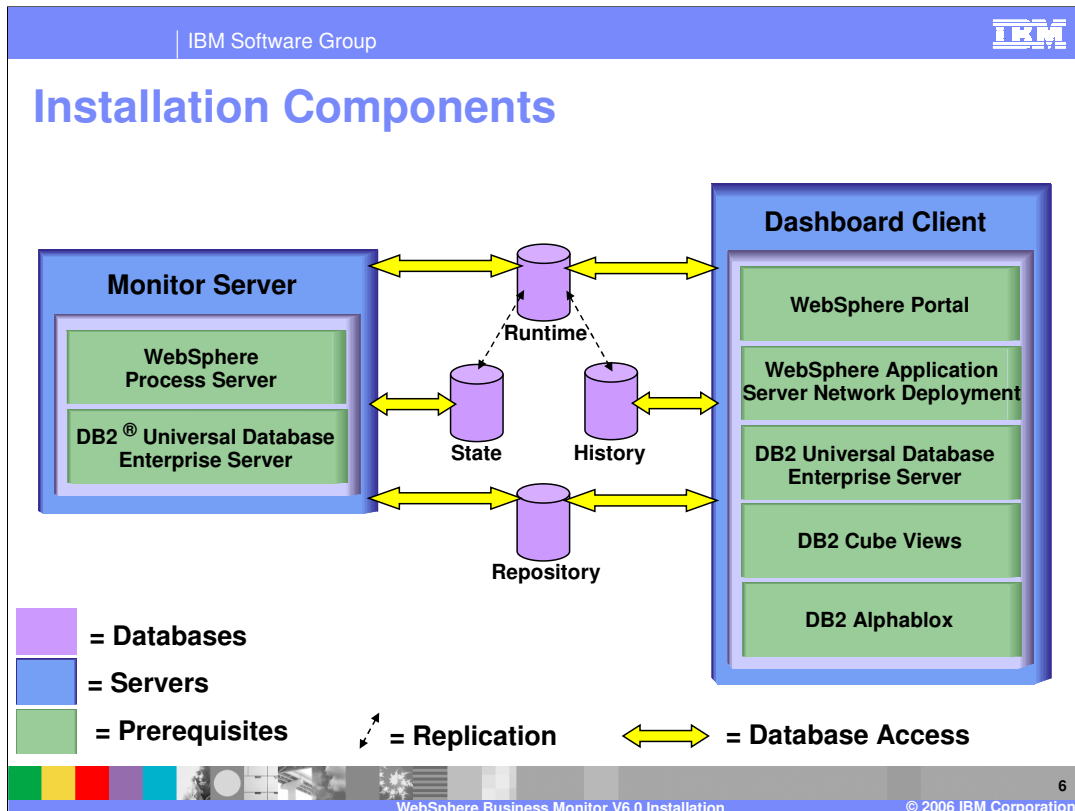
The first section is an overview.

Installation Components

- A Monitor installation has three major components
 - ▶ Monitor Server
 - ▶ Dashboard Client
 - ▶ Databases
- All of the installation is done using the Launchpad 



The installation of WebSphere Business Monitor Version 6.0 is made simple using the Launchpad which provides a single wizard for the input of all details. This Launchpad installs all the components of the product.



This slide shows the logical architecture of WebSphere Business Monitor. All of the components are **server side** despite the fact that one is called the 'Dashboard Client' – it supports clients that login through a web browser, but is often referred to as the Dashboard Server as well.

This presentation will give information about how this logical architecture is realised with a physical architecture – for now notice that there are two 'servers' and a set of four databases.

This diagram shows the three major installation components:

- 1) The Monitor Server (and its prerequisites, WebSphere Process Server and DB2)
- 2) The Dashboard Client (and its prerequisites, DB2, DB2 Cube Views, DB2 Alphablox, WebSphere Portal Server and WebSphere Application Server)
- 3) Databases

NOTE: This diagram does not show the physical location of the databases. Also note that the exact prerequisites for each server vary if any of the databases are installed on one of the servers.

The yellow lines indicate that each of the two servers accesses different databases – this is explored in the upcoming slides.

Section

Installation Components

This section details the components that are installed.

Monitor Server

- Responsible for capturing and interpreting events emitted by processes running in WebSphere Process Server
- Monitor Server is built on WebSphere Process Server itself
 - ▶ This prerequisite is not configured, licensed or supported for running business processes
 - ▶ All BPEL processes must run in a separately licensed installation of WebSphere Process Server
- Makes use of REPOSITORY, STATE and RUNTIME databases



When processes run in a WebSphere Process Server environment they emit events of the Common Base Event format. These events are propagated to the Monitor Server using the Common Event Infrastructure (CEI). The Monitor Server listens to these events, and if they match one of the process models that have been deployed to Monitor then it captures the data from the events. Then, based on the business measures model that was defined for that process (using WebSphere Business Modeller) it pulls out the relevant business data from those events and stores that data in the STATE database.

Monitor Server also contains a component called the Action Manager. This is responsible for firing actions (for example alerts) when it receives Situation Events and it passes these to the RUNTIME database.

The Monitor Server also looks at the REPOSITORY database because this is where all the information is stored about the process models it knows about.

Monitor Server actually uses WebSphere Process Server itself, in addition to monitoring it. However, the WebSphere Process Server installation that it is built upon is not for running business processes. It is not configured for this purpose, not licensed for it, and will not be supported for this. It also runs at version 6.0.0 of WebSphere Process Server whereas Monitor Server must be used to monitor processes that run in WebSphere Process Server 6.0.1.

Therefore you must run your business processes in a separate WebSphere Process Server V6.0.1 installation.

Dashboard Client

- Responsible for retrieving data using DB2, Cube Views and Alphablox and then displaying the information in dashboards using WebSphere Portal
- Makes use of REPOSITORY, RUNTIME and HISTORY databases



The Dashboard Client is used for displaying data for monitoring your business. It retrieves data from the RUNTIME and HISTORY databases and displays this data in a variety of easy to use views that are implemented as WebSphere Portal portlets.

The Dashboard Client also uses the Repository database so it knows what processes to display data on.

Databases

- STATE
 - ▶ Stores monitoring data as the events are received
- RUNTIME
 - ▶ DB2 replication copies data from STATE to RUNTIME
 - ▶ Stores data that can be analyzed in the dashboard
- HISTORICAL
 - ▶ DB2 replication copies data from RUNTIME to HISTORICAL
 - ▶ Stores data for multi-dimensional analysis in dashboards



As briefly explained earlier, the STATE database is used by the Monitor Server. When Monitor Server captures events it extracts the business relevant data from those events and persists that information in the STATE database.

Once a business measures model is deployed for a process, the DB2 replication will be configured to copy data between the STATE, RUNTIME and HISTORY databases.

The RUNTIME database contains information about processes that are currently running and is used to provide data to some of the dashboard views.

After a certain amount of time (administratively configurable) , the data in the RUNTIME database is copied to the HISTORY database where it can then be used for multi-dimensional analysis of the processes that are running or have completed.

Section

Database Location Planning

The next section covers database location planning.

Database access requirements

- Launchpad requires **install time** access to Repository database for all components:
 - ▶ Creating Databases
 - ▶ Installing Monitor Server
 - ▶ Installing Dashboard Client
- Monitor Server requires **runtime** access to Repository, Runtime and State databases
- Dashboard Client requires **runtime** access to Repository, Runtime and History databases



At installation time, the Launchpad needs to write to the Repository database. Therefore the Launchpad will check whether the Repository was installed on the same machine that it is running on. If it was not installed locally then the Launchpad will ask for connection details for the remote database.

At runtime both systems require access to the Repository database. Monitor Server also requires the Runtime and State databases, while Dashboard Client uses Runtime and History in addition to the repository database.

Where to install the databases

- All four databases can be installed on any machine
 - ▶ Monitor Server
 - ▶ Dashboard Client
 - ▶ Any other machine
- Therefore databases may need to be accessed remotely due to access requirements – see previous slide
- Some databases are used by Monitor Server and Dashboard Client so all scenarios will require at least some remote database access
- Replication between the databases may require further remote access configuration



The databases do not have to be installed together on one machine. They can be split across up to four machines (one for each). They also do not need to be installed on the same machine as Monitor Server or Dashboard Client, although both those machines can host the databases.

Because of the flexibility of where to locate the databases it will often be the case that Monitor Server or Dashboard Client will need to access a database that is in another machine – a remote database. In fact all scenarios require this because the Monitor Server and the Dashboard Client both need access to the Repository and Runtime databases yet they cannot be installed on both machines at the same time! They must therefore be remote from one of the servers.

When a business measures model is deployed, DB2 replication is configured to copy data between State -> Runtime -> History. The DB2 replication daemons that do this copying may also need to access remote databases (see next slide)

Database access requirements – DB2 replication

- After installation, when a process model is deployed into Monitor it is necessary to configure DB2 replication to copy data between STATE, RUNTIME and HISTORY databases
- DB2 replication uses daemons that read and write to and from each database



After the product has been installed, an administrator will deploy the business measures model for a given process. This involves modifying the STATE, RUNTIME, HISTORY and REPOSITORY databases to add tables for the specific model. It also involves running daemons that perform DB2 replication. These daemons monitor changes in each database and copy the data between the databases in this sequence:

STATE -> RUNTIME -> HISTORY

If these databases are not all installed on the same server then the replication daemons themselves may require access to a remote database. For example the 'apply' daemon for State->Runtime replication is best run on the same machine as the Runtime database, but also requires access to the STATE database. See later slide for full details.

These requirements are not covered any further in this presentation since they are outside the scope of installation.

Configuring remote access to databases

- Whenever a database will be accessed remotely it must be **cataloged** on each client machine that will access it
- Catalog is a standard DB2 technique for accessing remote databases
 - ▶ Configure using DB2 command line or graphical DB2 Configuration Assistant
- **Installation requires Repository is local or cataloged if remote**
- Runtime requirements add to this initial catalog requirement (see previous slide)



If a database exists on a remote server... for example, when installing the Monitor Server, if the Repository database exists on a different machine it is necessary to catalog that remote database on the local machine before installation. This can be done using standard DB2 tools such as the DB2 Configuration Assistant or the DB2 command line.

The Launchpad will detect if you already created the Repository database locally. If you did not then it will ask for information to connect to the Repository database. At installation time the Launchpad does not access any other database so only this database needs to be cataloged if it is remote. But at runtime there may be additional requirements so it is a good idea to set all of the catalogs in advance of installing Monitor Server and Dashboard Client (you must create the databases first).

See the installation labs for details on how to catalog remote databases.

Summary of database access requirements

Component	Database Access Requirements	Where to run?
Monitor Server	Repository State	
Dashboard Client	Repository Runtime History	
State to Runtime Capture Daemons	State	Same machine as State database
State to Runtime Apply Daemons	State Runtime	Same machine as Runtime database
Runtime to History Capture Daemons	Runtime	Same machine as Runtime database
Runtime to History Apply Daemons	Runtime History	Same machine as History database

You can use this table to work out what cataloging you need to do. Each component runs on a given machine. If the databases a given component needs are remote then it will be necessary to catalog those remote databases on the machine where the component is installed.

For useful reference, the table also shows where each of the DB2 replication daemons should run.

Remote databases – installation implications

- At runtime it is preferable to use local access for performance
- Optimal configuration for maximum local access
 - ▶ State on Monitor Server
 - ▶ Repository, Runtime and History on Dashboard Client
- Performance may be better by dedicating additional machines to run those databases



Although the maximum local database access is achieved using the configuration shown, it may be preferable to locate the databases on dedicated hardware which might provide better performance despite the increase in network traffic.

Example Configuration

- Database Configuration
 - ▶ Monitor Server – State
 - ▶ Dashboard Client – Repository, Runtime, History
- Catalog requirements
 - ▶ Monitor Server – Runtime and Repository
 - Required by Monitor Server at runtime
 - ▶ Dashboard Client – State
 - Required by DB2 State to Runtime apply daemons



In this example the State database is installed on the Monitor Server and the other databases are on the Dashboard Client. The Dashboard Client has local access to all the databases required by installation and runtime. The Monitor Server needs access to the Repository at installation time and then the Repository and State at runtime, so those two databases need to be cataloged on the Monitor Server.

Finally the DB2 replication daemon that copies the State data to the Runtime database runs on the Dashboard Client but needs to access the State database. Therefore the State database must be cataloged on the Dashboard Client.

Section

Installation Scenarios

This section covers installation scenarios.

Installation scenarios

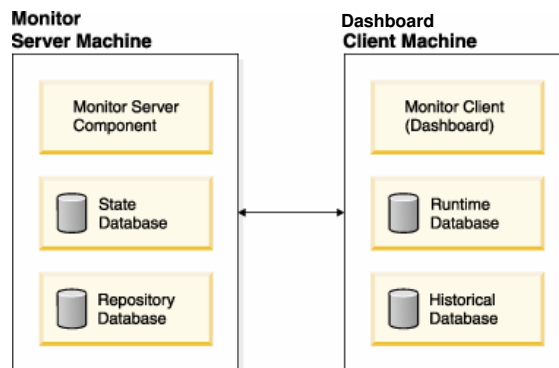
- Monitor Server and Dashboard Client must be installed on separate machines
- Databases can be anywhere and the four databases can also be divided amongst multiple machines
- Launchpad needs to be run locally on each machine
 - ▶ There is no capability to remotely install any of the components (Monitor Server, Dashboard Client, databases)

You must install the Monitor and Dashboard servers on separate machines because their prerequisites are incompatible.

There is no remote installation capability with the Launchpad

Example scenario one

- Two servers
- Each database created where it is needed
 - ▶ State and Repository on Monitor Server
 - ▶ Runtime and Historical on Dashboard Client



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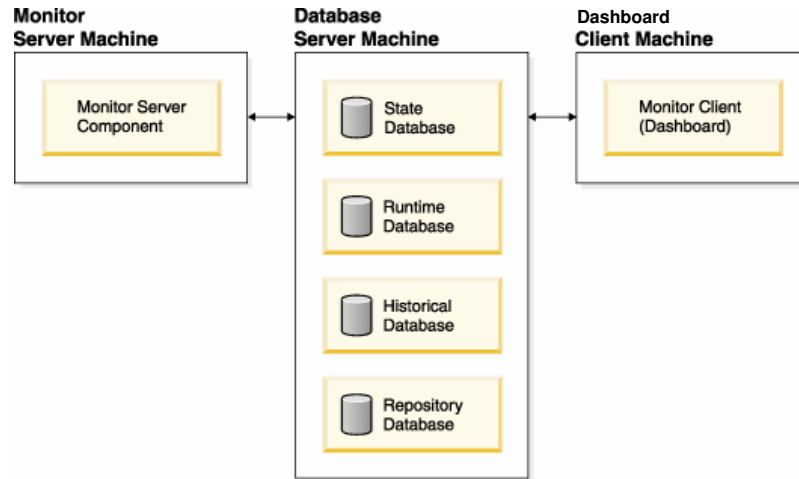
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Using two servers is the minimum hardware requirement because Monitor Server and Dashboard Server cannot co-exist on one machine

On the system shown here, a slight optimisation for performance reasons would be to place the Repository on the Dashboard Client. However, the Monitor Server requires Repository to run so it may be preferable to locate it on the Monitor Server so that Monitor Server does not need the other machine to be available for it to run.

Example scenario two

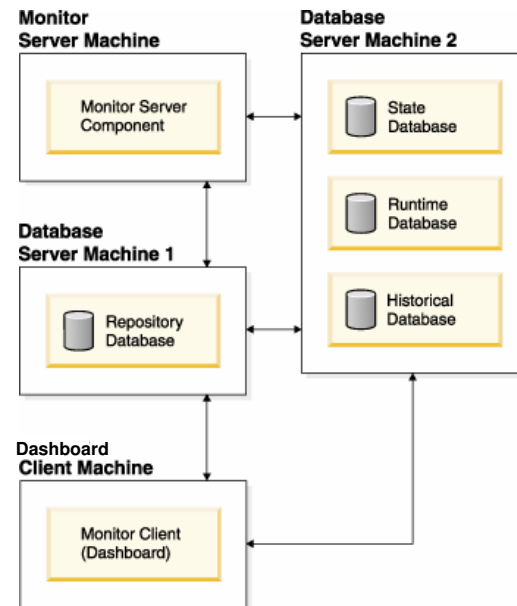
- Three servers
- Databases on dedicated server



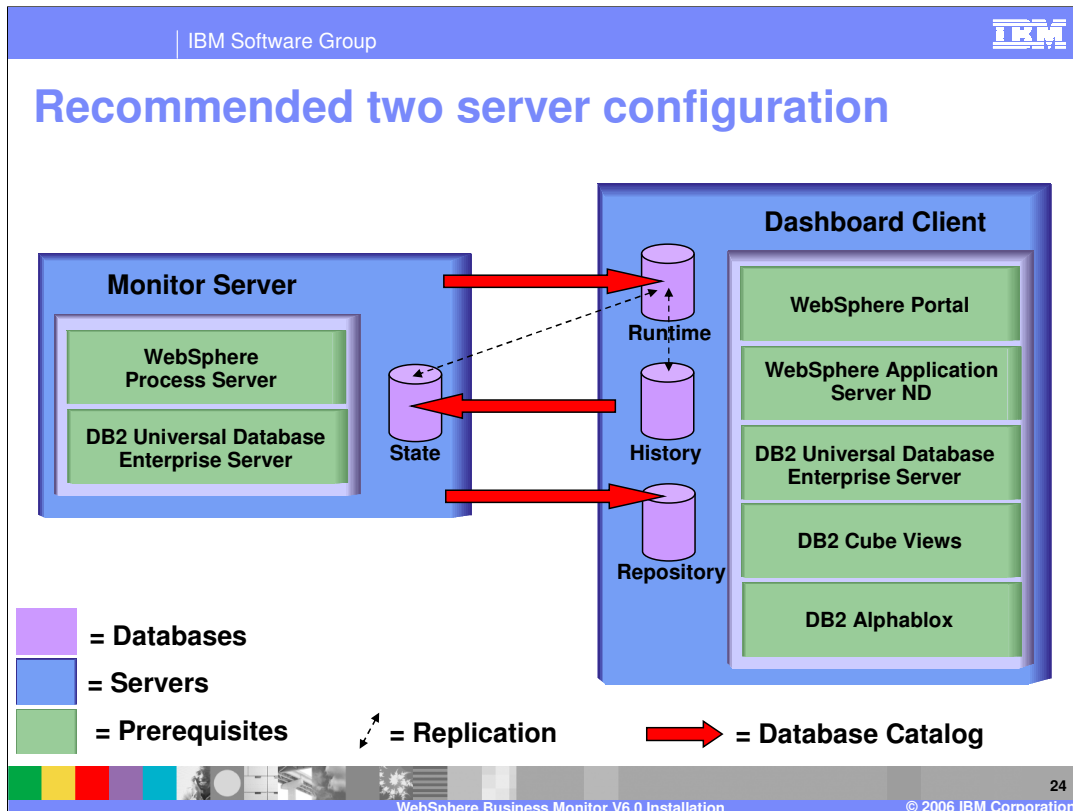
Here is an example of moving the databases to a separate server

Example scenario three

- Four servers
- Databases on two dedicated servers
 - ▶ Repository has own server



Here is an example of moving the databases to a separate server and also using a dedicated server for the Repository



This diagram shows a recommended two machine configuration. The databases have been placed to ensure the highest amount of **local** access of databases at runtime. **This is the configuration used in the tutorials that accompany this presentation.**

The Monitor Server uses the STATE database heavily so it makes sense to have this database located on the Monitor Server machine.

The Dashboard Client uses the RUNTIME and HISTORY databases heavily so it makes sense to have these databases located on the Dashboard Client machine.

The Repository database is used sporadically by both servers, but most significantly by the Dashboard Client, so it makes most sense to also have this located on the Dashboard Client.

Because Monitor Server needs access to the RUNTIME and REPOSITORY databases, they must be cataloged on Monitor Server to provide remote access to them.

A final requirement is that the STATE database must be cataloged on the Dashboard Client. This is not because the Dashboard Client needs access to STATE specifically (see previous slides and you will notice it does not). This is because the DB2 replication between STATE and RUNTIME databases needs this access (as mentioned earlier, this is outside the scope of Installation but is shown here for accuracy)

Section

Installation Steps

This section shows the installation steps.

Installation Steps

1. Create the databases first
2. Catalog any remote databases as necessary
 - ▶ Use command line or DB2 tools (DB2 Configuration Assistant) to catalog remote databases
 - ▶ Monitor Server needs State, Repository
 - ▶ Dashboard Server needs Runtime, History, Repository
3. Install the Monitor Server and Dashboard Client
 - ▶ Either server can be installed first
 - ▶ Must install all prerequisites then complete install
 - Enforced by the Launchpad



You must create the databases first and then configure the cataloging between the machines. At this point you can install the Monitor Server and Dashboard Client

Supported Platforms

- The Launchpad can install the Dashboard Client, the Monitor Server and the Databases on the following platforms.
 - ▶ Windows™ 2000 Server, service pack 4
 - ▶ Windows 2000 Advanced Server, service pack 4
 - ▶ Windows Server 2003 Enterprise Edition service pack 1.
 - ▶ Windows Server 2003 Standard Edition service pack 1.
 - ▶ AIX® 5.2, maintenance package 5200-05
 - ▶ AIX 5.3, with APAR IY58143



The Launchpad can install the Dashboard Client, the Monitor Server and the Databases on the listed platforms.

Hardware Requirements

- Monitor does not have particular requirements of its own – see prerequisite requirements
 - ▶ WebSphere Process Server (Monitor Server): <http://www-306.ibm.com/software/integration/wps/sysreqs/>
 - ▶ WebSphere Portal (Dashboard Server): <http://www-306.ibm.com/software/genservers/portal/sysreq2.html>
- Database requirements will depend on amount of data being captured



The hardware configuration will be determined mostly by the size of the models and the amount of data being captured. The prerequisites also have hardware requirements and these should be consulted separately to understand the minimum requirement (without accounting for the specific models that are deployed).

Section

Launchpad

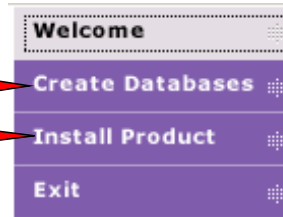
This section discusses the Launchpad.

Launchpad

- Simple-to-use program to install the Monitor components.

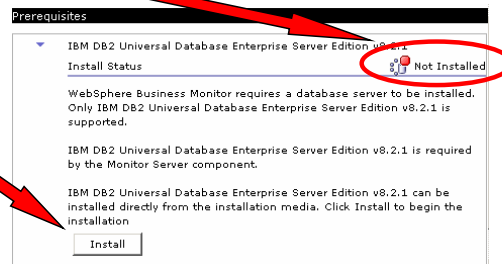
- ▶ Create Databases

- ▶ Install Product



- Checks software prerequisites

- Install as necessary



The Launchpad checks for the existence of all the software prerequisites needed by the Monitor components. If any prerequisites are missing, the Launchpad gives you the opportunity to install the prerequisites.

After the necessary prerequisites have been installed, the Launchpad will enable you to complete the creation of the databases or installation of dashboard server or monitor server.

Launchpad

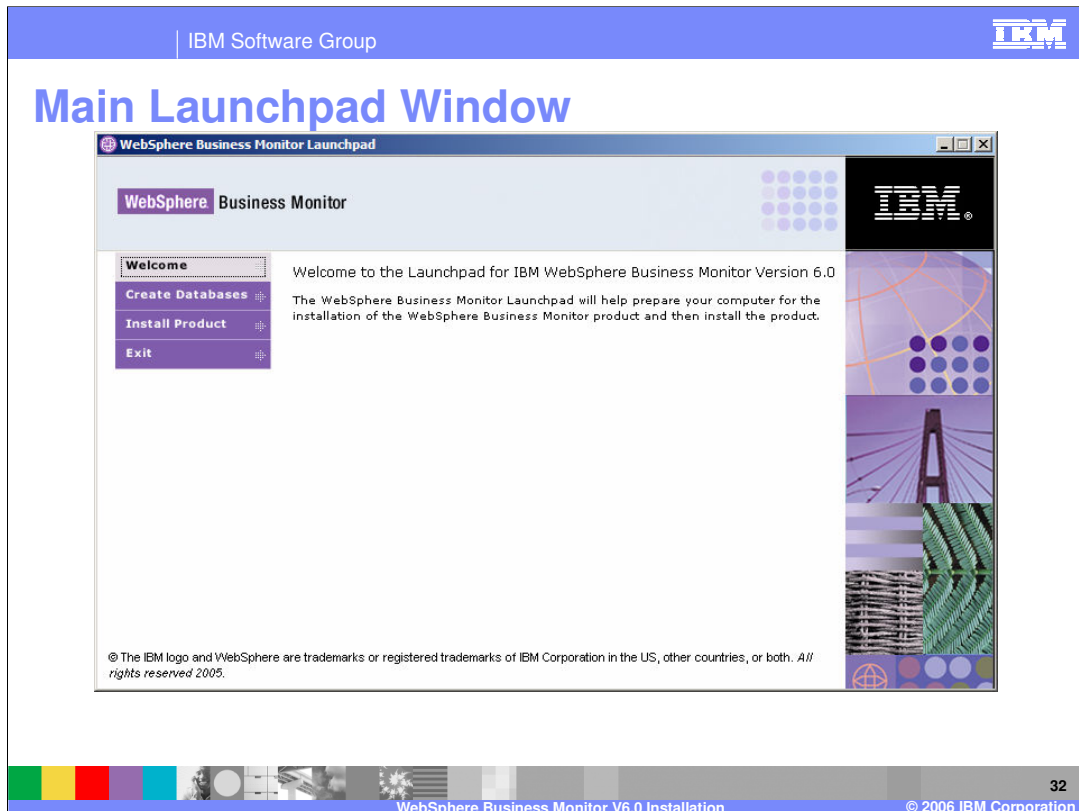
- Checks to see what components are already installed
 - ▶ Prerequisites, Databases, Monitor Server, Dashboard Server
- Looks for Repository database locally
 - ▶ Repository contains information about all other databases so is the only database that the installer looks for
- If Repository is not available locally, dialog requests connection details
 - ▶ **Note:** All relevant remote databases **must** be cataloged locally



The Launchpad scans a system to work out what is already installed

Whenever the repository exists locally, the Launchpad automatically finds it and reads the information about the other databases from the repository.

When it is not found locally, it must instead be cataloged locally. The installer will ask for the Repository information and then connect to the remote repository to obtain the other database information



Here is the meaning of the buttons on the left side of the window.

Welcome links to an introduction to the Launchpad.

Create Databases steps you through the process of creating the Monitor databases (including installing any prerequisites)

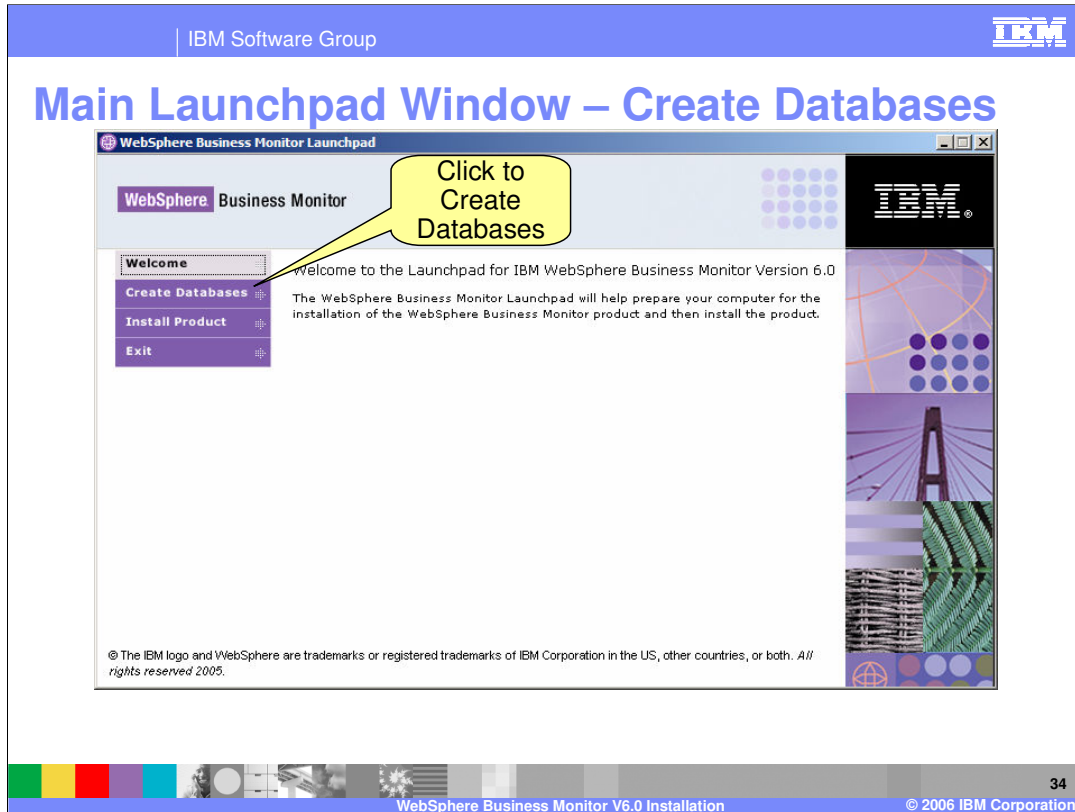
Install Product steps you through the process of installing the Monitor Server and Dashboard server (including prerequisites).

Exit closes the Launchpad.

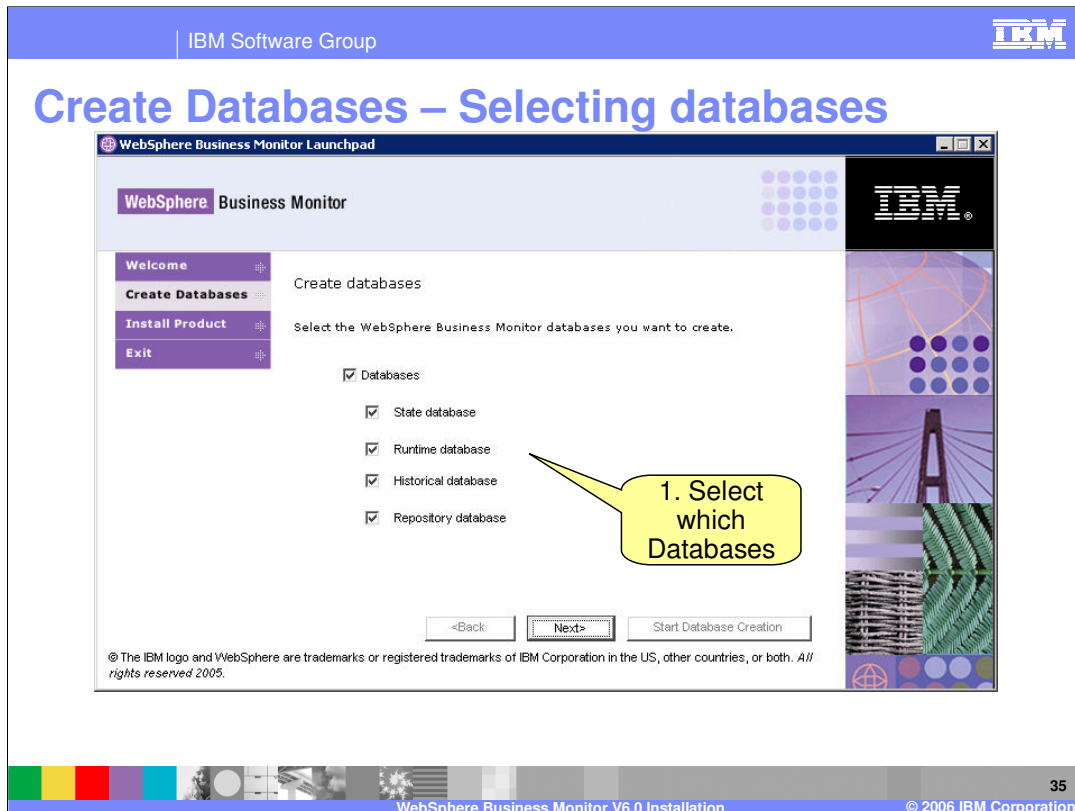
Section

Creating Databases

This section covers creating databases



The next slides show what happens when you choose to create the databases.



On the Create Databases window select the Monitor databases to be created. The possible databases are the State, Runtime, Historical and Repository databases.

If you select “Databases,” all choices under it are selected also.

If a database has been created on the system already, the database will be selected and its checkbox will be unavailable.

After making choices on the Create Databases window, click the Next button. The Software Prerequisites window will be displayed.

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Create Databases – Software prerequisites

WebSphere Business Monitor Launchpad

WebSphere Business Monitor

Welcome | Software prerequisites

Create Databases

Install Product

Exit

The WebSphere Business Monitor Launchpad has checked your system for the existence of required software prerequisites. These prerequisites are needed to create the databases you selected. Please review the status of each prerequisite.

Prerequisites

- ▶ IBM DB2 Universal Database Enterprise Server Edition v8.2.1
Install Status ● Not Installed
- ▶ IBM DB2 Cube Views v8.2.1
Install Status ● Not Installed

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Before creating the Monitor databases, the Launchpad determines if the necessary prerequisites are installed. If the History database was selected then these prerequisites are DB2 and DB2 Cube Views. All the other databases only require DB2.

Expand each prerequisite to see the install button

Create Databases – Installing prerequisites

The screenshot shows the WebSphere Business Monitor Launchpad interface. The main content area displays the 'Prerequisites' section, which lists the required software. The first prerequisite, 'IBM DB2 Universal Database Enterprise Server Edition v8.2.1', is marked as 'Not Installed'. A yellow callout box with the text '3. Click to Install prerequisite' points to the 'Install' button for this prerequisite. Below the prerequisites list, there are buttons for '<Back', 'Next>', and 'Start Database Creation'. The footer of the slide includes the text 'WebSphere Business Monitor V6.0 Installation' and '© 2006 IBM Corporation'.

WebSphere Business Monitor Launchpad

WebSphere Business Monitor

Welcome

Create Databases

Install Product

Exit

The WebSphere Business Monitor Launchpad has checked your system for the existence of required software prerequisites. These prerequisites are needed to create the databases you selected. Please review the status of each prerequisite.

Prerequisites

IBM DB2 Universal Database Enterprise Server Edition v8.2.1

Install Status Not Installed

WebSphere Business Monitor requires a database server to be installed. Only IBM DB2 Universal Database Enterprise Server Edition v8.2.1 is supported.

IBM DB2 Universal Database Enterprise Server Edition v8.2.1 is required by the Monitor Server component.

IBM DB2 Universal Database Enterprise Server Edition v8.2.1 can be installed directly from the installation media. Click Install to begin the installation.

Install

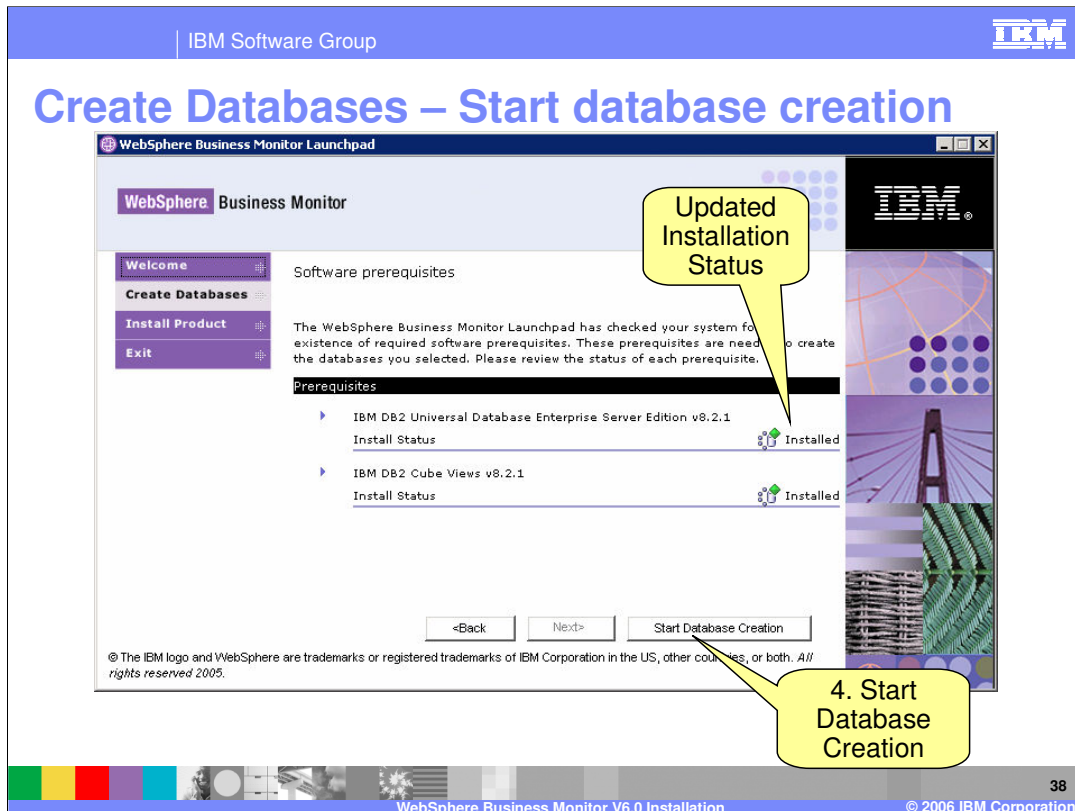
<Back Next> Start Database Creation

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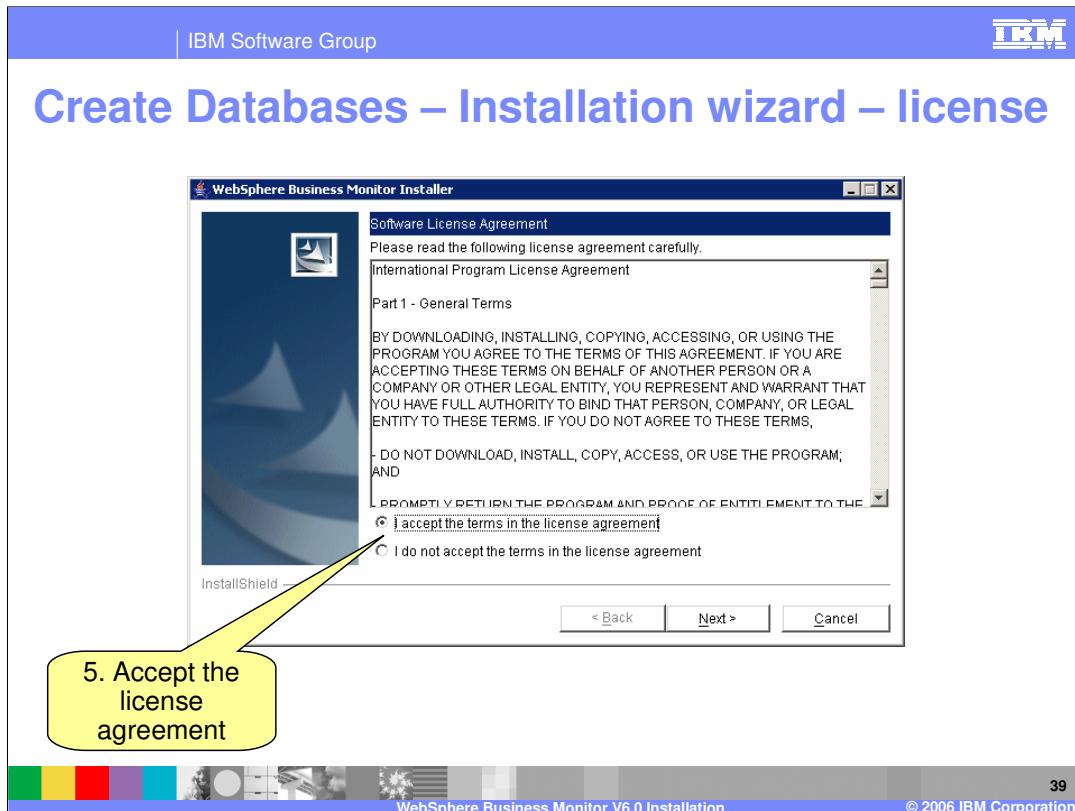
Continue installing all the prerequisites



After the database prerequisites have been installed, select the “Start Database Creation” button to create the Monitor databases. Clicking the “Start Database Creation” button before the prerequisites have been installed will show an error.

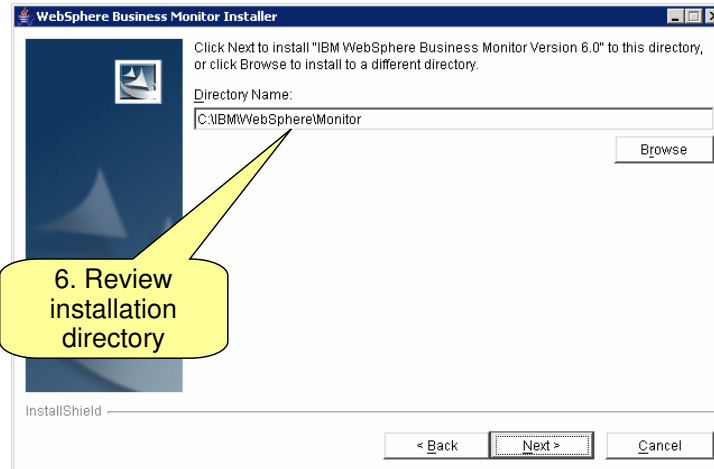
When finished, you are returned to the Launchpad in case you wish to install more components on this server. Click Exit if you do not

Create Databases – Installation wizard – license

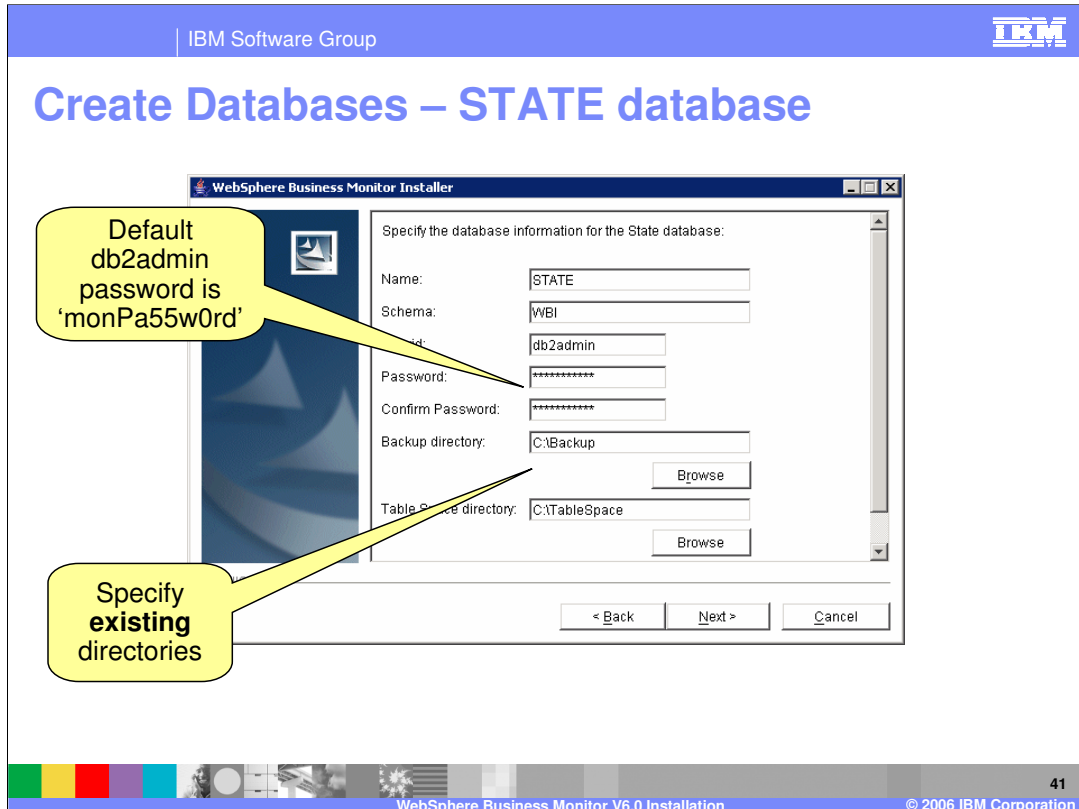


Accept the license agreement

Create Databases – Installation directory



Review the installation directory



The State Database Creation Panel prompts you to enter information needed to create the State database. The database information will be stored in the Repository database.

You need to specify the user ID and password that are used to connect to DB2. If DB2 was installed by the Launchpad then it defaults to the following (on Windows):

user ID: db2admin

Password: monPa55w0rd

The installer may want to change the password after DB2 was installed. The important point is to enter the right values at this stage on the panel

The Backup and TableSpace directories must already exist

Next button takes you to the next Database Creation Panel if you selected another database on the Feature Selection Panel. Otherwise, it takes you to the Summary Panel.

Create Databases – RUNTIME database

Same as
STATE
database

The screenshot shows the 'WebSphere Business Monitor Installer' dialog box. The title bar reads 'WebSphere Business Monitor Installer'. The main content area is titled 'Specify the database information for the Runtime database:'. It contains several input fields: 'Name' (containing 'RUNTIME'), 'Schema' (containing 'WBI'), 'Userid' (containing 'db2admin'), 'Password' (masked with asterisks), 'Confirm Password' (masked with asterisks), 'Backup directory' (containing 'C:\Backup'), and 'Table Space directory' (containing 'C:\TableSpace'). There are 'Browse' buttons next to the 'Backup directory' and 'Table Space directory' fields. At the bottom of the dialog, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'InstallShield' logo is visible in the bottom left corner of the dialog.

Same as for STATE database

Create Databases – HISTORY database

WebSphere Business Monitor Installer

Specify the database information for the Historical database:

Name: HISTORY

Schema: WBI

Userid: db2admin

Password: *****

Confirm password: *****

Type: DB2

InstallShield

< Back Next > Cancel

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Historical

No backup or TableSpace directories needed

Create Databases – REPOS database

WebSphere Business Monitor Installer

Specify the database information for the Repository database:

Name: REPOS

Schema: REPOS

Userid: db2admin

Password: *****

Confirm Password: *****

Type: DB2

InstallShield

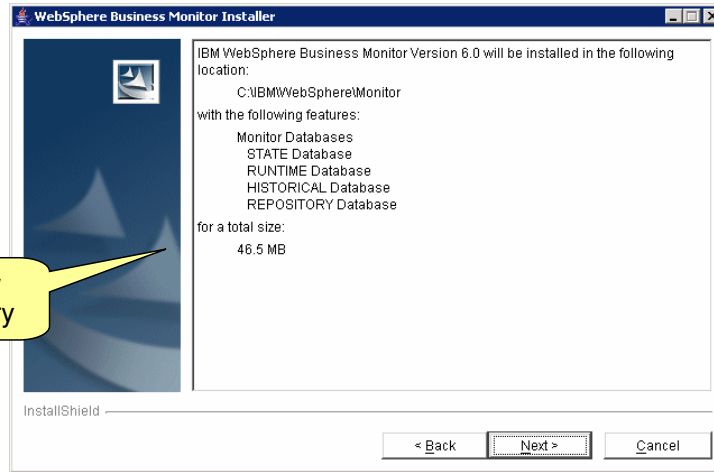
< Back Next > Cancel

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The Repository database contains meta-data about the State, Runtime and Historical databases.

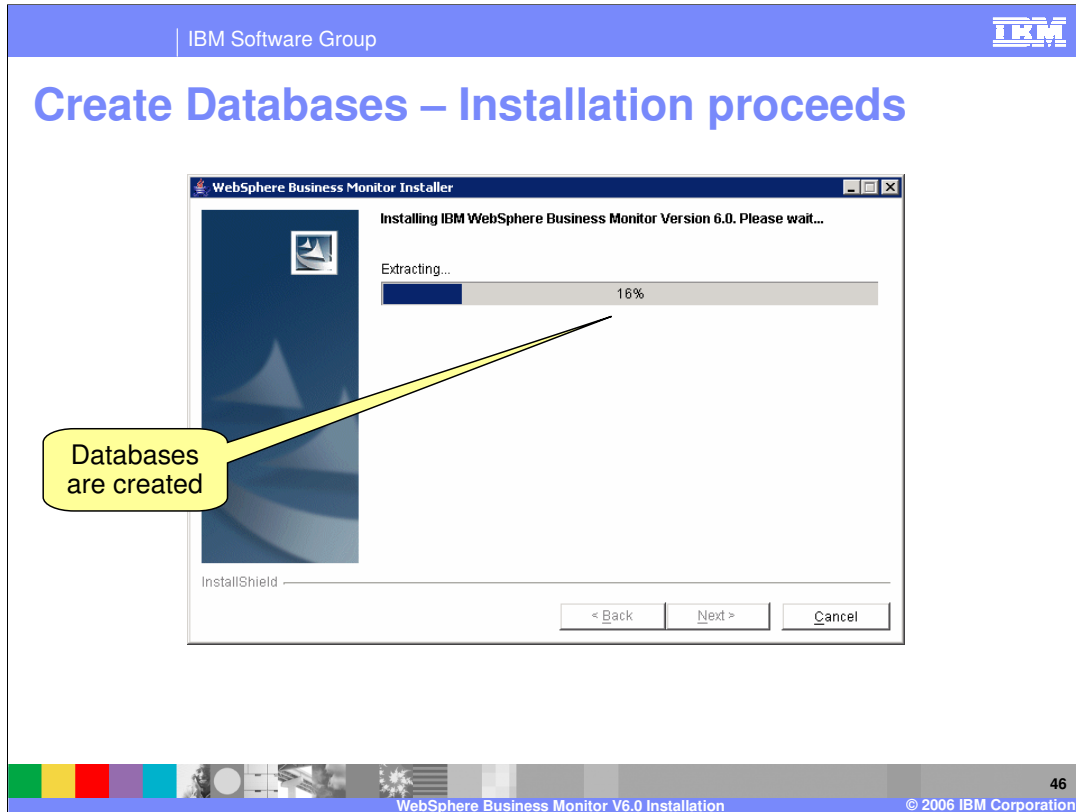
Create Databases – Summary



Review
Summary

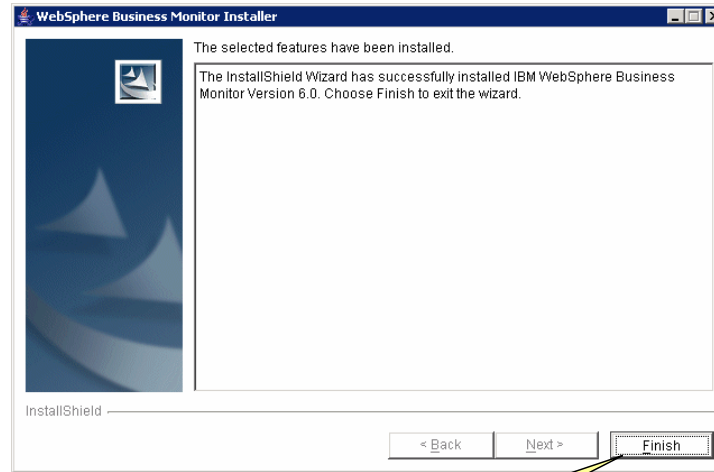
Review the summary...

Create Databases – Installation proceeds



And the databases are created.

Create Databases – Installation finished




Database
Creation Finishes

When the databases have been created, click Finish.


Section

Installing Monitor Server

This section covers installing the Monitor Server.

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Main Launchpad Window – Install Product



WebSphere Business Monitor

Welcome

- Create Databases
- Install Product
- Exit

Welcome to the Launchpad for IBM WebSphere Business Monitor Version 6.0

The WebSphere Business Monitor Launchpad will help prepare your computer for the installation of the WebSphere Business Monitor product and then install the product.

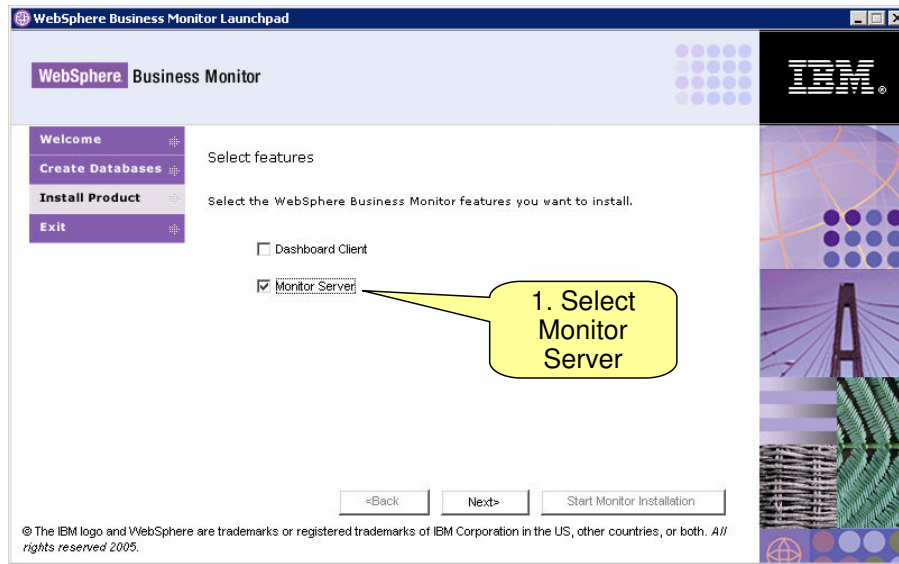
Click to Install Product

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The next slides show what happens when you click to Install Product

Install Product – Monitor Server



Choose which server you want to install. Select the 'Monitor Server'

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Monitor Server – Installing prerequisites

WebSphere Business Monitor Launchpad

WebSphere Business Monitor

Welcome | Software prerequisites

Create Databases

Install Product | The WebSphere Business Monitor Launchpad has checked your system for the existence of required software prerequisites. These prerequisites are needed to install the features you selected. Please review the status of each prerequisite.

Exit

Prerequisites

- ▶ IBM DB2 Universal Database Enterprise Server Edition v8.2.1
Install Status ● Not Installed
- ▶ IBM WebSphere Process Server v6.0.0.1
Install Status ● Not Installed

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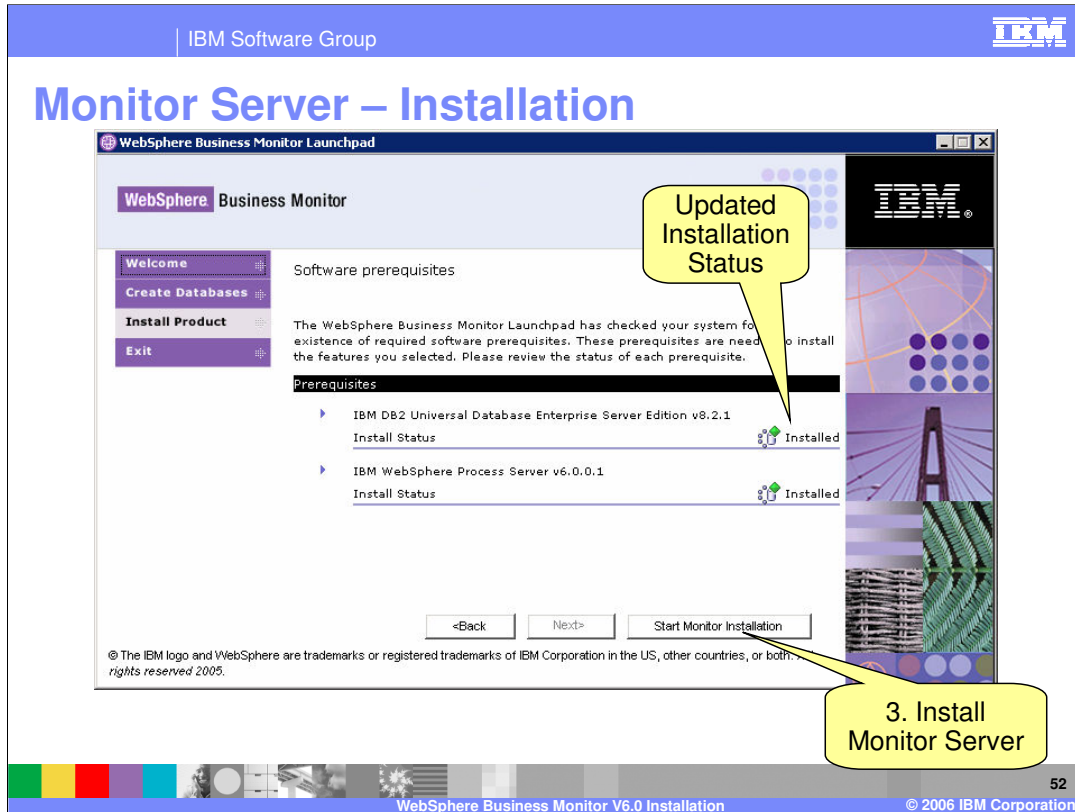
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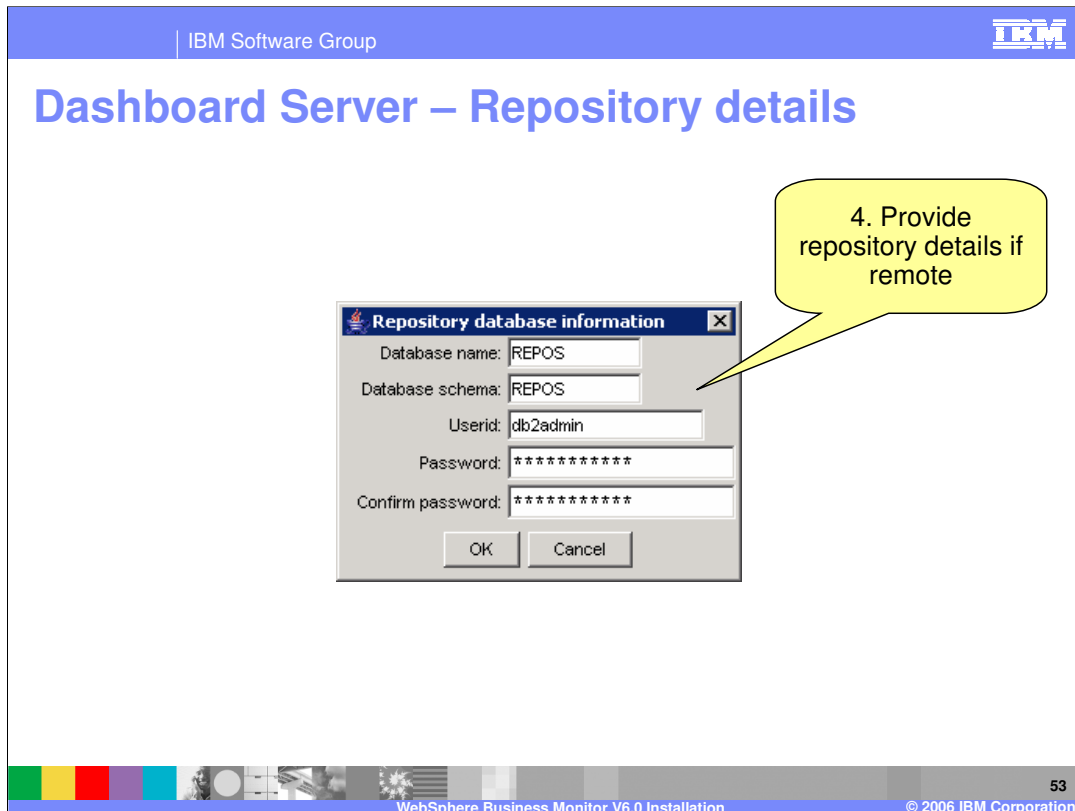
This slide shows what happens if you choose the Monitor Server.

DB2 is the first prerequisite. If it is already installed the Launchpad will detect this (for example you created the databases on the same server already)

Expand each prerequisite and click the Install button for each one. The installation proceeds silently.



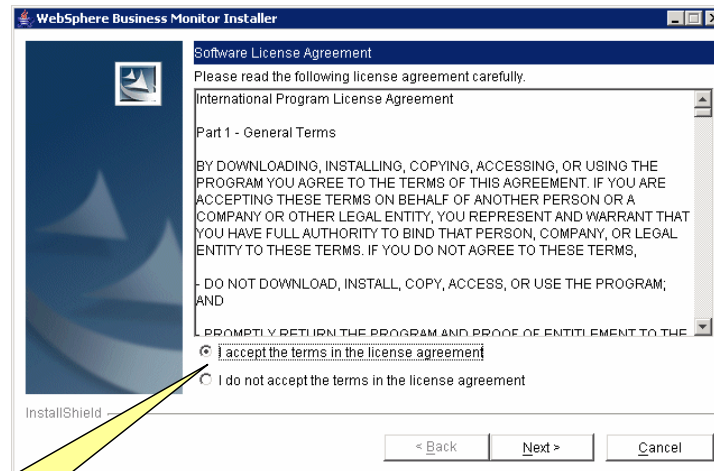
Once the installation prerequisites are installed, their status updates and the 'Monitor Server' installation can begin



This dialog will only be presented if the repository was not created on this server. If the Repository exists locally then the Launchpad will find it automatically and will not ask these questions

Repository and other necessary databases (state for Monitor, runtime and history for Dashboard) must all be cataloged locally even if they are remote.

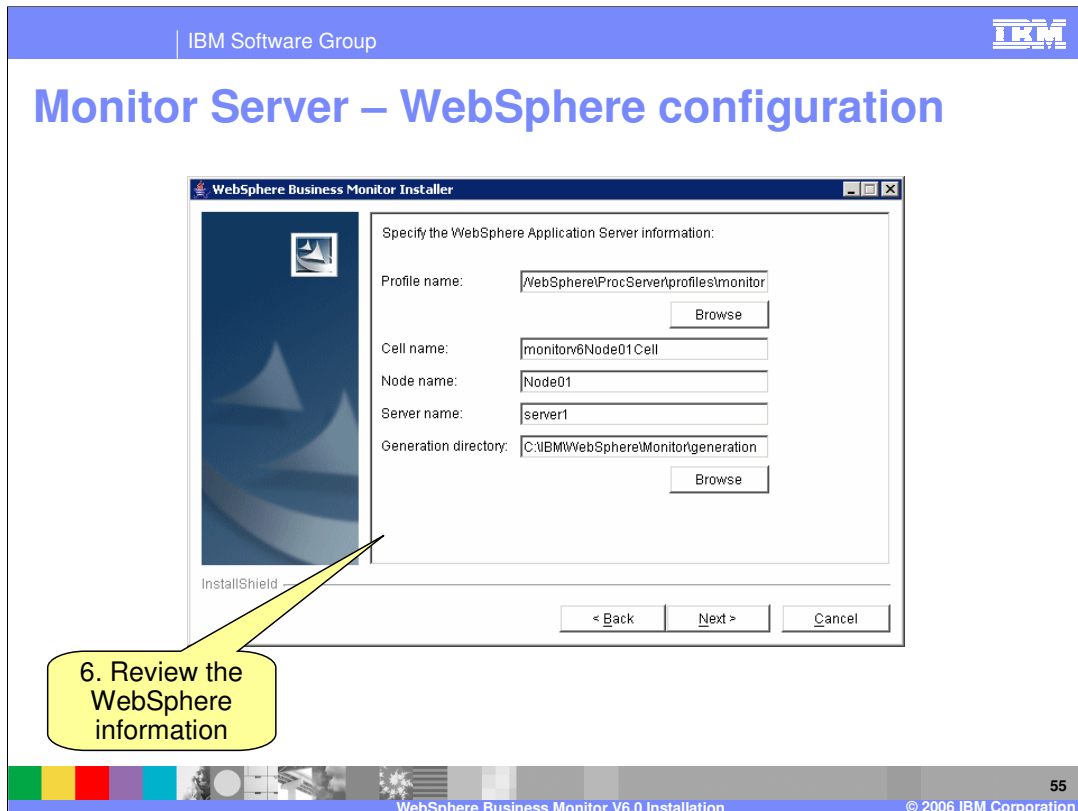
Monitor Server – Installation wizard – license



5. Accept the license agreement

Accept the license agreement

Monitor Server – WebSphere configuration



The WebSphere Application Server Configuration Panel prompts you to enter information about the WebSphere Application Server installation. The panel determines these values automatically. Note that the 'WebSphere Application Server' is actually a WebSphere **Process** Server installation – the prerequisite.

Monitor Server – Action manager database

WebSphere Business Monitor Installer

Specify the database information for the Action Catalog database:

Name: AAMCAT

Hostname: monitorv6

Port: 50000

Userid: db2admin

Password: *****

Confirm Password: *****

Type: DB2

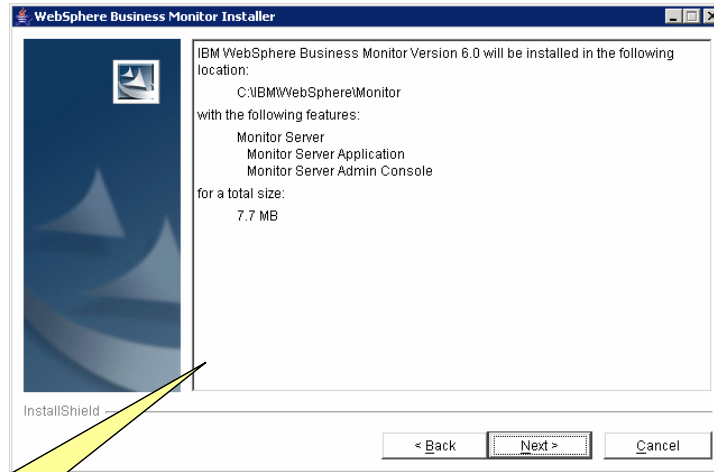
< Back Next > Cancel

7. Provide database password – default is 'monPa55w0rd'

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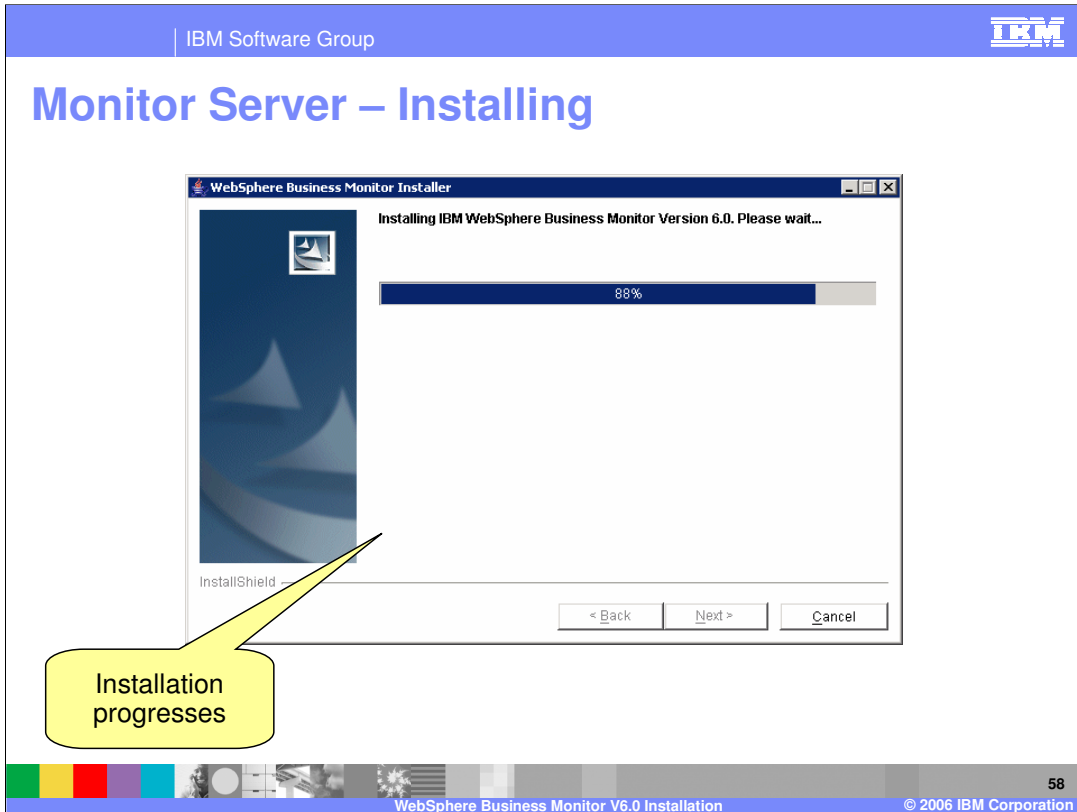
The Action Catalog Database Panel prompts you to enter database information for the Action Manager database. This database is known as the Action Catalog. This database is not related to the other databases and is used only by the Action manager capability.

Monitor Server – Installation summary



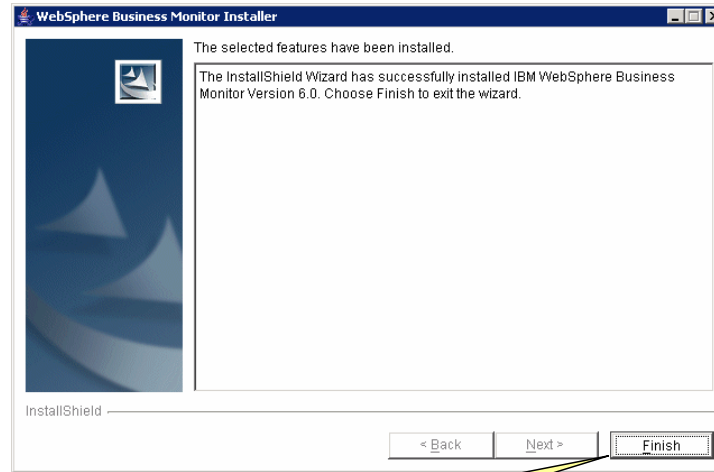
8. Review the summary

Review the summary...



...and installation progresses.

Monitor Server – Installation finished



Monitor Server
installation is finished

You are returned to the Launchpad in case you want to install any other components. Click Exit if not.

Section

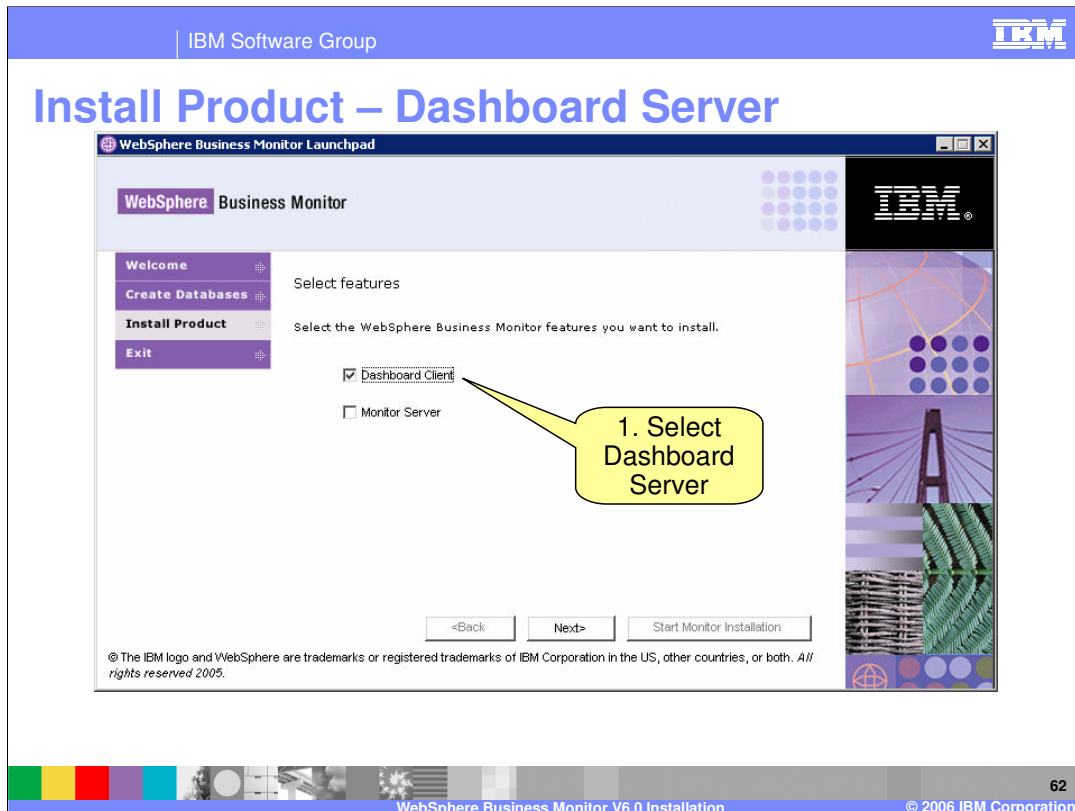
Installing Dashboard Client

This section covers installing the Dashboard Client.

Main Launchpad Window – Install Product



The next slides show what happens when you click Install Product



Choose which server you want to install. Select the 'Dashboard Client' to install the Dashboard Server. The naming is reflective of the fact that the Dashboard Server is a **client** to the Monitor Server, but it is still a server itself so the name 'Dashboard Server' is better.

IBM Software Group IBM

Dashboard Server – Installing prerequisites

The screenshot shows the WebSphere Business Monitor Launchpad interface. On the left, there is a navigation menu with options: Welcome, Create Databases, Install Product, and Exit. The main content area displays a message about the existence of required software prerequisites and a list of prerequisites, all of which are marked as 'Not Installed'.

Prerequisite	Install Status
IBM DB2 Universal Database Enterprise Server Edition v8.2.1	Not Installed
IBM DB2 Cube Views v8.2.1	Not Installed
IBM WebSphere Application Server Network Deployment v6.0.2.1	Not Installed
IBM WebSphere Portal v5.1.0.2	Not Installed
IBM DB2 Alphablox v8.3	Not Installed

At the bottom of the window, there are buttons for '<Back', 'Next>', and 'Start Monitor Installation'. A copyright notice at the bottom left reads: '© The IBM logo and WebSphere are trademarks or registered trademarks of IBM Corporation in the US, other countries, or both. All rights reserved 2005.'

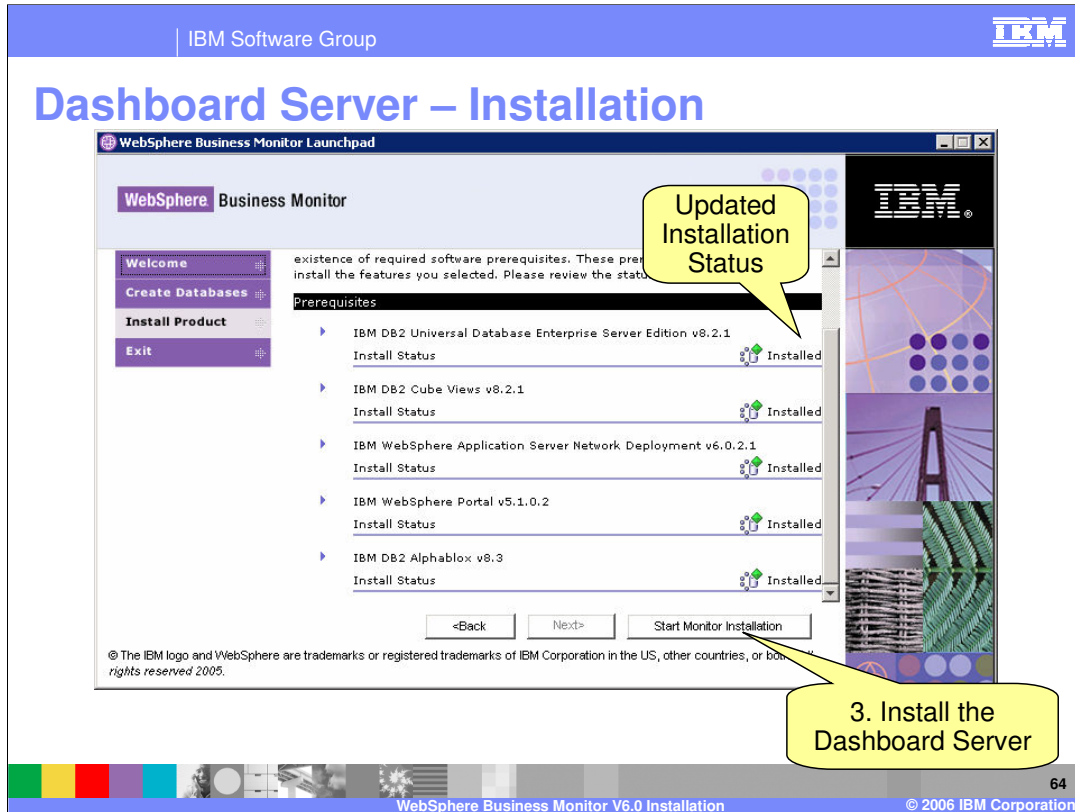
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This slide shows what happens if you choose the Dashboard Server (labeled Dashboard Client)

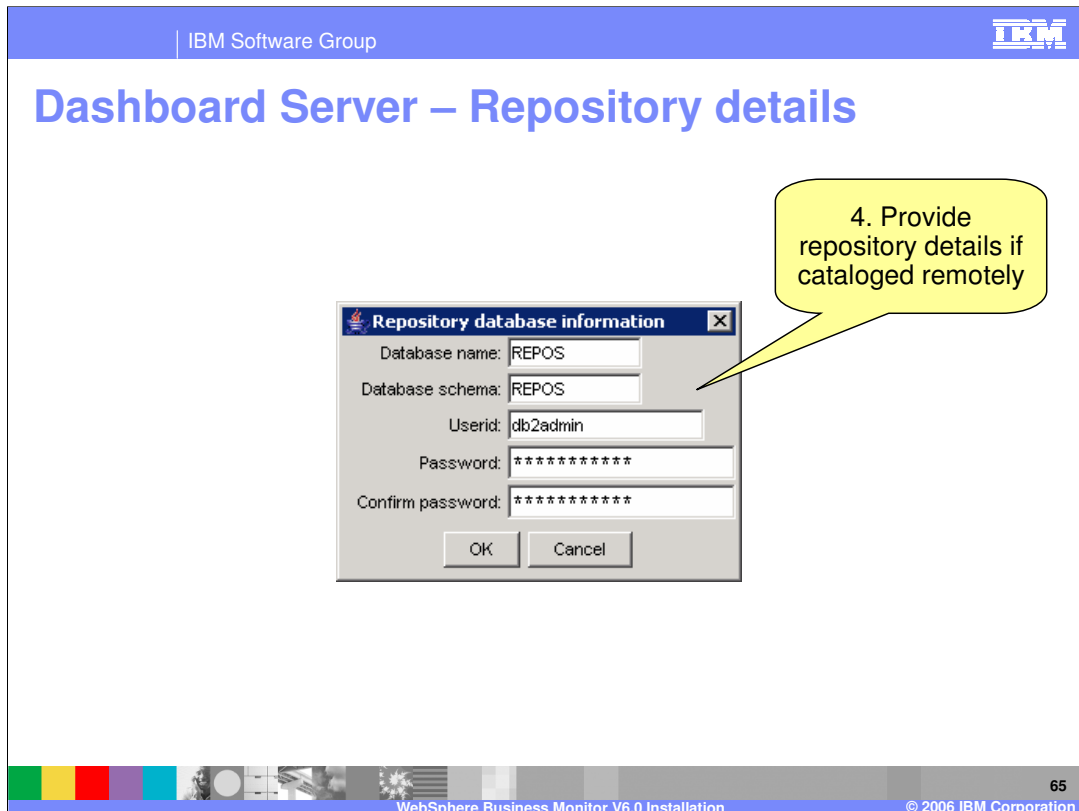
DB2 is the first prerequisite. If it is already installed the Launchpad will detect this (for example you created the databases on the same server already). Same for DB2 Cube Views. You will also need to install WebSphere Application Server Network Deployment, WebSphere Portal Server, and Alphablox

Install all the prerequisites



When the prerequisites are installed, their status updates.

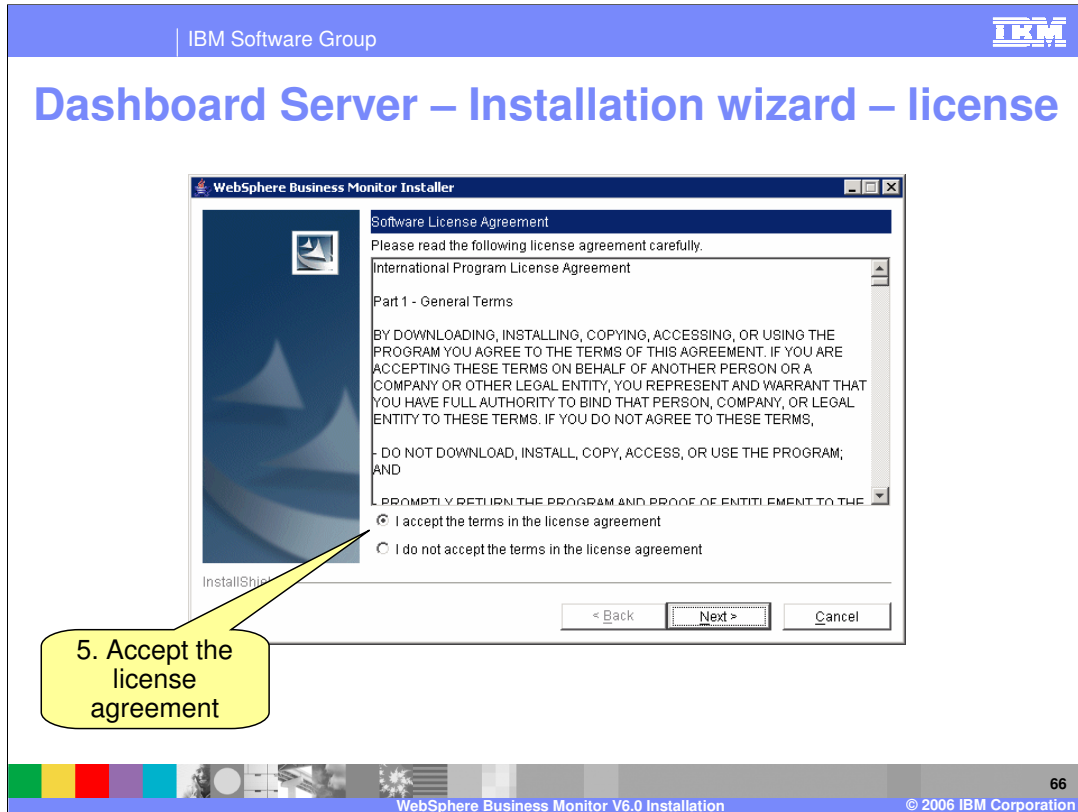
Now you can install the Dashboard Server



This dialog will only be presented if the repository was not created on this server

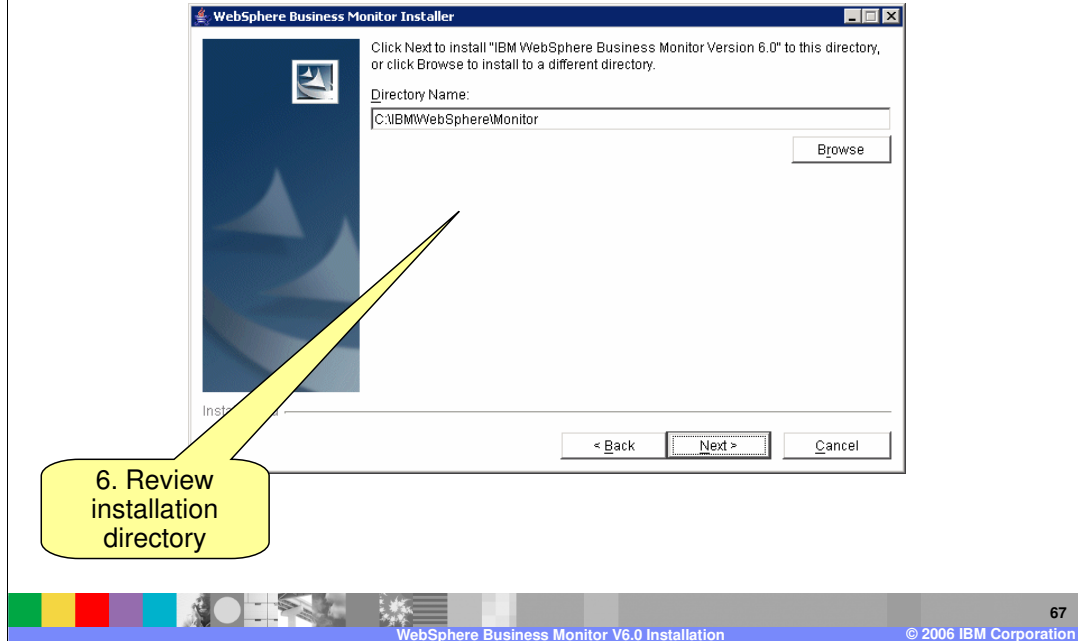
The repository and other necessary databases (state for Monitor, runtime and history for Dashboard) must all be cataloged locally even if they are remote.

Dashboard Server – Installation wizard – license

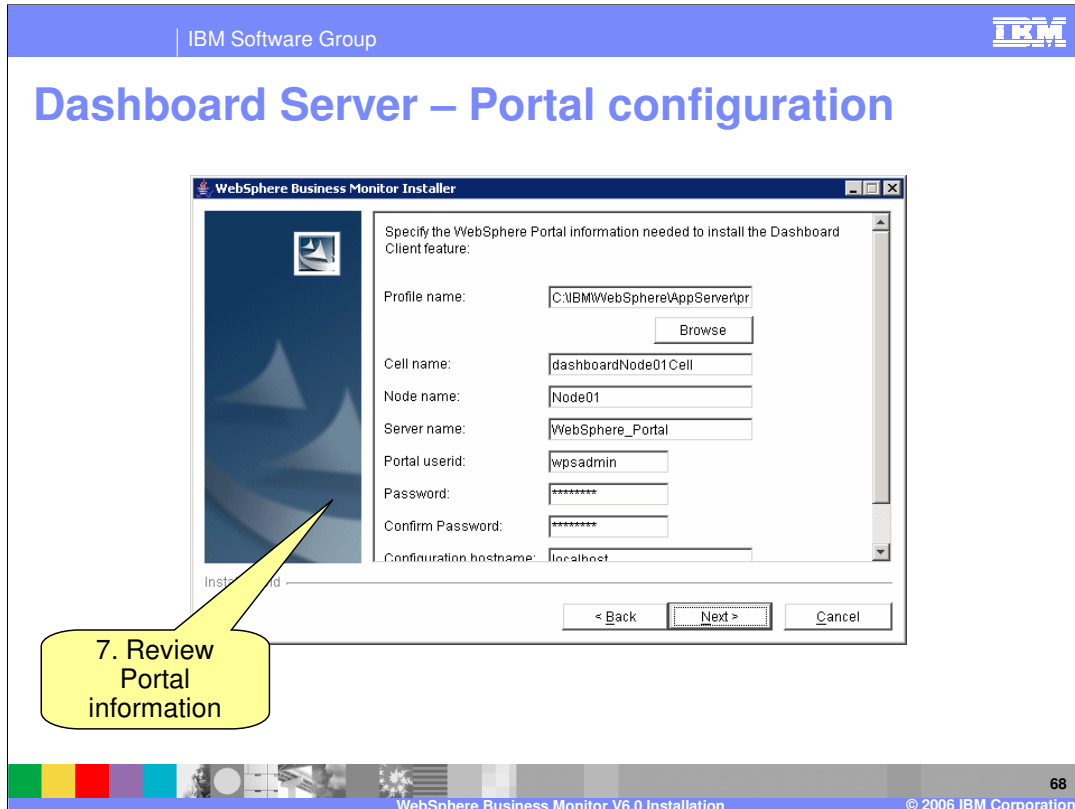


Accept the license agreement.

Dashboard Server – Installation directory



Review the installation directory



The Portal Server Configuration Panel prompts you to enter information about your Portal Server installation. The Launchpad automatically detects this information.

By default the Portal server is installed with user ID/password of 'wpsadmin/wpsadmin'

Dashboard Server – Alphablox configuration

WebSphere Business Monitor Installer

Installation directory: C:\IBM\DB2\Alphablox

Userid: admin

Password: *****

Confirm Password: *****

Hostname: localhost

Telnet port: 23

Set WebSphere Business Monitor as the DB2 Alphablox default theme

Set WebSphere Business Monitor as the WebSphere Portal default theme

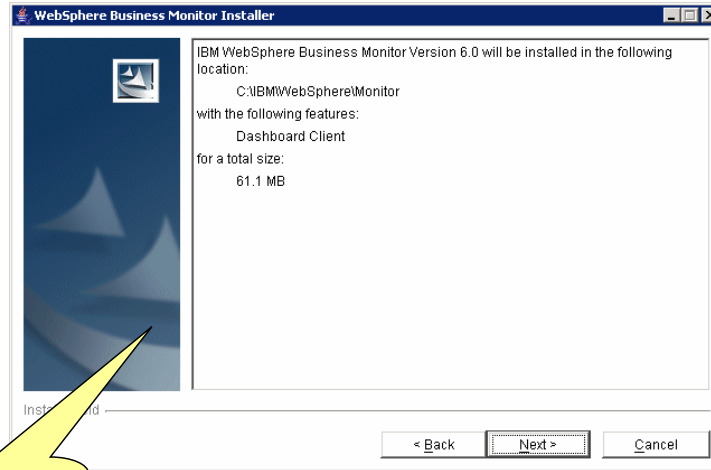
Use WebSphere Business Monitor welcome page for WebSphere Portal

8. Review
Alphablox
information

The DB2 Alphablox Panel prompts you to enter information about your Alphablox installation. The Launchpad automatically detects this information.

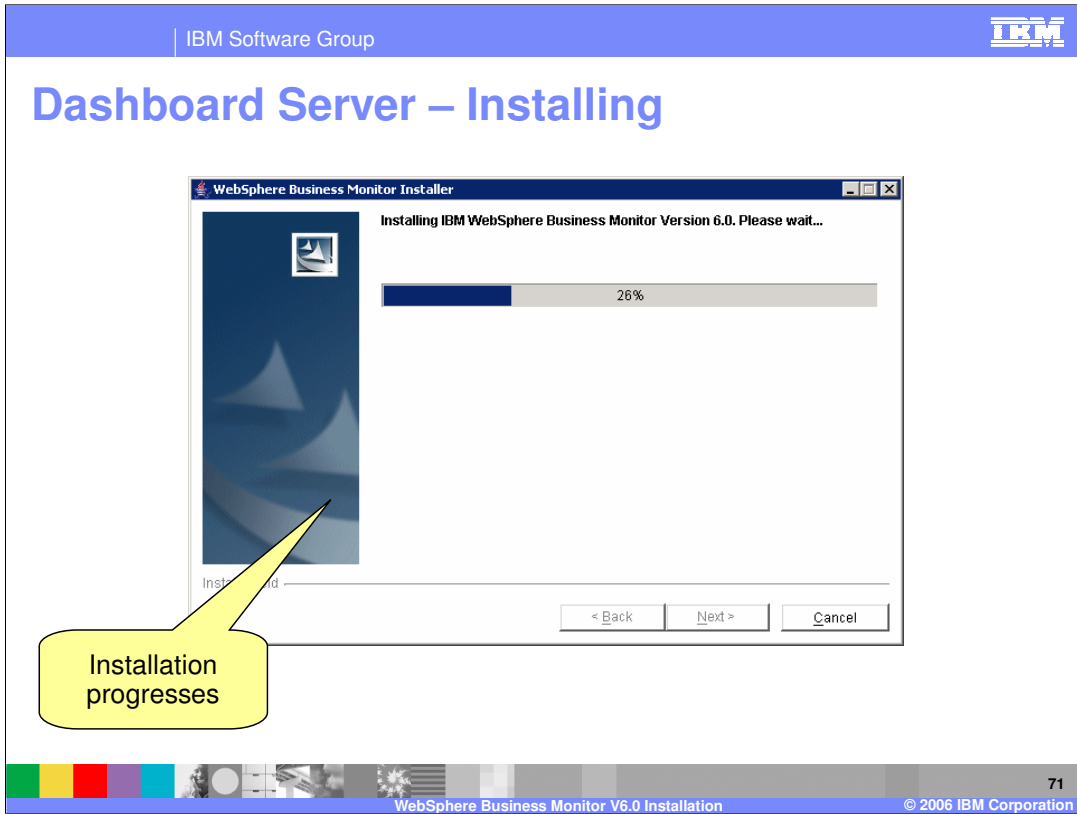
By default Alphablox is installed with user ID/password of 'admin/password'

Dashboard Server – Installation summary



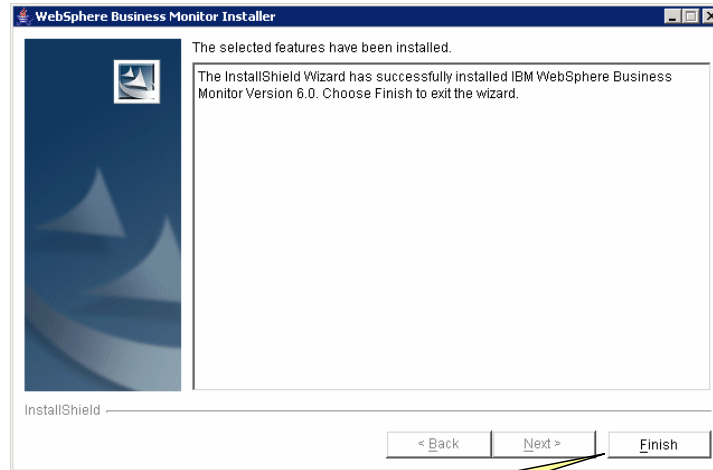
9. Review Summary

Review the summary...



... and the installation progresses.

Dashboard Server – Installation finished



Dashboard Server
installation is finished

When the Dashboard client has been installed, click Finish.

Section

Troubleshooting

This section covers troubleshooting.

Troubleshooting

- Log files can be found:
 - ▶ C:\IBM\WebSphere\Monitor\install\logs\
 - ▶ %TEMP%\
 - ▶ C:\IBM\SQLLIB\DB2\db2diag.log
- Monitor Server specific logs:
 - ▶ C:\IBM\WebSphere\ProcServer\profiles\monitor\logs\server1\SystemOut.log, SystemErr.log
- Dashboard Server specific logs:
 - ▶ C:\IBM\WebSphere\PortalServer\log\SystemOut.log, SystemErr.log
 - ▶ C:\IBM\DB2Alphablox\repository\servers\AlphabloxAnalytics\logs\Server.log
 - ▶ C:\IBM\WebSphere\AppServer\profiles\dashboard\logs\server1\SystemOut.log, SystemErr.log

This slide lists the locations for the various logs that are created as part of the product installations.

WARNING

- **Check Point Integrity Flex** firewall, version 6.0.116.000 is incompatible with Windows Server and causes a problem that blocks DB2 communication between servers. Even when the firewall is disabled, this problem still occurs.
Uninstall this product before installing Monitor
 - ▶ Symptoms include hanging installation, intermittent networking problems, broken TCP/IP when DB2 is accepting clients ...

Note this slide if you use the Check Point Integrity Flex firewall on Windows.

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