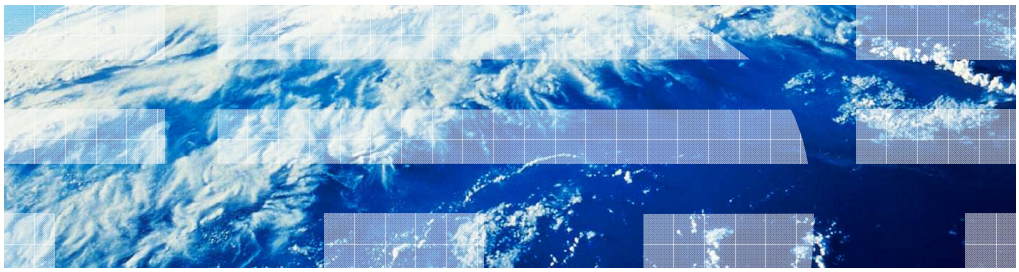
WebSphere Business Monitor

Installation



WebSphere. software

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This presentation should give you an understanding of the installation of WebSphere® Business Monitor.

Goals

- Introduce installation in WebSphere Business Monitor including toolkit and runtime support

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This presentation will give you an understanding of the installation of WebSphere Business Monitor including the monitor model editor in the toolkit, the runtime server and Alphablox®.

Agenda

- Toolkit installation
- Runtime installation
- Launchpad options
- Un-installation
- Logs
- Alphablox installation and configuration

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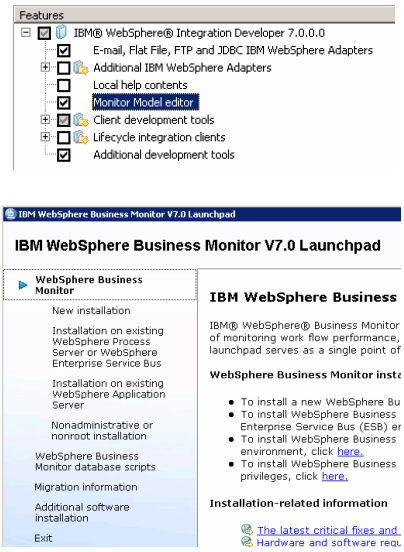
This is the agenda for this presentation. For developing monitor models, you will learn how to install the monitor model editor into the toolkit. You will also learn how to install the monitor server into a stand-alone or Network Deployment environment. You will see screen captures of the various options in the Monitor launchpad. You will see how to uninstall Monitor. For troubleshooting and verification, you are shown the location of installation and runtime logs. And finally you will see how simple it is to install and configure Alphablox for use with multi-dimensional reporting.

Monitor installation procedure

- Toolkit
  - Install WebSphere Integration Developer
    - The monitor model editor is included as a selectable feature
    - Test environment includes Monitor server
  - For Rational® Application Developer, you will install the Monitor toolkit separately
- Runtime
  - Install WebSphere Application Server
  - Install WebSphere Business Monitor using Installation Manager
  - Create WebSphere Business Monitor profiles using profile management tool
  - Configure using topology wizards or deployment environment wizard



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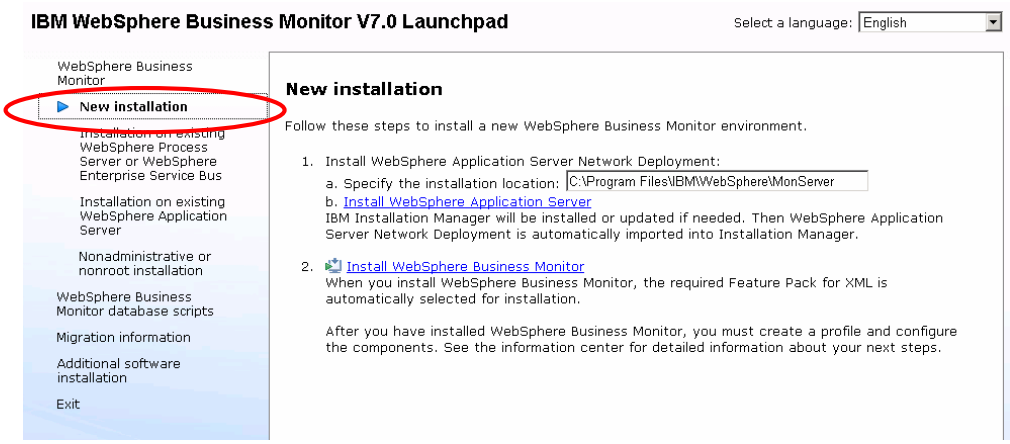
The WebSphere Business Monitor development toolkit provides wizards, libraries, and a test environment to help you create and test monitor models. WebSphere Business Monitor development toolkit can be installed in an existing Rational Application Developer or WebSphere Integration Developer environment. When running the installation wizard for WebSphere Integration Developer, you see the monitor model editor as a selectable feature in the feature list. For Rational Application Developer you will install it first and then there is a separate launchpad to install the monitor toolkit.

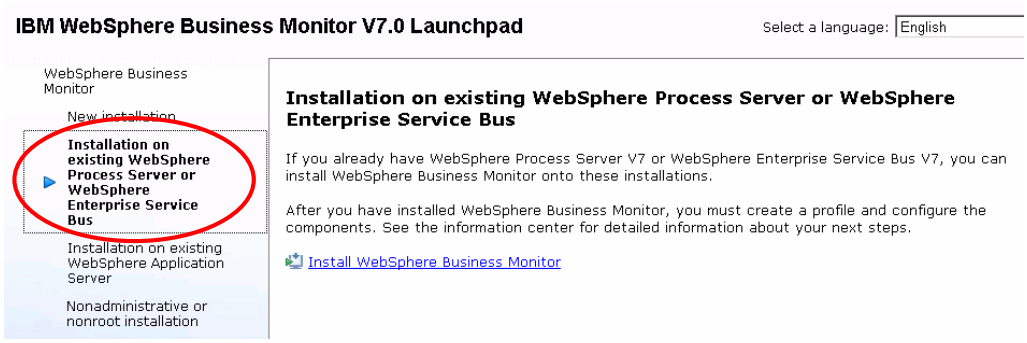
WebSphere Business Monitor server can be installed in multiple topologies. You can install all components on a single server, or you can distribute the components across multiple systems. To achieve a highly available environment with failover support, you can install WebSphere Business Monitor into a clustered environment that uses the WebSphere Application Server clustering mechanism. The installation process includes installing WebSphere Application Server, then following that with the installation of WebSphere Business Monitor using the Installation Manager. Then you will need to create profiles using the profile management tool. After that you can configure the monitor components using the topology wizards, or you can use the deployment environment wizard to generate predefined topologies.

Launchpad new installation



This screen capture shows you the launchpad option for a new installation of WebSphere Business Monitor on WebSphere Application Server. First you specify a location for the install, and then you click to install WebSphere Application Server which installs it in the background. After that you click to install WebSphere Business Monitor which starts Installation Manager for installation of the product.

Installation on WebSphere Process Server or WebSphere Enterprise Service Bus



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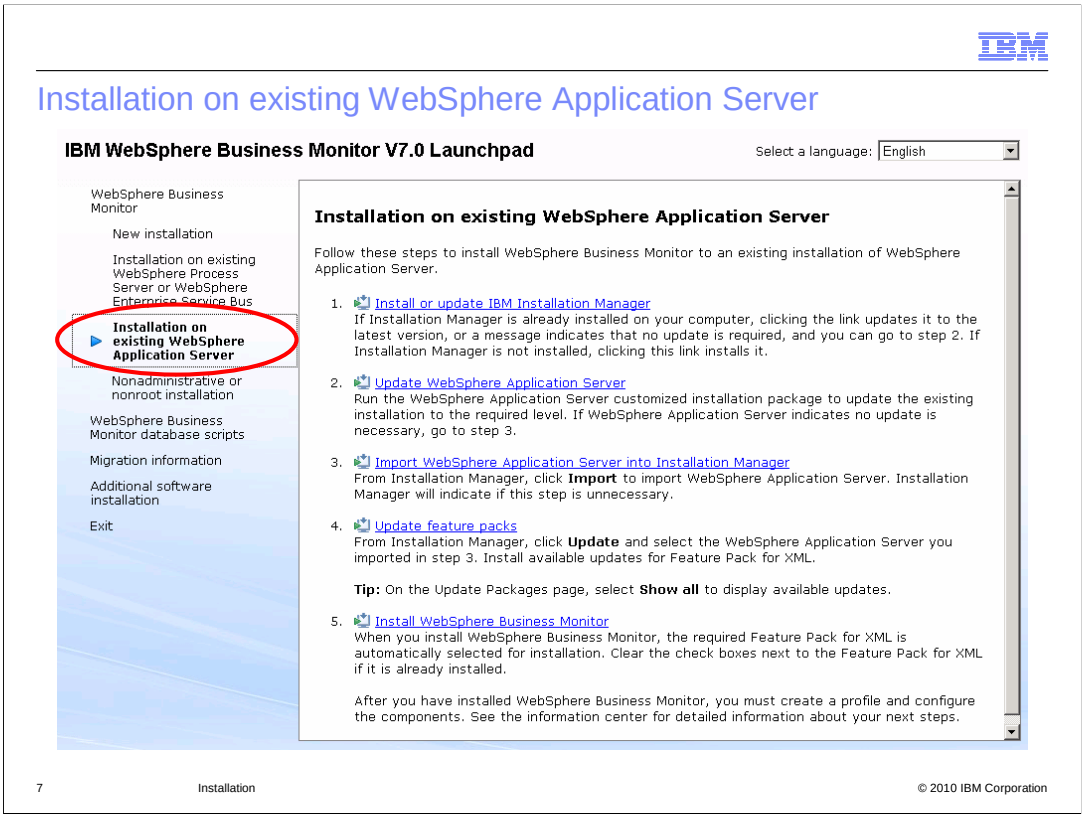
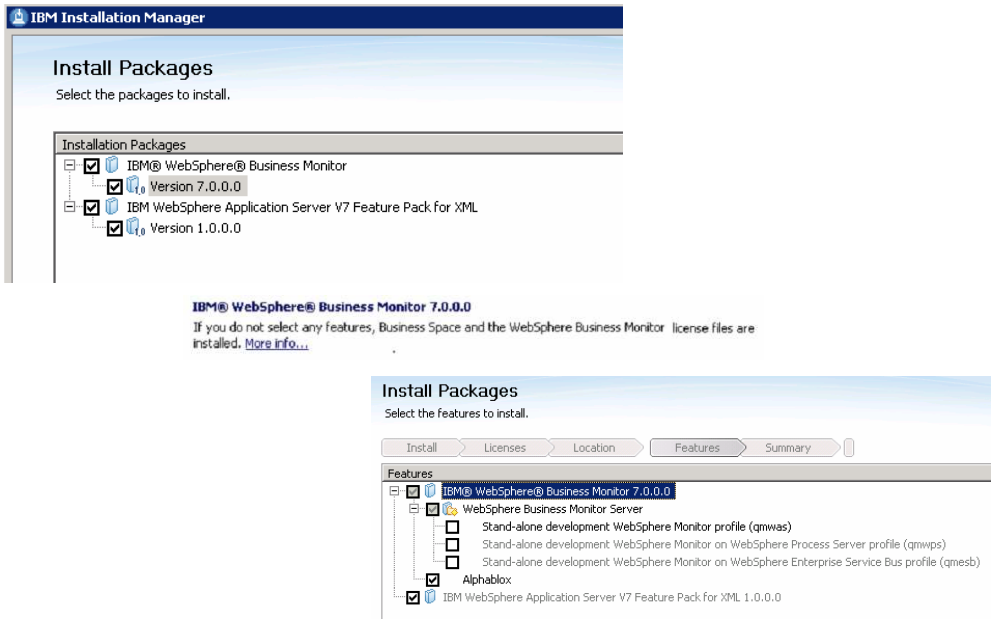
If you have the correct version of WebSphere Process Server or WebSphere Enterprise Service Bus installed, then you can click the option in the Monitor launchpad to use these existing installations. This screen capture shows this option, which provides a link to start Installation Manager to begin installation of Monitor.



If you are installing onto an existing WebSphere Application Server, then there is an option for that in the Monitor launchpad. This screen capture shows the installation process for this option. You install or update to the latest level of Installation Manager, then you update WebSphere Application Server if required. You will update the required XML feature pack and then finally use Installation Manager to install Monitor.

Installation of packages



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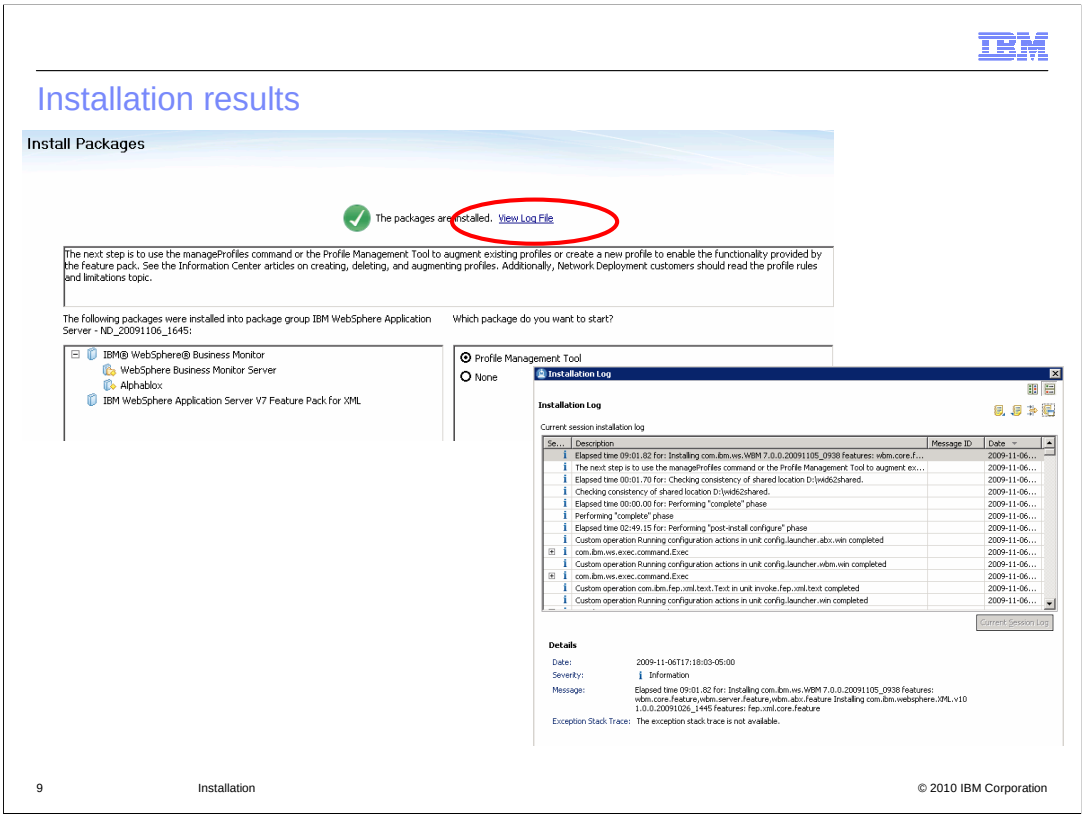
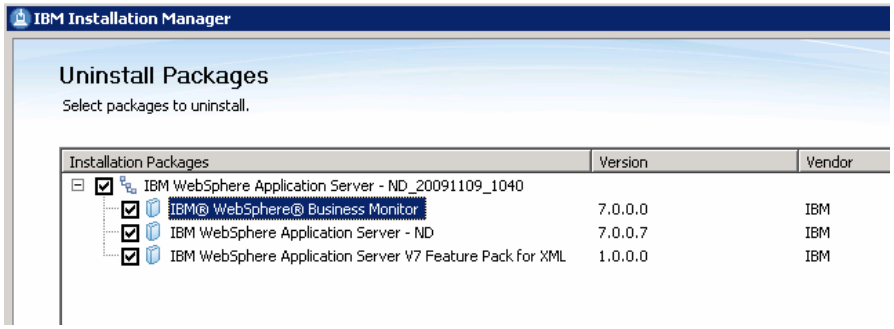
In the Installation Manager, you are prompted to select the Monitor and XML feature pack packages for installation. If you do not select any features in this panel, Business Space and WebSphere Business Monitor license files are installed on the WebSphere Application Server package group that you select. This is helpful in a scenario where an environment has Business Space which is remote to the monitor server. On the features panel, you can select to install various stand-alone server profiles and Alphablox.



When Monitor installation is complete, you are given a confirmation panel. Here you can click the link to view the log file, and then you will see a formatted display of log messages with severity indicator icons.

Uninstall WebSphere Business Monitor

- Start Installation Manager or use <server-path>\uninstall.wbm\uninstall.bat



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To uninstall WebSphere Business Monitor server you can start Installation Manager or you can use the uninstall script in the server uninstall folder. In either case you are given the option of uninstalling Monitor, WebSphere Application Server or the XML feature pack. For the toolkit, you can use Installation Manager and you are given the list of installed features where you can de-select the monitor model editor to remove it from the installation.

Logs

- Monitor and Alphablox installation
  - <server-path>\logs\wbm\install
- Profile creation
  - <server-path>\logs\manageprofiles
- Monitor runtime
  - <server-path>\profiles\<profile-name>\logs
- Alphablox runtime
  - <server-path>\Alphablox\repository\servers\AlphabloxAnalytics\logs\Server_<cluster-member-name>.log

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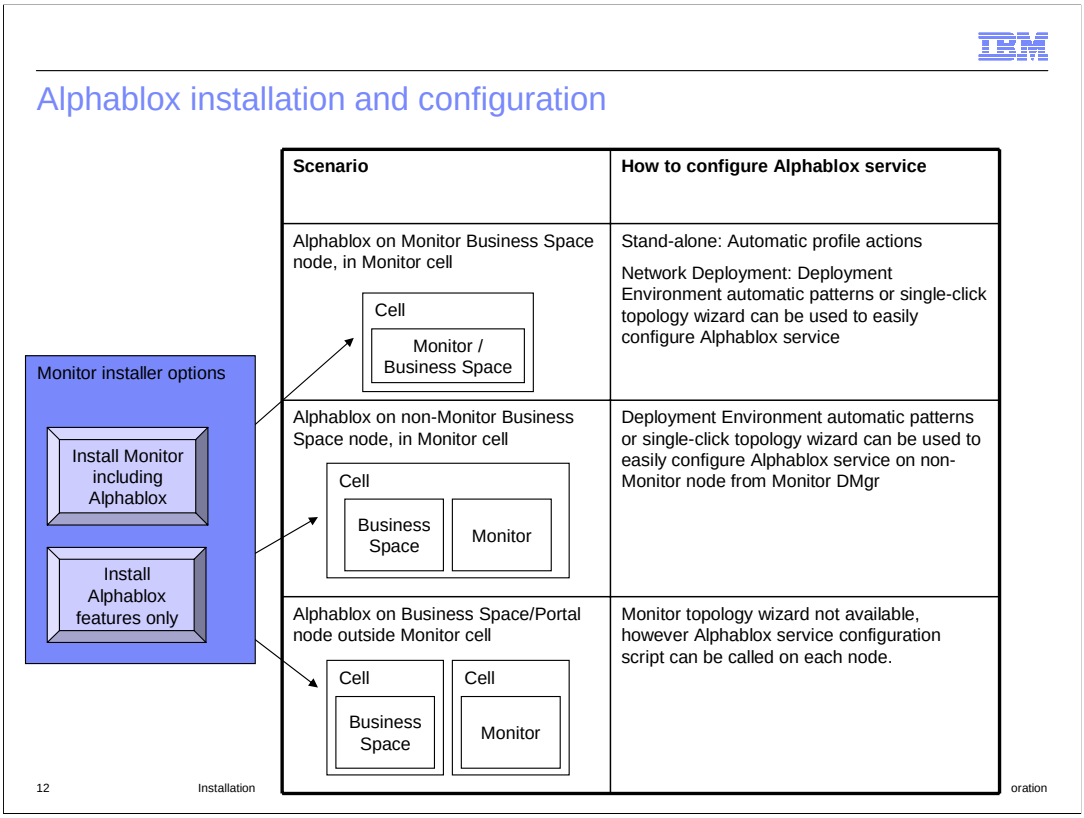
This slide shows the location of the logs for installation and runtime. After installation and profile creation you can check these logs to verify that the installation is successful. There are also runtime logs that you can use to verify ongoing operations for Monitor server and Alphablox.



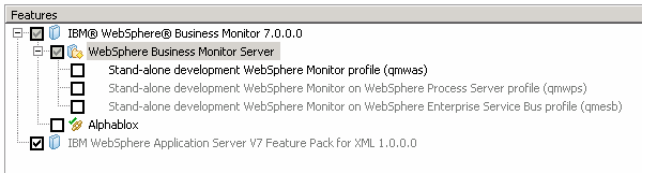
Alphablox is necessary to use the dimensions and reports widgets in business space. Monitor installer lays down Alphablox binaries directly so that the installed Alphablox is ready to go with Monitor's customizations and recommended configuration. Also, instead of creating an Alphablox repository later, the Alphablox tables are created in the Monitor database upon installation of Monitor and there is a single DDL for both Monitor and Alphablox.

So the Alphablox service configuration becomes simple, when you are ready to start using it. It is a single automatic profile action during stand-alone profile creation. Or it is a single automatic step when using Network Deployment Deployment Environment patterns. Or it is a single click when using the Network Deployment topology wizard.

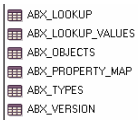
On this slide you see there are two options when running the Monitor installer, either installing Monitor with Alphablox or installing Alphablox alone. The Alphablox only option is useful for those cases where you are installing Alphablox on non-Monitor nodes such as a business space or portal. Generally you can use the wizards to perform the configuration. But in the case of a business space or portal node which is in a different cell from Monitor then you can use a supplied script to configure Alphablox.

Alphablox feature

- Alphablox feature selection is automatic for installation of Monitor server



- Alphablox tables in the Monitor database, rather than in separate database



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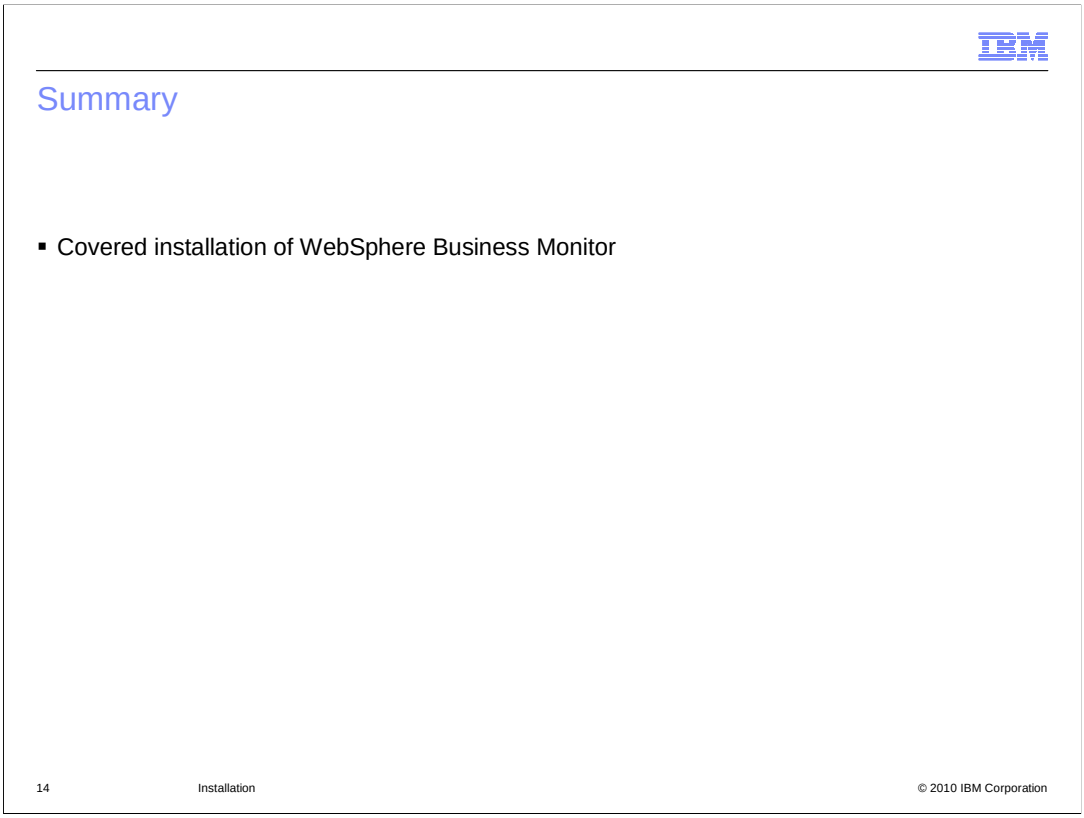
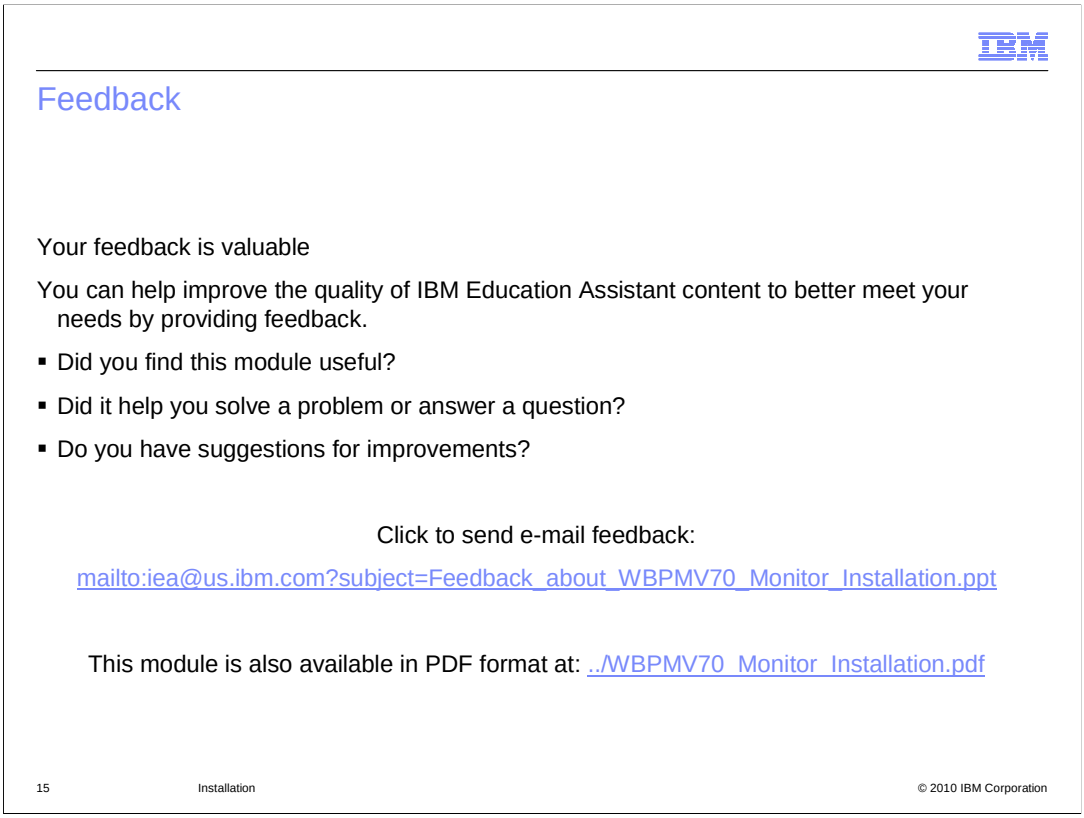
When you are installing Monitor server, Alphablox is included in the feature selection list, and it is selected automatically. Notice the green checkmark in the screen capture that shows that it is automatically selected when you select the Monitor server feature.

The Alphablox tables are automatically created in the Monitor database. In the lower screen capture you see a list of the Alphablox tables all of which have an ABX prefix for the table names.



In summary, this presentation covered the installation of Monitor in a development environment, stand-alone server environment and Network Deployment environment. You learned where to go to find the logs and how to setup Alphablox for use with Monitor.



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