



IBM Software Group

WebSphere® Business Monitor V6.1.2

Installation



@business on demand.

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This presentation should introduce you to changes in Monitor version 6.1.2 in regards to installation, migration and upgrades.

Agenda

- Debugger installation
- Mobile installation
- Business space installation and configuration
- Monitor migration and upgrade
- Portal-based dashboards update
- Pre-installation utility removal



This is the agenda for this presentation.

You will see how to install the monitor model debugger and the mobile dashboard application. You will review the installation and configuration of business space. And you will see how to migrate and upgrade from earlier versions of Monitor, including how to migrate Portal configurations. Finally you will review changes to the installation that affect the pre-installation utility.

Debugger installation

- The installation involves installing two Java EE applications in the test server and plug-ins for the monitor model editor (MME)
 - ▶ Debugger representational state transfer (REST) services – IBM_WBM_DBG_SERVICES
 - ▶ Debugger runtime – IBM_WBM_IVM
- The installation will lay down the debugger EARs and MME plug-ins in <was_root>/installableApps.wbm/debugger
- Toolkit installation will copy the plug-ins into <was_root>/plugins
- During profile augmentation the debugger EARs are deployed only when isDeveloperServer flag is set



The installation of the monitor model debugger involves installing the two listed applications, one for the REST services and one for the runtime. The installer will also place the EAR files and plug-in files into the listed debugger folder. And the toolkit installation will also copy the plug-in files into the plug-ins folder in the application server root folder. Note that the debugger application is only installed if the application server is marked as a development server in the administrative console.

Mobile monitor installation

- Install new Java EE application
 - ▶ MobileDashboard.ear
 - ▶ Always installed, no check box option
 - ▶ The installation will lay down the EAR in <was_root>/installableApps.wbm



For the dashboard which runs on the Blackberry, the installer deploys the MobileDashboard application EAR file. It is always installed, so you are not given an option during the installation process. The installer also places this application in the installableApps.wbm folder in the application server root folder.

Business space installation – toolkit or stand-alone

- New Monitor installation on stand-alone server or toolkit
 - ▶ Install business space EARs in <>/installableApps.wbm – update if newer
 - ▶ Install business space DDLs in <>/scripts.wbm/database/BusinessSpace
 - if newer, will copy over to pending directory
 - ▶ Install business space plug-ins in <>/plugins – update if newer
 - ▶ Install business space administrative console in <>/systemApps – update if newer
 - ▶ Profile management tool (PMT) for stand-alone profile will add business space configuration panel
 - ▶ Create business space JDBC resources (if not already configured)
 - ▶ Create business space tables in Monitor database (if not already configured)
 - ▶ Deploy business space EARs (if newer)
 - ▶ Deploy business space registration files



This slide lists the various steps for installing business space when installing the Monitor toolkit or when installing Monitor on a stand-alone server. The entire process is automatic, including the installation of the applications, database tables and plug-ins. The configuration is automatic as well, including configuration of the resources and updates to the widget registry files and widget endpoint files. If you are installing multiple products onto a single underlying application server, then installation and configuration is automatic. So for example, if you are installing Publishing Server, Monitor and Process Server onto the same application server, then all of the business space widgets for all of these products are installed and registered for you.

Business space installation - upgrade

- Upgrade Monitor 6.1 on stand-alone server
 - ▶ Monitor 6.1.2 refresh pack (using update installer)
 - ▶ Manual steps required after installation
 - Create business space JDBC resources
 - Create business space tables
 - Deploy business space EARs
 - Deploy business space registration files
 - Data migration of 6.1 dashboard data to business space table (via script)

[Application servers](#) > [server1](#) > Business Space Configuration

Use the Business Space Configuration page to install Business Space powered by WebSphere to your runtime environment. Business Space is a common interface for application users to create, manage and integrate Web interfaces across the IBM WebSphere Business Process Management portfolio. The Business Space service is hosted on a server or cluster.

Configuration

General Properties

Install Business Space service

Database schema name

Existing Business Space data source

Create Business Space data source using:



If you are upgrading Monitor 6.1 or 6.1.1 on a stand-alone server, then you will use the update installer to upgrade to version 6.1.2. But the business space installation is not automatic in this case, so you will need to perform the installation and configuration steps manually. You will also need to run a script which will migrate your version 6.1 dashboards to the version 6.1.2 business space. There is a new page on the administrative console which allows you to perform the installation of business space and configure the database resources.

Business space installation – Network Deployment

- Install Monitor 6.1.2 in a network deployment environment
- Manual steps required after installation
 - ▶ Create business space JDBC resources
 - ▶ Create business space tables
 - ▶ Use the 'Business Space Configuration' panel in the administrative console for the cluster to install the business space service
 - ▶ Update monitorWidgets.xml to add/remove widgets
 - ▶ Update widget endpoint file and install on business space server
 - monitorEndpoints.xml
 - monitorABXEndpoints.xml



If you are installing Monitor into a network deployment environment, then you will need to perform the installation and configuration steps manually. You can update the monitor widget registry file if you need to remove widgets or add new ones, although these are initially preconfigured with the standard Monitor widgets. You will need to update the widget endpoint files to identify the location of the widget services to the business space application. Then these endpoint files are stored on the server which is running the business space application. Note that there are two different endpoint files, one for widgets not using Alphablox and another for widgets which use Alphablox services.

For more information on this installation and configuration, refer to the Monitor information center.

Migration from 6.0.2 to 6.1.2

- Install a new Monitor 6.1.2
- Migrate action service configuration using the migration wizard
- Migrate 6.0.2 monitor models and generate EARs using 6.1.2 MME
- Deploy regenerated EARs to Monitor 6.1.2 using the administrative console
- Migrate instances data using the 6.0.2 to 6.1 migration wizard
- Recreate Portal dashboard personalization manually
 - ▶ Same for Monitor 6.0.2 to 6.1 migration
 - ▶ No Web dashboards in Monitor version 6.0.2
- Notes:
 - ▶ Monitor 6.0.2 to 6.1 migration in the information center: Migrating from previous versions > Migrating from WebSphere Business Monitor 6.0.2



When migrating from Monitor version 6.0.2 to version 6.1.2, you will install the latest release, then proceed with the migration. You will use a migration script to migrate the action service configuration. You can easily migrate the 6.0.2 monitor models by opening them with the version 6.1.2 monitor model editor which will automatically migrate them. You will need to redeploy the re-generated monitor model applications. The migration script also migrates your instance data to the version 6.1 format, which happens to be compatible with version 6.1.2 since there are no database changes affecting instances in this release. Since Web dashboards did not exist in version 6.0.2, you only need to be concerned with migration of your Portal dashboards, but you will have to re-create the Portal dashboard personalization manually in the new release. For more information on this migration, there is a topic in the Monitor information center.

Upgrade Monitor 6.1 or 6.1.1 to 6.1.2

- Use Monitor 6.1.2 refresh pack.
- WebSphere Application Server upgrades must be applied before applying the Monitor 6.1.2 refresh pack. No upgrades required to Portal server or Alphablox.
- Monitor 6.1 models are compatible with the upgraded Monitor server.
- Monitor 6.1 database is upgraded because of the shift from Web dashboards in Monitor 6.1 to business space dashboards in Monitor 6.1.2.
- Upgrade to business space dashboard
 - ▶ Business space install is manual
- Utility migrates Web dashboard to business space dashboard
 - ▶ `<server>\scripts.wbm\migration\dashboards\upgradePages.bat`
- Monitor 6.1 portal-based dashboards personalization
 - ▶ Utility upgrades Portal dashboard personalization -
`<server>\scripts.wbm\migration\dashboards\migrateSettings.bat`



To upgrade from Monitor version 6.1 or version 6.1.1, you will use the version 6.1.2 refresh pack and the update installer. You need to upgrade the base application server before you upgrade Monitor. The Portal and Alphablox pre-requisite releases did not change for Monitor version 6.1.2, so no updates are required for them. Also, the version 6.1 monitor models are fully compatible with version 6.1.2 so you can deploy them directly to the upgraded server. The only change to the Monitor database is the addition of tables for the support of business space. As stated in a previous slide, the installation of business space is a manual process when upgrading to the latest version of Monitor.

For your Web dashboards, you can run the upgradePages script to automatically convert them to business space dashboards. For your Portal dashboards, there is a script which will migrate your Portal personalization.

Upgrade toolkit from 6.1 or 6.1.1 to 6.1.2

- Rational® Application Developer and WebSphere Integration Developer updates must be applied before upgrading the Monitor toolkit to 6.1.2.
- The integrated test server upgrades must be applied before applying the Monitor toolkit 6.1.2 refresh pack
- Installation Manager 1.1.1 is required to install the Monitor toolkit 6.1.2 refresh pack. If users have version 1.1.0.2 already installed, launching the update will automatically update to 1.1.1.
- Upgrade to business space dashboards and dashboard migration is automatic
- To install the asset repository later, select modify package option and choose the repository option.



When you upgrade the toolkit from version 6.1 or version 6.1.1, you should make sure that you first apply updates to Rational Application Developer, WebSphere Integration Developer and the integrated test server. You will also need version 1.1.1 of the installation manager, but this application updates itself if you are using version 1.1.0.2 of installation manager. For the toolkit, the upgrade to business space is automatic as is the migration of your Web dashboards to business space. If you don't install the asset repository during the installation, then you can always start the modify packages function in the installation manager at a later time and select the option to install the repository.

Portal dashboard update

- Configure for secure connection to REST services
 - ▶ Prompted for the open port and secured port during installation



In version 6.1 the port was not secure between the REST proxy for the portal dashboard and REST services on the monitor server. A new secure port has been added and the installation wizard asks for both the open port and the secured port.

Pre-installation utility

- Packaging is DVD only
 - ▶ One DVD for each platform supported by Monitor and prerequisites
 - ▶ Toolkit on a separate DVD
- Pre-installation utility no longer needed



In previous releases, the installation preparation utility gathered the required and optional prerequisite software that you wanted to install into a single location. It copied the files from the product CD's or from an uncompressed installation image to a target folder.

In the latest release, one DVD contains all of the Monitor components including pre-requisite components, so the pre-installation utility is no longer required.

Summary

- Covered the changes to the installation, upgrade and migration of Monitor in the latest release.



In summary, you have seen the changes in the installation, upgrade and migration using the version 6.1.2 release of Monitor.

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