IBM WebSphere Operational Decision Management
Version 8 Release 0

Installation Guide

IBM

This edition applies to version 8, release 0, modification 0 of WebSphere Operational Decision Management and to all subsequent releases and modifications until otherwise indicated in new editions.

Contents

Installing

WebSphere® Operational Decision Management supports different possible configurations and execution environments. The installation process is a combination of laying down files on your computer and going on to configuring the system for your specific needs.

You can install WebSphere Operational Decision Management using the launchpad, Installation Manager, or running a silent installation.

Installation overview

The installation overview provides a high-level view of the common steps and decisions you take as you install and configure WebSphere Operational Decision Management in your chosen environment.

WebSphere Operational Decision Management is supported on distributed platforms, and also on z/OS®.

- There is a distributed installer that is used for all platforms: the product launchpad and Installation Manager.

  The launchpad uses Installation Manager to install the prerequisite software and the WebSphere Operational Decision Management packages.

  Note: In a z/OS environment the distributed artifacts are not intended for production use. The distributed tools are intended for development and test.

- System Modification Program/Extended (SMP/E) is used to install additional required files on the target z/OS machines.

  The SMP/E tool installs specific libraries into the installation directories of Decision Center for z/OS and Decision Server for z/OS.

This installation guide describes how to use the distributed installer. For more information on the SMP/E installer, refer to the Program Directory PDF. This document is part of the WebSphere Operational Decision Management for z/OS shipment. The physical shipment of the product includes a printed copy of the Program Directory. You can also download the Program Directory from www.ibm.com/software/ShopzSeries.

After completing the installation of WebSphere Operational Decision Management, the final step after the development phase of your project, is to configure your chosen execution environment on a production server. This post-installation configuration is necessary, for example, to set up access on the application server, define databases and enable communication between the various components.

The following figure shows which platform the products are installed on, how they are installed, and what configuration steps are required post-installation.

WebSphere Operational Decision Management
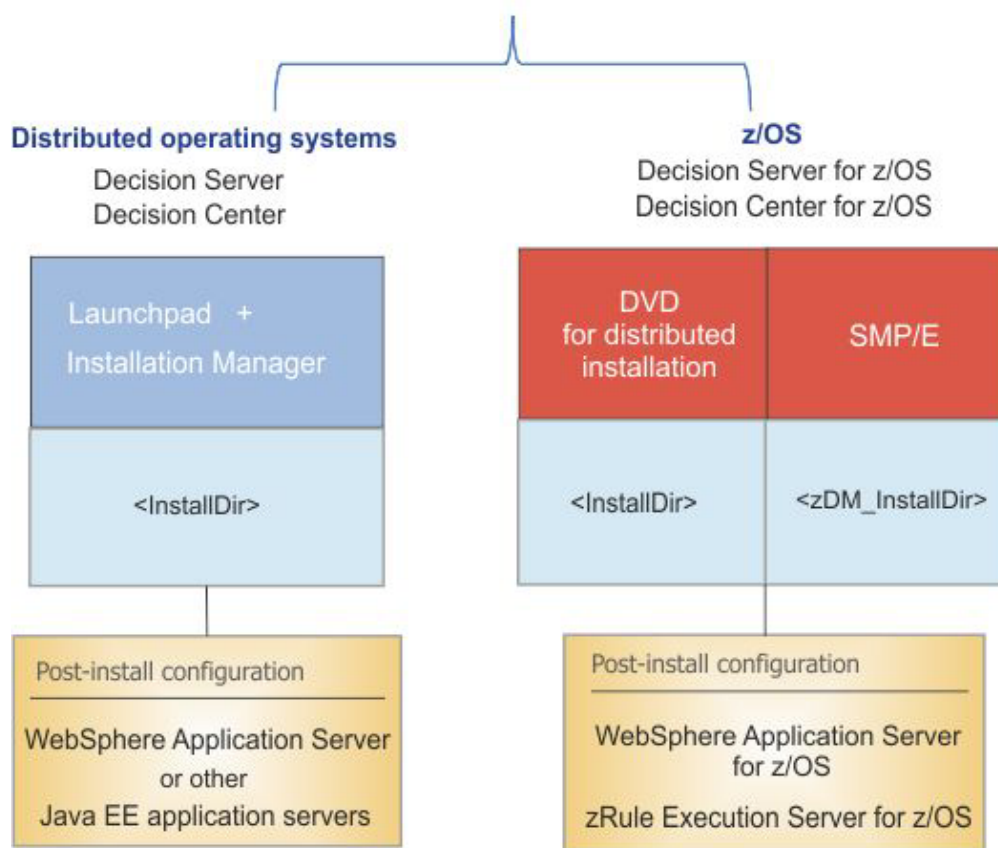
On a distributed platform, the following list of components provides an example of a WebSphere Operational Decision Management installation:

Table 1. Components on WebSphere Operational Decision Management distributed

WebSphere Decision Server	WebSphere Decision Center	Sample Server
• Rule Designer and Event Designer: development environments based on Eclipse. • Rule Execution Server: execution environment for business rules. • Event runtime: execution environment for event rules.	• Decision Center Enterprise Console and Decision Center Business Console: authoring environments for business users to author, manage and test their business rules. • Rule Solutions for Office: an environment for business users to author rules in Microsoft Word and Excel. • Business Space widgets including a widget for Decision Center.	A server to run applications, samples, and tutorials on WebSphere Application Server Network Deployment.

If your chosen execution environment is z/OS, the following list of components provides an example of a WebSphere Operational Decision Management installation:

Table 2. Components on WebSphere Operational Decision Management for z/OS

WebSphere Decision Server for z/OS	WebSphere Decision Center for z/OS
• Rule Designer and Event Designer: development environments based on Eclipse • Rule Execution Server: execution environment for business rules on WebSphere Application Server for z/OS. • Event runtime: execution environment for event rules on WebSphere Application Server for z/OS. • zRule Execution Server for z/OS: execution environment to run business rules on a stand-alone server.	• Decision Center Enterprise Console and Decision Center Business Console: authoring environments for business users to author, manage and test their business rules. • Rule Solutions for Office: an environment for business users to author rules in Microsoft Word and Excel. • Business Space widgets including a widget for Decision Center.

Before starting the installation, identify the components that you need to install and check the prerequisites for installing WebSphere Operational Decision Management, see "Prerequisites" on page 5. There are a number of ways to install WebSphere Operational Decision Management: typical installations help you install predefined configurations, and the custom installation helps you customize your configuration. Take a look at "Configurations and application server topologies" on page 4 to understand the possible configurations.

If do not have the prerequisites installed or if you are missing some, see "Installing from the product launchpad" on page 6. If you have the prerequisites installed, see "Running Installation Manager" on page 20.

Typical installations

To help you get started with WebSphere Operational Decision Management, the distributed installer provides some predefined configurations and profiles for use on WebSphere Application Server which is installed as a prerequisite for these configurations.

The installer proposes the following configurations for a typical installation:
• **Sample Server installation**: Installs the complete WebSphere Operational Decision Management product, along with the applications and project to run the samples and tutorials.
• **Stand-alone Server installation**: Enables you to select the packages that you want to install, and configures a single server profile on WebSphere Application Server.

Custom installation

You can also choose to customize completely your installation. You must use Installation Manager to select the components that you want to install.

Related information:

"Installing from the product launchpad" on page 6
Use the product launchpad to install WebSphere Operational Decision
Management as well as the prerequisite software.

"Installing using Installation Manager" on page 16
In Installation Manager you can choose the packages and components of
WebSphere Operational Decision Management that you want to install and for
which you have a license.

Configurations and application server topologies

Before installing WebSphere Operational Decision Management, it is important to
consider how you want to use Decision Center and Decision Server, and whether
you plan to configure them on an existing production server.

Several components of WebSphere Operational Decision Management, such as
Decision Center, Rule Execution Server, Business Space, as well as the decision and
event widgets require some configuration to work on a production application
server.

WebSphere Application Server V8 can be installed to demonstrate the products, see
"Sample Server: development, test, and tutorials." You can also choose to use the
components on a stand-alone WebSphere Application Server profile, see
"Stand-alone Server: development and production." If you already have an
application server that you want to use for any reason, you can manually deploy
and configure the components on an existing instance or in a cluster, see "Custom
configuration: development and production" on page 5.

Sample Server: development, test, and tutorials

The Sample Server is the default option for developing, testing, and running
samples and tutorials. This option is not for production use.

The Sample Server is a profile on WebSphere Application Server V8 that contains
the deployed components and applications to run the samples, tutorials, as well as
the Getting Started tutorials. You can use the Sample Server to test the different
features of WebSphere Operational Decision Management. This configured server
includes an embedded Apache Derby database and WebSphere Application Server
default messaging as the messaging provider.

The Sample Server does not require any configuration. The profile is created the
first time that you start the Sample Server after installing the product.

Stand-alone Server: development and production

You can use the Stand-alone Server option for development or small-scale
production environment. This simple topology installs WebSphere Operational
Decision Management on a single WebSphere Application Server stand-alone
server. It is not configured for clustering.

When installing through the launchpad, this option requires little or no
post-installation configuration. The server profile is created based on a set of
parameters that you enter at installation time. When the installation is complete,
the profile is created and configured based on the information that you entered.
The stand-alone server profile is configured with the relevant augmentations, and

the WebSphere Operational Decision Management components such as Decision Center, Rule Execution Server, Business Space and the widgets, are ready to use. However, the sample and tutorial applications are not available.

You must select a database that you have created prior to the installation of WebSphere Operational Decision Management. The supported databases are DB2®, DB2 for z/OS, Oracle, Microsoft SQL Server, and Derby Network Server.

For the Events runtime, you must also select the type of messaging service. The options are WebSphere Application Server default messaging or WebSphere MQ.

Custom configuration: development and production

To use the WebSphere Operational Decision Management components in a production environment, some configuration is required after completing the installation steps for the products. The installer includes the archives to deploy and configure Decision Center, Decision Server Rules, and Decision Server Events on WebSphere Application Server.

For Decision Center and Decision Server Rules only, you can also install the components on other supported application servers.

After installing the product, you must configure the applications on your chosen application server as described in the Configuring sections of the Decision Center and Decision Server documentation.

Installation prerequisites

Before installing WebSphere Operational Decision Management make sure that you have the required environments and software.

Prerequisites

Before installing WebSphere Operational Decision Management, you must have the required software installed. You can install these prerequisites using the product launchpad. For more information, see "Installing from the product launchpad" on page 6.

WebSphere Operational Decision Management has the following prerequisites:
- IBM® Installation Manager

  Installation Manager is required to install the WebSphere Operational Decision Management packages.
- WebSphere Application Server Network Deployment

  WebSphere Application Server is required to run the samples and tutorials. WebSphere Application Server Network Deployment is required to install the event runtime and Business Space widgets.

  Note: Before installing WebSphere Application Server on Linux and AIX® systems, you must set the process resource limits in the `/etc/security/limits.conf` file. If the value for the number of open files is too low, errors might occur when opening files or establishing connections. To change the open file limit, edit the `/etc/security/limits.conf` file, and add the following values:
  ```
  hard nofile 100000
  soft nofile 100000
  ```
- WebSphere eXtreme Scale

WebSphere eXtreme Scale is required to install the event runtime. You must install WebSphere eXtreme Scale in the directory of WebSphere Application Server.
- IBM Business Space

Business Space is required to install the Business Space widgets.

For more information on the supported versions for these prerequisites, see "Software requirements."

Software requirements

For detailed system and software requirements, see the IBM WebSphere Operational Decision Management support pages.

For distributed platforms:
- Detailed hardware and software requirements for IBM WebSphere Decision Server V 8.0
- Detailed hardware and software requirements for IBM WebSphere Decision Center V 8.0

For the z/OS platform:
- Detailed system requirements for IBM WebSphere Decision Server for z/OS V 8.0
- Detailed system requirements for IBM WebSphere Decision Center for z/OS V 8.0
- Detailed system requirements for IBM WebSphere Business Rules for z/OS V 8.0

The launchpad uses Installation Manager which is a 32-bit application dynamically linked to 32-bit libraries that might not exist on some 64-bit systems such as Red Hat Enterprise Linux (RHEL) 6.0 and 6.1. If you are using these systems, you must install 32-bit libraries prior to using the launchpad or Installation Manager, see the technote Unable to install Installation Manager on RHEL 6.0/6.1 (64-bit).

Related tasks:

"Installing a custom configuration" on page 14
Use the Custom installer to install the prerequisites that you need and select the packages and features that you want. The Custom installer also allows more specific installation configurations such as the installation in an existing Eclipse or IBM product.

"Installing the product and the Stand-alone Server" on page 11
Use the Stand-alone Server installer to install on a single server suitable for development and production purposes.

Related information:

"Installing from the product launchpad"
Use the product launchpad to install WebSphere Operational Decision Management as well as the prerequisite software.

Installing from the product launchpad

Use the product launchpad to install WebSphere Operational Decision Management as well as the prerequisite software.

The launchpad installs IBM Installation Manager if it is not already on your computer, and configures Installation Manager with the location of the repository that contains the packages for WebSphere Operational Decision Management.

When you install WebSphere Operational Decision Management from the launchpad, you select a typical installation that determines the environment enabled after the installation. In a typical installation such as the Sample Server or the Stand-alone Server, the launchpad installs the prerequisites for WebSphere Operational Decision Management. It then installs the components for WebSphere Decision Center and WebSphere Decision Server. The installer also configures these components on a WebSphere Application Server profile.

The **Sample Server** installation creates a server profile on WebSphere Application Server to run the samples and tutorials.

The **Stand-alone Server** installation creates a single stand-alone server profile on WebSphere Application Server.

The following figures shows a typical installation with the launchpad on the Sample Server or on the Stand-alone Server.

Typical installation
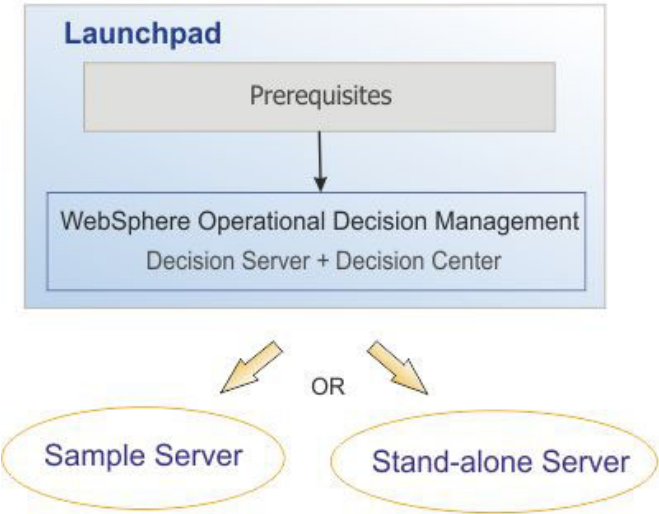
In the launchpad, the **Custom** installer provides links to install the prerequisites manually, and then prompts you to select the features within each package that you want to install. For example, if you want to select the archives for deploying Rules on an application server other than WebSphere Application Server, or if you prefer installing the help system locally rather than have the default online help.

You select the type of installation depending on your needs and requirements. The following table shows different installation scenarios and the type of installation that you can choose.

Table 3. Installation scenarios

If you want to ...	Then choose the ...
Install the complete and ready-to-use product with no post-configuration, to test and evaluate the product, and run the samples and tutorials.	Sample Server installer

Table 3. Installation scenarios (continued)

If you want to ...	Then choose the ...
Install on a ready-to-use stand-alone server suitable for production, with your chosen database, but no samples or tutorials.	Stand-alone Server installer
Install only the components that you need.	Custom installer / Installation Manager
Extend an existing Eclipse.	Custom installer / Installation Manager
Install in a compatible IBM product.	Custom installer / Installation Manager
Install on a production server. This requires some configuration after the installation of the product.	Custom installer / Installation Manager

Related concepts:

"Installation prerequisites" on page 5
Before installing WebSphere Operational Decision Management make sure that you have the required environments and software.

Related tasks:

"Installing a custom configuration" on page 14
Use the Custom installer to install the prerequisites that you need and select the packages and features that you want. The Custom installer also allows more specific installation configurations such as the installation in an existing Eclipse or IBM product.

"Installing the product and the Stand-alone Server" on page 11
Use the Stand-alone Server installer to install on a single server suitable for development and production purposes.

Starting the product launchpad

Start the launchpad to install the prerequisites and WebSphere Operational Decision Management.

Before you begin

Several disks or DVDs are provided for the complete installation of WebSphere Operational Decision Management including prerequisite software. Each DVD or disk contains one or several components. Before starting the launchpad, make sure that all the disks are in the same folder.

Tip: Running the launchpad directly from the DVDs can take be slow. To improve the performance, copy the contents of the DVDs onto your computer before starting the launchpad.

About this task

To start the product launchpad, run the executable corresponding to your environment. The launchpad executable files are located in the root directory of the DVDs or extracted files.

The user privileges depend on the account that you used to log in to your computer. However, if you install the product using the launchpad Custom installer, you can choose to install in a shared location for multiple users, or to a single location for a specific user.

On Windows, if you want to install the product as an administrator, the user privileges required for installing it depend on your version of Windows.

- On **Windows 7**: You must log in with an Administrator account to install or update IBM Installation Manager and the other products. Alternatively, run the installer as Administrator by right-clicking the program file or shortcut and selecting **Run as Administrator**.
- On **Other supported Windows versions**, you must have a user ID that belongs to the Administrator group.

Procedure

To start the launchpad:

Run one of the following executable files:

- On **Windows**, run `launchpad.exe`, or `launchpad64.exe` for a 64-bit system.

  The `launchpad.exe` and `launchpad64.exe` files define the bit size that the launchpad itself runs in.
- On **Linux**, run `./launchpad.sh`.

What to do next

Select the type of installation that you want to perform: Sample Server, Stand-alone Server, or Custom.

Related tasks:

"Installing the product and the Sample Server"
The Sample Server installer installs all of the prerequisites, as well as the packages in the WebSphere Operational Decision Management product family. A sample server profile on WebSphere Application Server is also created to run the samples and tutorials.

"Installing the product and the Stand-alone Server" on page 11
Use the Stand-alone Server installer to install on a single server suitable for development and production purposes.

"Installing a custom configuration" on page 14
Use the Custom installer to install the prerequisites that you need and select the packages and features that you want. The Custom installer also allows more specific installation configurations such as the installation in an existing Eclipse or IBM product.

Installing the product and the Sample Server

The Sample Server installer installs all of the prerequisites, as well as the packages in the WebSphere Operational Decision Management product family. A sample server profile on WebSphere Application Server is also created to run the samples and tutorials.

About this task

This option installs the prerequisites (WebSphere Application Server, WebSphere eXtreme Scale and IBM Business Space), as well as WebSphere Decision Center and WebSphere Decision Server. The launchpad installs WebSphere Operational Decision Management and the prerequisite software silently.

Note: If you cancel the installation before its completion, the files and folders that have already been copied onto your computer are not deleted. You must uninstall

the products that the launchpad has already installed using Installation Manager, and manually delete the remaining files before running the launchpad again. For more information on how to uninstall, see "Uninstalling the product" on page 39.

If you do not have a license for WebSphere Decision Center, you can still use WebSphere Decision Center, but only to perform samples and tutorials.

Procedure

To install WebSphere Operational Decision Management on the Sample Server:

1. On the Welcome page of the launchpad, in the **Sample Server** section, click **Next**.
2. Keep the default installation directory for WebSphere Operational Decision Management or click **Browse** to specify a different location.

   Tip: On Windows 7, the `Program Files` and `Program Files (x86)` directories are protected. The consequence of this is that, if you are not installing the product as an administrator, you might encounter difficulties running certain programs. To avoid this issue, install the product in a directory other than `Program Files` or `Program Files (x86)`.
3. Enter a user ID and password for logging into the WebSphere Application Server administration console and other applications such as Business Space. For example:
   - User ID: `wodmadmin`
   - Password: `wodmadmin`

   Your user ID and password must not contain any space characters.
4. Click **Next**.
5. Review the license agreement and notices, and select the check box to agree to the terms.
6. At the bottom of the page, click **Install Software**.

   During the installation, the installer might prompt you to confirm that you want to run the Installation Manager and other installation programs, click **Yes** to accept.

   Important:

   The installation might take a long time to complete. Do not close the launchpad even if the progress bar shows 100% completion.
7. Wait until you get the message: `Installation completed successfully`

   The installation of the prerequisites and WebSphere Operational Decision Management is complete.
8. Click **Close**, and then click **Exit**.
9. Click **OK** to confirm that you want to exit the launchpad.

Results

By default, the product and the prerequisites are installed in the following directories:
- WebSphere Operational Decision Management: *<IBM_InstallDir>*/WODM80/WODM, where *<IBM_InstallDir>* refers to your IBM installation directory.

- WebSphere eXtreme Scale, WebSphere Application Server, and Business Space: *<IBM_InstallDir>*/WODM80/WAS/AppServer, where *<IBM_InstallDir>* refers to your IBM installation directory.

After running the Sample Server installer in launchpad, you have Rule Designer, Event Designer installed on your computer. Rule Execution Server, the event runtime, and Decision Center are also installed and ready to be deployed to the Sample Server on WebSphere Application Server Network Deployment.

What to do next

The first time that you start the Sample Server using the start menu shortcut, a profile is configured on WebSphere Application Server Network Deployment 8.0 to run the included samples and tutorials in a Java EE environment, see "Get started with the Sample Server" on page 37.

Related concepts:

"What to do next" on page 37
Depending on your installation, you might have some configuration to do after completing the installation of WebSphere Operational Decision Management.

Installing the product and the Stand-alone Server

Use the Stand-alone Server installer to install on a single server suitable for development and production purposes.

Before you begin

To install WebSphere Operational Decision Management on a stand-alone server, you must have an existing database. The product supports the following database types for the Rules and Events repositories:
- IBM DB2 Universal Database™
- IBM DB2 for z/OS
- Microsoft SQL Server
- Oracle
- Derby Network

If you want to use WebSphere MQ as the JMS provider for the event runtime, make sure that you have the WebSphere MQ client installed on your computer, and that you have created the WebSphere MQ resources: queue manager name, host, port, transport type, and channel.

About this task

In the Stand-alone Server installer, you select the components that you want to install and for which you have a license. The Stand-alone Server option also installs the prerequisite software to develop and deploy applications: WebSphere Application Server, WebSphere eXtreme Scale and IBM Business Space. The launchpad installs WebSphere Operational Decision Management and the prerequisite software silently.

If you do not have a license for WebSphere Decision Center, you can still use WebSphere Decision Center, but only to perform samples and tutorials.

The stand-alone server installer also prompts you to enter a set of parameters to create a single stand-alone server on WebSphere Application Server.

Note: If you cancel the installation before its completion, the files and folders that have already been copied onto your computer are not deleted. You must uninstall the products that the launchpad has already installed using Installation Manager, and manually delete the remaining files before running the launchpad again. For more information on how to uninstall, see "Uninstalling the product" on page 39.

Procedure

To install using the Stand-alone Server installer:

1. On the Welcome page, in the **Stand-alone Server** section, click **Next**.
2. Enter the information required to install and configure Decision Center and Decision Server:
   a. Keep the default installation directory for WebSphere Operational Decision Management or click **Browse** to specify a different location.

      Tip: On Windows 7, the `Program Files` and `Program Files (x86)` directories are protected, therefore if you are not installing the product as an administrator, you might encounter difficulties running certain programs. To avoid this issue, install the product in a directory other than `Program Files` or `Program Files (x86)`.

   b. Enter a user ID and password for logging into the WebSphere Application Server administration console and all the other applications running on WebSphere Application Server such as Business Space and Decision Center. For example:
      - User ID: `wodmadmin`
      - Password: `wodmadmin`

      Your user ID and password must not contain any space characters.

   c. Select the components that you want to install and for which you have a license:
      - Decision Server Rules
      - Decision Server Events
      - Decision Center

   d. Select the method for allocating port values on the Stand-alone server:
      - Recommended port values

        This option ensures that the port numbers are different from any other installations of WebSphere Application Server on the computer.
      - Default WebSphere Application Server port values

        This option uses the standard port numbers. However, you can run only one instance of WebSphere Application Server using these values at a time.

3. Click **Next**.
4. Specify the database to use:
   a. Select the database type.
   b. Enter the connection and authentication details of your database.
5. Click **Test Connection** to make sure that the values that you have entered are correct.

   Note: You cannot test the connection of a database on Derby Network Server.

6. Click **Next**.

7. Select the type of messaging to use for internal communications in Decision Server Events:
    - WebSphere Application Server default messaging
    - WebSphere MQ

      If you select Websphere MQ, you must manually create the resources and enter the details required.
8. Click **Next**.
9. Review the license agreement and notices, select the check box to agree to the terms, and then click **Install Software**.

   At the end of the installation, the script to create the stand-alone server profile is started. Wait until it is completed.

Results

By default, the product and the prerequisites are installed in the following directories:
- WebSphere Operational Decision Management: *<IBM_InstallDir>*/WODM80/WODM, where *<IBM_InstallDir>* refers to your IBM installation directory.
- WebSphere eXtreme Scale, WebSphere Application Server, and Business Space: *<IBM_InstallDir>*/WODM80/WAS/AppServer, where *<IBM_InstallDir>* refers to your IBM installation directory.

After running the Stand-alone installer in the launchpad, depending on what you have selected, you have the following components installed on your computer:
- Decision Server Rules: Rule Designer and Rule Execution Server
- Decision Server Events: Event Designer and the event runtime
- Decision Center: Decision Center Business Console and Decision Center Enterprise Console.

After completing the installation of WebSphere Operational Decision Management, the Stand-alone Server is configured, and you can start the server using the start menu shortcut.

However, if you want to use some of the events Properties tool and legacy connectors, you must perform additional configuration steps. For more information, see "Get started with the Stand-alone Server" on page 38.

Related concepts:

"What to do next" on page 37
Depending on your installation, you might have some configuration to do after completing the installation of WebSphere Operational Decision Management.

"Installation prerequisites" on page 5
Before installing WebSphere Operational Decision Management make sure that you have the required environments and software.

Related information:

"Installing from the product launchpad" on page 6
Use the product launchpad to install WebSphere Operational Decision Management as well as the prerequisite software.

Installing a custom configuration

Use the Custom installer to install the prerequisites that you need and select the packages and features that you want. The Custom installer also allows more specific installation configurations such as the installation in an existing Eclipse or IBM product.

About this task

You can use the Custom installer to install the prerequisites that you need, and to select the packages for which you have a license and the features that you want to install. In the Custom installer, you use Installation Manager to install WebSphere Decision Center and WebSphere Decision Server.

You also have the possibility to specify the user privileges that you want to apply, for example if you want to install in a shared location for multiple users.

Use the launchpad to verify that you have the correct versions of the prerequisites installed. If you do not have the required software installed, use the links provided in the launchpad to install the required software. For more information, see "Prerequisites" on page 5.

Procedure

To customize your installation:

1. On the Welcome page, in the **Custom** section, click **Next**.

   You can now define the user privileges for the installation, the prerequisites to install, and start the installation of the WebSphere Operational Decision Management packages.

2. Specify the user privileges for the installation of the prerequisites and of WebSphere Operational Decision Management:

   • If you are an administrator or root user and you want to install as a administrative user, keep the default check box **Install in a shared location for multiple users** selected.

   • If you are not an administrator or if you want to install to your own user name, clear the check box **Install in a shared location for multiple users**.

   Note: You must install WebSphere Application Server and WebSphere Operational Decision Management with the same user privileges. For more information, see "User privileges" on page 18.

3. If you do not have Installation Manager installed, click **Install IBM Installation Manager**, and follow the steps in the installation wizard.

4. Click **Install IBM WebSphere Application Server Network Deployment** to run IBM Installation Manager.
   a. Follow the steps in Installation Manager.

      Important: **Do not** select the option **Sample applications** in the WebSphere Application Server feature tree. This prevents the event runtime from running correctly.
   b. At the end of the installation, do not open the Profile Management Tool.

      No profile has been created yet.

      By default WebSphere Application Server is installed in `<IBM_InstallDir>/WebSphere/AppServer`, where *<IBM_InstallDir>* refers to your IBM installation directory.
5. Click **Install WebSphere eXtreme Scale** to install a supported version of eXtreme Scale using the installation wizard.
   a. Follow the steps in the installation wizard.
   b. When prompted to indicate the installation directory, make sure that the path corresponds to your WebSphere Application Server directory. For example, `C:\Program Files\IBM\WebSphere\AppServer`. You must install WebSphere eXtreme Scale in the same directory in which you installed WebSphere Application Server.

      You might get a warning on the version of WebSphere Application Server. If you used the version of WebSphere Application Server packaged in the launchpad, you can ignore this warning, and click **Next** to continue the installation.
   c. At the end of the installation, clear **Launch the Profile Management Tool console**, and then click **Finish**.

      No profile has been created yet.
6. Click **Install IBM Business Space powered by WebSphere** to install a supported version of Business Space using IBM Installation Manager, and follow the steps in Installation Manager.
7. After installing all the prerequisites, install the WebSphere Operational Decision Management packages using one of the following options:
   - Click **WebSphere Decision Center** to install only WebSphere Decision Center.
   - Click **WebSphere Decision Server** to install only WebSphere Decision Server.
   - Click **Decision Server + Decision Center** to install both WebSphere Decision Center and WebSphere Decision Server.
8. Install WebSphere Operational Decision Management as described in "Running Installation Manager" on page 20.

Related concepts:

"What to do next" on page 37
Depending on your installation, you might have some configuration to do after completing the installation of WebSphere Operational Decision Management.

"Installation prerequisites" on page 5
Before installing WebSphere Operational Decision Management make sure that you have the required environments and software.

Related information:

"Installing using Installation Manager"
In Installation Manager you can choose the packages and components of WebSphere Operational Decision Management that you want to install and for which you have a license.

"Installing from the product launchpad" on page 6
Use the product launchpad to install WebSphere Operational Decision Management as well as the prerequisite software.

Installing using Installation Manager

In Installation Manager you can choose the packages and components of WebSphere Operational Decision Management that you want to install and for which you have a license.

Installation Manager enables you to install only a subset of WebSphere Operational Decision Management. In Installation Manager, you can also customize your installation for specific configurations, for example:

- Extending an existing Eclipse.
- Installing WebSphere Operational Decision Management in another compatible IBM product.
- Getting the archives for configuring on an application server other than WebSphere Application Server.
- Installing the local help system.

You can use Installation Manager to install WebSphere Operational Decision Management if you already have the prerequisite software installed, see "Prerequisites" on page 5.

The following figure shows the paths for installing using Installation Manager through the launchpad, or directly by adding the repository locations in the preferences of Installation Manager. If you do not have the prerequisites installed, use the launchpad to install the software required for the components that you want to install. However, if you have the prerequisites already installed, or if you want to install a component that does not require any prerequisites, you can use Installation Manager directly. For example, if you want to install only Rule Designer.
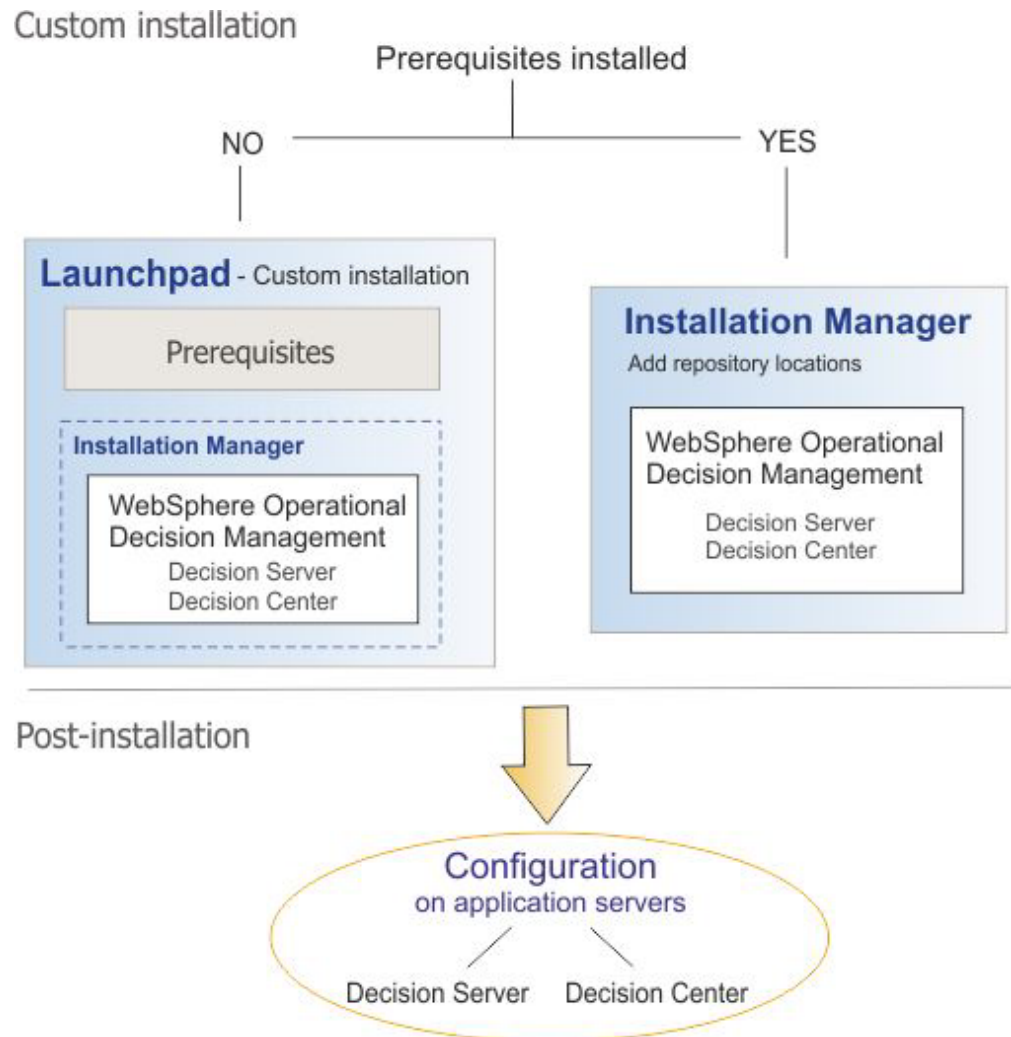
IBM WebSphere Operational Decision Management is split into packages, which correspond to installable units also known as offerings:

- **WebSphere Decision Center**: An environment for business users to author, manage, and test business rules and event rules.
- **WebSphere Decision Server**: Development and runtime environments for business rules and business events.

To install the WebSphere Operational Decision Management packages, Installation Manager must access the repositories that contain the packages to install. When you use the product launchpad, Installation Manager already knows the repositories to use to install the product. However, if you are not using the launchpad you must specify in Installation Manager, the repository URLs for WebSphere Decision Center and WebSphere Decision Server.

After completing the installation of the product using Installation Manager, you still have to configure Decision Center and Decision Server to use WebSphere Operational Decision Management in production.

Installation Manager basics

IBM Installation Manager is a tool that you use to install and maintain your IBM products.

When using Installation Manager you need to be aware of a few concepts such as package groups, the shared directory, the Eclipse languages. You must also choose the user privileges to perform your installation and understand what each role involves.

User privileges

You can install WebSphere Operational Decision Management as an administrative user (root) or as a non-administrative user (non-root).

Important:

You must use the same user to install the required software, for example you must install WebSphere Operational Decision Management and WebSphere Application Server using the same user.

For more information on the Installation Manager guidelines, see Group road maps and the user interface and Install as an administrator, non-administrator, or group in the Installation Manager documentation.

Administrator user

If you want the administrator user (root) to install products on a computer, run the `install` executable file located in your Installation Manager installation kit.

Non-administrator user

If you want a specific user to install products on a computer, run the `userinst` executable located in your installation kit.

If you want a group of users to install products on a computer, run the `groupinst` executable located in the installation kit. If you install Installation Manager using the group mode, you can install Installation Manager using one account and install offerings using another account which is in the same group.

Note:

Group mode is not supported on Windows.

For more information, see Installation commands in the Installation Manager documentation.

Package groups and the shared directory

Installation Manager always installs WebSphere Operational Decision Management in a package group, which is used to group multiple packages into one manageable location.

When installing WebSphere Operational Decision Management, Installation Manager proposes a default "Package group" and a "Shared resources directory" on page 19.

Package group

A package group is a directory where compatible packages share common components such as a user interface or workbench.

You can create a new package group or install the packages into an existing compatible package group. Some packages cannot share a package group, in which case the option to use an existing package group is disabled.

You might want to install in an existing package group if you have installed supported versions of compatible products such as IBM Integration Designer or Rational® Application Developer, or Rational Software Architect, and you want to extend it with Rule Designer and Event Designer features. For more information, see "Installing in a compatible IBM product" on page 22.

Note:

When you install several packages at the same time, all the packages are installed into the same package group. After creating the package group, you cannot change the installation directory. The installation directory contains files and resources specific to WebSphere Operational Decision Management.

Shared resources directory

The shared resources directory is where Eclipse plug-ins and other files are located so that they can be used by one or more product package groups. You can specify the shared resources directory only the first time that you install a package. The name of the shared resources directory depends on the first product that you have installed.

You cannot change the directory location until you uninstall all packages.

Important: Installation Manager manages the contents of the shared resources directory. You must not edit or modify any files in this directory.

Related concepts:
"Installation prerequisites" on page 5
Before installing WebSphere Operational Decision Management make sure that you have the required environments and software.

Related tasks:
"Installing in a compatible IBM product" on page 22
Install WebSphere Operational Decision Management in a compatible IBM product.

Languages
During the installation you can select the languages to install. English is selected by default and it is always installed.

The languages to select only apply to Eclipse features. For each language that you select, a language pack is installed, which allows you to start Eclipse in the locale for these languages.

If you are extending an existing Eclipse, you must select the languages for which you already have the language packs installed. If you select a language that is not already installed in your existing Eclipse, you might get an error. To solve this issue, clear the languages that are not installed in your Eclipse.

Note:

The Rule Designer user interface is installed with all the supported locales. Therefore, even if you do not install a certain locale, for example French, the Rule Designer views and editors in Eclipse are still shown in this language (French) if you start Eclipse in this locale.

Setting up Installation Manager preferences

If you have not run the launchpad, you can install the product directly using Installation Manager.

About this task

You must manually set the repository locations in Installation Manager to retrieve the product packages, except if you are running Installation Manager from the launchpad.

For more information on the user privileges in Installation Manager, see "User privileges" on page 18.

For general information on Installation Manager, see IBM Installation Manager information center.

Procedure

To start Installation Manager:

1. Start Installation Manager from the Windows **Start** menu or from a command line.
2. Click **File** > **Preferences** and define the repository locations for WebSphere Decision Server and WebSphere Decision Center.

   Installation Manager retrieves product packages from specified repository locations.

   For more information on how to set repository locations, see Repository preferences in the Installation Manager information center.
3. On the IBM Installation Manager main page, click **Install**.
4. Continue the installation of the product as described in "Running Installation Manager."

Related tasks:

"Running Installation Manager"
After installing the prerequisites, install the WebSphere Operational Decision Management packages using Installation Manager.

Running Installation Manager

After installing the prerequisites, install the WebSphere Operational Decision Management packages using Installation Manager.

About this task

If you are installing this product from the launchpad Custom installer, Installation Manager has automatically been started with the repository locations of WebSphere Decision Center and WebSphere Decision Server.

If you are using Installation Manager directly, make sure that you have set the repository locations as described in "Setting up Installation Manager preferences."

Procedure

To run Installation Manager:

1. On the Install Packages page, select WebSphere Decision Center and WebSphere Decision Server, and then click **Next**.

    Depending on your needs, you can install one or both packages on the same computer. For more details on the features included in each package, see "Selecting the features to install" on page 25.

    Note: You must have both packages installed to run the Decision Center samples and to perform the complete scenario for the Getting Started tutorials.

2. Review the license agreements for the selected packages, click **I accept the terms of the license agreements**, and then click **Next**.

3. Only applicable if WebSphere Operational Decision Management is the first product installed using Installation Manager. Click **Next** to accept the default path for the shared resources directory.

    For more information see, "Package groups and the shared directory" on page 18.

4. Select a package group:

    a. Select **Create a new package group** to create a new package group for WebSphere Operational Decision Management.

    The default package group for the WebSphere Decision Center and WebSphere Decision Server packages is WODM80 (For example, C:\Program Files\IBM\WODM80 on Windows XP), and the name of the package group is IBM WebSphere Operational Decision Management.

    b. Click **Next** to continue.

    For more information see, "Package groups and the shared directory" on page 18 and "Installing in a compatible IBM product" on page 22.

5. To install a new instance of Eclipse, leave the page empty, do not select any directory, and click **Next** to continue.

    Installation Manager installs a new instance of Eclipse at the root of the package group directory.

    If you already have Eclipse installed and you want to use your installation of Eclipse, see "Installing in an existing Eclipse" on page 23.

6. On the Translations page, select the languages to install for this package, and then click **Next**.

    For more information, see "Languages" on page 19.

7. Select the product features that you want to install, and then click **Next**.

    A set of features is already selected for you, by default. For more information on the features, see "Selecting the features to install" on page 25.

8. Browse to your installation of WebSphere Application Server where you want to deploy the WebSphere Operational Decision Management runtime, and then click **Next**.

    For example <IBM_InstallDir>/WebSphere/AppServer.

9. Enter a user ID and password for the sample server profile on WebSphere Application Server, and then click **Next**. For example:
    - User ID: wodmadmin
    - Password: wodmadmin

    Note: Your user ID and password must not contain any space characters.

After completing the installation of WebSphere Operational Decision Management, you use the user ID and password to connect to the WebSphere Application Server administrative console and Business Space, and the Events Administration Console.

10. On the Summary page, review the selected features before installing the WebSphere Decision Center and WebSphere Decision Server packages, and then click **Install**.

   Tip: If you want to change anything on a previous page, click **Back** and make your changes before clicking **Install**.

11. Wait until the installation is complete, and then click **Finish**.

Results

By default, the product is installed in *<IBM_InstallDir>*/WODM80, where *<IBM_InstallDir>* refers to your IBM installation directory.

The components and features installed depend on what you have selected in Installation Manager, see "Checking your installation" on page 36.

What to do next

To find out what your next steps are and how to get started with your installation, see "What to do next" on page 37.

Related concepts:

"Troubleshooting the installation" on page 31
If you encounter difficulties while installing the product, you can check the installation logs or the limitations and know issues technote.

Installing in a compatible IBM product

Install WebSphere Operational Decision Management in a compatible IBM product.

About this task

When you install packages with Installation Manager, you can choose to install the packages into an existing package group. You might want to install compatible packages in the same package group to share functions between products and share a common user interface.

You can install WebSphere Operational Decision Management in the package groups of the following products:
- IBM Integration Designer
- Rational Application Developer
- Rational Developer for z (RDz)
- Rational Software Architect

Note:

Before installing WebSphere Operational Decision Management in the package group of these products, make sure that the repository locations of these products are not selected in the preferences of Installation Manager.

To check the supported versions of these products, see the software requirements for WebSphere Operational Decision Management:

- Detailed hardware and software requirements for IBM WebSphere Decision Server V 8.0
- Detailed hardware and software requirements for IBM WebSphere Decision Center V 8.0

Procedure

1. When prompted to select a package group in Installation Manager, select **Use the existing package group**.

    Installation Manager displays the list of package groups available. The package groups that are not compatible are disabled.

2. Select the package group that you want to install in.

    The installation directory is automatically filled with the path to the selected product.

3. Continue the installation.

Related concepts:

"Package groups and the shared directory" on page 18
Installation Manager always installs WebSphere Operational Decision Management in a package group, which is used to group multiple packages into one manageable location.

Installing in an existing Eclipse

By default, when you install WebSphere Operational Decision Management, Installation Manager installs a new instance of Eclipse. However, if you already have a supported version of Eclipse, you can choose to extend it.

About this task

This does not apply to Eclipse instances from IBM products. To install WebSphere Operational Decision Management in a compatible IBM product, see "Installing in a compatible IBM product" on page 22.

Installing the required plug-ins

Before installing the product in your Eclipse installation, make sure that it contains the required plug-ins.

About this task

If you have a plain installation of Eclipse 3.6, you must install the following additional features:

- GEF 3.6 (Graphical Editing Framework)
- EMF 2.6 (Eclipse Modeling Framework)
- BIRT 2.6 (Business Intelligence and Reporting Tools)
- DTP 1.8 (Data Tools Platform)

Rule Designer also requires WTP 3.2 (Web Tools Platform) and XSD 2.6 that are automatically added as dependencies.

Procedure

1. Start Eclipse and navigate to **Help** > **Install New Software**.

2. In the **Install** wizard, in the **Work with** field, select **Helios -
   http://download.eclipse.org/releases/helios** from the list.

   Eclipse checks for available features.
3. Make sure that the **Group items by category** check box is selected.
4. After Eclipse has downloaded available features, select the following categories
   and features:
   - **Business Intelligence, Reporting and Charting** > **BIRT Framework**
   - **Database Development** > **Data Tools Platform Enablement Extender SDK**
   - **Modeling** > **EMF - Eclipse Modeling Framework SDK**
   - **Modeling** > **Graphical Editing Framework GEF SDK**

   Note:

   If you install a localized version of Rule Designer, you can download the
   language packs for the required plug-ins from http://www.eclipse.org/babel/
   downloads.php.
5. Click **Next**.

   Eclipse calculates the dependencies and requirements.
6. Review the items to be installed and click **Next**.
7. Review the license terms, and select **I accept the terms of the license
   agreement**.
8. Click **Finish** to install the required components.
9. Click **Restart Now** if you are prompted to restart Eclipse.

Extending an existing Eclipse

Install WebSphere Operational Decision Management in an existing Eclipse.

Before you begin

Before starting the installation with Installation Manager, make sure that your
Eclipse version is compatible and that it contains the plug-ins and features
required for Rule Designer and Event Designer.

The Eclipse instance to extend must have an initialization (`.ini`) file. If there is no
initialization file, you must create one in the same folder as your Eclipse `.exe` file.
The `.ini` file must have the same name as the Eclipse executable file. For example,
`eclipse.exe` and `eclipse.ini`.

About this task

You can extend an existing version of Eclipse using Installation Manager.

When you extend Eclipse, the package functions are available in your Eclipse, but
the package files are installed in the package group directory that you selected.

Procedure

1. In Installation Manager, when prompted to define your Eclipse, select the check
   box **Extend an existing Eclipse**.
2. Browse to your compatible Eclipse IDE installation.
3. Continue the installation.

Selecting the features to install

When you install WebSphere Operational Decision Management using Installation Manager, you can select the features that you want within each package.

A default set of features is selected for you but you can add or remove features depending on your needs.

- "WebSphere Decision Center features"
- "WebSphere Decision Server features" on page 27

Installation Manager automatically enforces any dependencies between features and prevents you from clearing these dependencies.

After you have finished installing the packages, you can still add or remove features from your product by running the **Modify Packages** wizard in Installation Manager.

WebSphere Decision Center features

The following table lists the features available for selection in the WebSphere Decision Center package.

Table 4. WebSphere Decision Center features

Feature	Description
Decision Center	An environment for business users to author, manage and test their business and event rules. It includes a repository for storing business and event rules, and web interfaces (Decision Center Business Console and Decision Center Enterprise Console) for business users to manage decisions. By default, Decision Center is installed on the sample server profile on WebSphere Application Server. After completing the installation of the product, you can also configure and deploy Decision Center on a different WebSphere Application Server profile, or install it on other supported application servers. However, the Decision Center Business Console is supported on WebSphere Application Server V8.0 only.
Decision Center: Installation artifacts for other application servers > **Decision Center for Tomcat**	Provides the archives to deploy and configure Decision Center on Tomcat. The archives are copied to `<InstallDir>/teamserver/applicationservers/tomcat`. For more information, see Configuring Decision Center.
Decision Center: Installation artifacts for other application servers > **Decision Center for JBoss**	Provides the archives to deploy and configure Decision Center on JBoss. The archives are copied to `<InstallDir>/teamserver/applicationservers/JBoss`. For more information, see Configuring Decision Center.

Table 4. WebSphere Decision Center features (continued)

Feature	Description
Decision Center: Installation artifacts for other application servers > **Decision Center for WebLogic**	Provides the archives to deploy and configure Decision Center on WebLogic. The archives are copied to `<InstallDir>/teamserver/applicationservers/WebLogic`. For more information, see Configuring Decision Center.
Decision Center for Business Space > **Decision Widget**	The Decision widget is available from Business Space and is similar to the Decision Center Enterprise Console. Before you can use the Decision widget, you must configure the Decision widget for Business Space. For more information, see Configuring Decision Center.
Decision Center for Business Space > **Event Capture and Replay Widgets**	In the Event Capture widget and the Event Replay widget you capture events from a production system, and replay a sequence of one or more of them, typically on a test system. Before you can use these widgets, you must also configure Business Space. For more information, see Configuring Decision Server Events.
Decision Center for Business Space > **Event Charting Widgets**	Event Charting Widgets include the Event Chart Manager widget to create and edit charts, the Event Chart widget to view charts as well as real-time charts which display the history for events, actions, and filters, and the Event Layout widget to view legacy layouts. Before you can use these widgets, you must also configure Business Space. Configuring Decision Server Events
Decision Center for Business Space > **Event Tester Widget**	The Event Tester Widget provides a way to test the event logic in a business process. This widget is aimed at testing and should be used only on a test installation. Do not use it on a production installation as it might affect performance. Before you can use this widget, you must also configure Business Space. Configuring Decision Server Events

Table 4. WebSphere Decision Center features (continued)

Feature	Description
Rule Solutions for Office (for Windows only)	Rule Solutions for Office provides a way for business users to create and edit business rules in Microsoft Word or Excel. This option copies the installer for Rule Solutions for Office to your installation directory. The executable file for the installer is copied to: `<InstallDir>/Rule Solutions for Office/RuleSolutionsForOffice.exe`, see "Installing Rule Solutions for Office" on page 35.
Samples and Tutorials	Installs the projects for the samples and tutorials, and provides the sample server profile to run the samples and tutorials on WebSphere Application Server. WebSphere Application Server is a prerequisite for this option.
Local help system	By default this feature is not selected because the help system points to the online information center. You can select the **Local help system** option if you prefer accessing the help contents locally. To use the local help system, you only need an Internet connection the first time to download the help contents from the web. After downloading the help contents, you must set up the local help. For more information on how to set up the local help, see "Installing and accessing the documentation locally" on page 32.

WebSphere Decision Server features

The following table lists the features available for selection in the WebSphere Decision Server package.

Table 5. WebSphere Decision Server features

Feature	Description
Decision Server Rules	
Rule Designer	Rule Designer is a development environment within Eclipse to design business rule applications. It is aimed at developers, business analysts, and architects. The Rule Designer views and editors are available from the **Rule** perspective in Eclipse.
Rule Designer > **Scorecard Modeler**	Scorecard Modeler is a set of additional plug-ins integrated into Rule Designer. You can use Scorecard Modeler to create scorecards, integrate them into your business rules, and share them across multiple platforms.

Table 5. WebSphere Decision Server features (continued)

Feature	Description
Rule Execution Server	Rule Execution Server is an execution platform for business rules that embeds the rule engine. It also provides a console to manage and monitor the execution of business rules. By default, Rule Execution Server is installed on the sample server profile on WebSphere Application Server. After completing the installation of the product, you can also configure and deploy Rule Execution Server on a different WebSphere Application Server profile, or install it on other supported application servers. Select the type of license that you have: • **Non-production License**: Select this option if you want to use the product for development purposes. This license can only be deployed as part of development and test environment for internal non-production activities. • **Production License**: Select this option if you want to use the product for production.
Rule Execution Server: Installation artifacts for other application servers > **Rule Execution Server for Tomcat**	Provides the archives to deploy and configure Rule Execution Server on Tomcat. The archives are copied to `<InstallDir>/executionserver/applicationservers/tomcat`. For more information on how to use the archives to deploy and configure Rule Execution Server, see Configuring Rule Execution Server.
Rule Execution Server: Installation artifacts for other application servers > **Rule Execution Server for JBoss**	Provides the archives to deploy and configure Rule Execution Server on JBoss. The archives are copied to `<InstallDir>/executionserver/applicationservers/JBoss`. For more information on how to use the archives to deploy and configure Rule Execution Server, see Configuring Rule Execution Server.
Rule Execution Server: Installation artifacts for other application servers > **Rule Execution Server for WebLogic**	Provides the archives to deploy and configure Rule Execution Server on WebLogic. The archives are copied to `<InstallDir>/executionserver/applicationservers/WebLogic`. For more information on how to use the archives to deploy and configure Rule Execution Server, see Configuring Rule Execution Server.
Decision Server Events	WebSphere Application Server is a prerequisite for Decision Server Events.

Table 5. WebSphere Decision Server features (continued)

Feature	Description
Event Designer	A development environment within Eclipse to design, develop, test, deploy, and monitor event applications. Event Designer is available from the **Event** perspective in Eclipse.
Event Flow	Event flow diagrams consist of event rule groups and business steps that compose a business process.
Runtime > **Event Runtime**	The event runtime is an execution platform that manages real-time business event coordination. The event runtime requires WebSphere eXtreme Scale and must be deployed and configured on WebSphere Application Server. Select the type of license that you have: • **Non-production License**: Select this option if you want to use the product for development purposes. This license can only be deployed as part of development and test environment for internal non-production activities. • **Production License**: Select this option if you want to use the product for production.
Runtime > **Event Connectors (Legacy)**	Event connectors provide data connections between the event runtime and external systems. Legacy connectors include `email` and `ftp`.
Event Capture and Replay Widgets	In the Event Capture widget and the Event Replay widget you capture events from a production system, and replay a sequence of one or more of them, typically on a test system. Before you can use these widgets, you must also configure Business Space. For more information, see Configuring Decision Server Events.
Event Tester Widget	The Event Tester Widget provides a way to test the event logic in a business process. This widget is aimed at testing and should be used only on a test installation. Do not use it on a production installation as it might affect performance. Before you can use this widget, you must also configure Business Space. For more information, see Configuring Decision Server Events.
Integration Components	You can install integration components into the tooling of WebSphere ESB and WebSphere Message Broker to allow these products to send and receive data from Decision Server Events.

Table 5. WebSphere Decision Server features (continued)

Feature	Description
Shared components	
Samples and Tutorials	Installs the projects for the samples and tutorials, and provides the sample server profile to run the samples and tutorials on WebSphere Application Server. WebSphere Application Server is a prerequisite for this option.
Update sites for installation into other Eclipse products	Provides ZIP files containing the Eclipse update sites (and a copy of the Designer plug-ins) to install Rule Designer and Event Designer features into an existing Eclipse. This provides an alternate way of installing the Designer plug-ins into a supported Eclipse after the installation of WebSphere Operational Decision Management. For more information, see Extending Eclipse with the Rule Designer update sites.
Local help system	By default this feature is not selected because the help system points to the online information center. You can select the **Local help system** option if you prefer accessing the help contents locally. To use the local help system, you only need an Internet connection the first time to download the help contents from the web. After downloading the help contents, you must set up the local help. For more information on how to set up the local help, see "Installing and accessing the documentation locally" on page 32.

Installing in silent mode

You can install the WebSphere Operational Decision Management product packages by running Installation Manager in silent installation mode to automate processes, deploy software to multiple systems, or to an enterprise.

About this task

When you run Installation Manager in silent mode, the user interface is not available. Installation Manager uses a response file that contains the commands required to install the product package.

Running Installation Manager in silent mode enables you to automate a process to install, update, modify and uninstall product packages through scripts.

You can also install Installation Manager silently using the Installation Manager installer, and then use the installer to install silently the product packages. For more information, see Use the installer package to install Installation Manager using the user interface or silent install.

The launchpad provides sample response files that you can use to build your own response files. These response files are located in the `responsefiles` directories of your installation kit. Make sure that all the disks are in the same location. If the disks are not in the same location, the installer prompts you for the location of each disk.

Note: On Windows 7, if you install in silent mode as a regular user, you are prompted to accept the security certificates for each product. To avoid this issue, you can run the installer as an administrator (right-click the file and select **Run as Administrator**).

Procedure

To install in silent mode:

1. Create a response file.

   For more information, see Response files in the Installation Manager information center.

2. Run Installation Manager in silent mode.

   For more information, see Install packages silently by using the Installation Manager installer in the Installation Manager information center.

Troubleshooting the installation

If you encounter difficulties while installing the product, you can check the installation logs or the limitations and know issues technote.

You can find general information on Installation Manager and how to use it in the IBM Installation Manager information center.

When contacting IBM support, make sure that you have the following information at hand:

- Version of Installation Manager installed
- Offerings installed and these version numbers
- Operating System
- Installation Manager logs

Installation logs

   If you have difficulties installing the product through Installation Manager, retrieve the installation logs to find out more information on the issues encountered.

   - **Installation Manager**:
     - Windows 2000, XP, and 2003: `C:\Documents and Settings\All Users\Application Data\IBM\Installation Manager\logs`
     - Windows Vista,7, and 2008: `C:\ProgramData\IBM\Installation Manager\logs\.settings\logs`
     - UNIX: `/var/ibm/InstallationManager/logs`

   For more information, see Finding IBM Installation Manager troubleshooting logs.

   - **Launchpad**:
     - Windows: `%TEMP%\IBM_LaunchPad_<InstallType>\`

       `%TEMP%` is the environment variable that defines the location of your Temp directory. *<InstallType>* refers to the type of installation that you

selected. If the launchpad fails before even starting the installation, no installation type is indicated in the folder name.

– UNIX: `/tmp/IBM_LaunchPad_<InstallType>/`

Limitations and known issues

To find a list of the current limitations and known issues, check the technote Known limitations in WebSphere Operational Decision Management V 8.0

Installing and accessing the documentation locally

By default, the help system connects to the online information center. However, you can install the documentation locally if you select the **Local help system** option in Installation Manager.

Installing the product documentation on your computer

To install the local information center, you must first start the help system that you installed by selecting **Local help system** option in Installation Manager.

Before you begin

By default, the help system connects to the online information center. You do not have to do anything if you want to use the online help. However, you can install the documentation locally on your system. For example, if you want to view the documentation offline or on a computer that does not have an Internet access. To install the documentation locally, you must make sure that you have selected the **Local help system** option in Installation Manager. Then, you must configure the help system.

If you have selected the **Local help system** option, the help system for the product is installed on your computer and you can install a local copy of the entire documentation set.

About this task

To install this stand-alone help system that can access help contents locally, you have to download the help contents using an Internet connection. The Internet connection is only required the first time to download the help contents from the web.

Procedure

To install the documentation locally:

1. Do one of the following steps:
   - In the **Start** menu, click **All Programs** > **IBM** > *package_group* > **Information center for WebSphere Operational Decision Management (local)**.

     package_group refers to the package group specified in IBM Installation Manager during installation. The default package group is WebSphere Operational Decision Management.
   - Run the following script:
     – `<InstallDir>/doc/help_start.bat` on Windows
     – `<InstallDir>/doc/help_start.sh` on Linux.

Note: To run the information center in a locale other than English, you must add the locale argument (`-nl xx_XX`) to the `<InstallDir>/doc/help_start.bat` or `<InstallDir>/doc/help_start.sh` file, before the `-vmargs` argument. For example:

```
-eclipsehome eclipse -nl fr_FR -configuration configuration_iehs
```

A new browser window opens. The documentation is not available yet, because you have not downloaded the help contents.

2. Click **Update** in the help toolbar.

   A list of the documentation sets already installed is displayed.

3. Click **Next**.

   A list of the documentation sets available for installation is displayed. The list includes documentation sets in English and other supported languages, as well as documentation for other products.

4. Select the documentation sets that you want to install.

5. Click **Install**.

   The Update wizard installs the documentation contents.

   A note is then displayed to warn you that the installation might take some time to complete.

6. Click **OK**, then click **Finish**.

   The help contents are installed in the help system on your computer.

7. Refresh the page to view the documentation.

Results

The documentation contents are now installed locally and is available the next time you start the documentation from the **Start** menu shortcut.

Accessing the local contextual help in Rule Designer

To access the local help system from Rule Designer you must first install the documentation locally.

Before you begin

If you want to access the documentation locally rather than online in Rule Designer, make sure that you have selected the **Local help system** option in Installation Manager. You can modify the options selected in Installation Manager. After installing the documentation locally you no longer need an Internet connection to access the local information center. For more information, see "Installing the product documentation on your computer" on page 32.

Remember: If you do not have specific needs for using local help rather than online help, you do not have to select the **Local help system** option in Installation Manager. By default, the online help is activated and no configuration is required.

About this task

To use the local contextual help from Rule Designer, you must start the local instance of the information center. The installer inserts the necessary parameters to access the help from Rule Designer.

If you want to change the parameters to point to a different instance of the information center, for example a shared information center server running on an

internal network, you can modify the values in Rule Designer.

Procedure

To access the local help in Rule Designer:

1. Check that the settings to use the local help are set correctly in Rule Designer:
   a. Click **Window** > **Preferences** > **Help** > **Content**.
   b. Make sure **Include remote help and give it priority** is selected.
   c. Select the link to the information center and click **Edit**.
   d. Make sure that the local information center has the following values:
      - **Name**: WebSphere Operational Decision Management information center
      - **Host**: localhost
      - **Path**: /help
      - **Use port**: 3333
   e. Click **OK**, and then click **Apply** and **OK**.
2. Start the local help:
   - In the **Start** menu, click **All Programs** > **IBM** > *package_group* > **Information center for WebSphere Operational Decision Management (local).**
   - Run the <InstallDir>/doc/help_start.bat (Windows) or <InstallDir>/doc/help_start.sh (Linux)
3. On the **Help** menu, click **Help Contents**.

   If you have already installed the documentation, the local information center for the WebSphere Operational Decision Management product family, Decision Center, and Decision Server is displayed.

   If the documentation has not been installed, follow the steps as described in "Installing the product documentation on your computer" on page 32.

Running a shared information center on an internal network

You can run the information center on an internal network.

Before you begin

Before running the information center on an internal network, make sure that you have installed the documentation locally as described in "Installing the product documentation on your computer" on page 32.

About this task

If you have selected the **Local help system** option, you can set the help system up so that the information center runs on an internal network.

Procedure

To start the information center on an internal network:

1. Run <InstallDir>/doc/IC_start.bat on Windows or <InstallDir>/doc/IC_start.sh on Linux.

   By default, the shared information center runs on port 9999.

2. Optional: To modify the default port, edit the IC_start.bat or IC_start.sh file, and modify the port argument. For example, -port <port_number>.

When the shared information center is started, it is accessed using browsers from other systems at the address `http://<hostname>:<port>/help`.

Note: To access different locales in the information center, specify the locale at the end of the URL. For example, `http://<ic_hostname>:9999/help/index.jsp?`**`lang=xx_XX`**

The locales include de_DE, es_ES, fr_FR, it_IT, ja_JP, ko_KR, pl_PL, pt_BR, ru_RU, zh_CN, and zh_TW.

3. Optional: Configure the help preferences in Rule Designer to access the information center:

   a. Click **Window** > **Preferences** > **Help** > **Content**.

   b. Select **Include remote help and give it priority**, then click **New**.

   c. Enter the values for the information center that you want to connect to, for example:

      - **Name**: WebSphere Operational Decision Management information center
      - **Host**: `<ic_hostname>`
      - **Path**: `/help`
      - **Use port**: 9999

   d. Click **OK**, and then click **Apply** and **OK**.

      The contextual help now uses your new parameters.

Stopping the local help

Before uninstalling the WebSphere Operational Decision Management offerings in Installation Manager, you must stop the information center process to avoid encountering uninstallation issues.

To stop the local information center:

- On Windows, run `<InstallDir>/doc/help_end.bat`.
- On Linux, run `<InstallDir>/doc/help_end.sh`.

To stop the shared information center:

- On Windows, run `<InstallDir>/doc/IC_end.bat`.
- On Linux, run `<InstallDir>/doc/IC_end.sh`.

Related tasks:

"Uninstalling the product" on page 39
To uninstall the product after using the launchpad or Installation Manager, you must uninstall each product separately and in a specific order.

Installing Rule Solutions for Office

After completing the installation of Decision Center using the launchpad or Installation Manager, you must manually run the installer for Rule Solutions for Office.

Before you begin

If you installed the product using Installation Manager, make sure that you selected the **Rule Solutions for Office** feature, see "Selecting the features to install" on page 25.

You must have a supported version of Microsoft Office to install Rule Solutions for Office.

About this task

Rule Solutions for Office is an optional component that provides a way for business users to create and edit business rules in Microsoft Word or Excel. The **Rule Solutions for Office** feature in Installation Manager copies the installer for Rule Solutions for Office to your installation directory.

Procedure

1. Navigate to *<InstallDir>*`/Rule Solutions for Office/`
2. Double-click the `RuleSolutionsForOffice.exe` file to run it.
3. Follow the steps in the installation wizard.

Checking your installation

You can find out what components of WebSphere Operational Decision Management you have installed through the launchpad and Installation Manager, by looking at the installation directory.

After running the launchpad or Installation Manager, you can check what components you installed by looking at the `<InstallDir>` folder on your computer. The folders under `<InstallDir>` can be used to identify the components and features of WebSphere Operational Decision Management. Use the table below to help you identify what is installed on you computer:

Table 6. Component-folder mapping

Component	Folders
Decision Server Rules	
Rule Designer	`studio`
Rule Execution Server	`executionserver`
Folders common to Decision Server Rules components	`gettingstarted, dotnet`
Decision Server Events	
Event Designer	`connectors, runtime, widgets`
Decision Center	`teamserver, decisionWidget`, Rule Solutions for Office (optional)

Setting up your environment to automate processes

You must ensure that you have the correct version of Ant and that it is configured correctly.

About this task

You must have version 1.7.1 (or later) of Ant correctly set up on your system to deploy RuleApps to Rule Execution Server, automate managerial tasks within Decision Center, and run many of the samples. If Ant is not installed, or your version is older than version 1.7.1, you must set up your environment to use the correct version of Ant. You can download Ant from http://ant.apache.org/, or you can use the Ant 1.7.1 distribution packaged at *<InstallDir>*`/shared/tools/ant`.

Procedure

To test and set up your environment to use Ant:

1. Test your current version of Ant by typing the following in a Windows Command Prompt or UNIX shell:

   `ant -version`

2. Set the *ANT_HOME* environment variable to **<InstallDir>/shared/tools/ant**.

3. Set the *JAVA_HOME* environment variable to the path to your JDK installation (1.6).

4. Add the directory **<InstallDir>/shared/tools/ant/bin** to your *PATH* environment variable.

What to do next

Depending on your installation, you might have some configuration to do after completing the installation of WebSphere Operational Decision Management.

- **Sample Server installation**: No configuration is required, see "Get started with the Sample Server."
- **Stand-alone Server installation**: No configuration is required except for certain Events features, see "Get started with the Stand-alone Server" on page 38.
- **Custom installation**: You must configure the WebSphere Operational Decision Management components for a production environment, see "Use your application in production" on page 38.

Get started with the Sample Server

The first time that you start the Sample Server, a profile (WODMSample) is configured on WebSphere Application Server Network Deployment V8.0 to run the included samples and tutorials in a Java EE environment. You can start the sample server using the start menu shortcut:

On the **start** menu, click **All Programs** > **IBM** > *package_group* > **Sample Server** > **Start server**. *package_group* refers to the package group specified in IBM Installation Manager during installation. The default package group is WebSphere Operational Decision Management V8.0.

The profile creation takes several minutes to complete. Wait until the build has successfully completed.

You can perform a number of introductory tasks using the environment that is installed for you by the Sample Server installer:

- Perform the Getting Started tutorials, and other component specific tutorials.
- Run the samples from the Samples Console in Eclipse.
- Test and simulate your rule projects against scenario data.
- Test the event runtime.

Note:

- If you are using the Sample Server profile to run Events, you will also use the same username and password to login to Business Space and to the Events administrative console.
- Single sign-on (SSO) authentication is activated for the Sample Server. SSO allows users to log in once and gain access to all applications without being

prompted to log in again for each of them. If you use different sign-on credentials for the applications on the Sample Server, for example when performing certain samples and tutorials, you get an error message when you attempt to sign in to the second application.

To avoid this issue, you must sign out of the first console and then sign in to the second console. Alternatively, you can sign in to all of the applications on the server using the credentials that you entered at installation time.

For more information on the Sample Server and how to use it, see Using the Sample Server

Get started with the Stand-alone Server

After running the launchpad using the Stand-alone Server installer, you can start the stand-alone server using the start menu shortcut:

On the **start** menu, click **All Programs** > **IBM** > *package_group* > **Stand-alone Server** > **Start server**.

package_group refers to the package group specified in IBM Installation Manager during installation. The default package group is WebSphere Operational Decision Management V8.0.

Important: To use the Events Properties tool (`propertiesui`) and legacy connectors (`email` and `ftp`), you must perform some additional configuration steps. For more information, see Configuring the event runtime environment including Editing the setenv file and Configuring multiple Decision Server Events profiles to coexist.

Use your application in production

Rule Designer and Event Designer are installed and you can start designing your application in Decision Server.

Depending your company's needs and on the components of WebSphere Operational Decision Management that you want to use, some configuration is required:
- To execute your rule-based application, see Configuring Rule Execution Server.
- To execute your application using event processing, see Configuring Decision Server Events.
- For business users to edit and test rules in Decision Center, see Configuring Decision Center.
- To execute your application on a z/OS platform, install the required additional files using the SMP/E tool, and see Configuring Decision Server for z/OS.
- For business users to edit and test rules in Decision Center for z/OS, install the required additional files using the SMP/E tool, and see Configuring Decision Center for z/OS.

To get a better understanding of the development lifecycle using WebSphere Operational Decision Management, see Business rule application development.

The Sample Server installer installs all of the prerequisites, as well as the packages in the WebSphere Operational Decision Management product family. A sample server profile on WebSphere Application Server is also created to run the samples and tutorials.

Uninstalling the product

To uninstall the product after using the launchpad or Installation Manager, you must uninstall each product separately and in a specific order.

Before you begin

Before uninstalling the product, make sure that you have stopped all the applications that run with the product including the server, any instance of Rule Designer or Event Designer, and the local help process if enabled.

To uninstall the packages, you must log in to the system using the same user account that you used to install the product packages. Make sure that you are using the correct instance of Installation Manager to uninstall the product:

- If you installed the products as an administrator, you must uninstall using the administrator instance of Installation Manager, which is accessible through the **IBM Installation Manager** start menu shortcut.
- If you installed the products as a non-administrator user, you must uninstall using the non-administrator instance of Installation Manager, which is accessible through the **My IBM Installation Manager** start menu shortcut.

A package cannot be uninstalled when another package has a dependency on it, unless the dependent package is also selected to be uninstalled.

About this task

You must uninstall each product separately and in a specific order. You can use Installation Manager to uninstall the products except for WebSphere eXtreme Scale.

Procedure

To uninstall the products:

1. Close the programs that you installed using Installation Manager.
2. Uninstall WebSphere Decision Center and WebSphere Decision Server using Installation Manager.

   For more information on how to uninstall using Installation Manager, see Uninstall packages by using wizard mode in the Installation Manager information center.
3. Uninstall WebSphere eXtreme Scale using the installation program wizard, see Uninstalling WebSphere eXtreme Scale in the WebSphere eXtreme Scale information center.

   Important:

   You must uninstall WebSphere eXtreme Scale before uninstalling WebSphere Application Server and Business Space.

4. Uninstall Business Space and WebSphere Application Server using Installation Manager.

   The uninstallation might take some time to complete.

   For more information on how to uninstall using Installation Manager, see Uninstall packages by using wizard mode in the Installation Manager information center.

Related concepts:

"Stopping the local help" on page 35
Before uninstalling the WebSphere Operational Decision Management offerings in Installation Manager, you must stop the information center process to avoid encountering uninstallation issues.

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