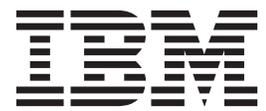


IBM Operational Decision Manager  
Version 8 Release 5

*Installation Guide*



**Note**

Before using this information and the product it supports, read the information in "Notices" on page 51.

This edition applies to version 8, release 5, modification 1 of Operational Decision Manager and to all subsequent releases and modifications until otherwise indicated in new editions.

© **Copyright IBM Corporation 2008, 2013.**

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

---

# Contents

<b>Installing . . . . .</b>	<b>1</b>	Setting the response file for required software . . . . .	31
Installable components . . . . .	1	Setting the response file for Decision Server and Decision Center . . . . .	32
Operational Decision Manager licenses . . . . .	1	Setting the response file for Profile templates for WebSphere Application Server . . . . .	34
Preliminary steps . . . . .	4	Installing Operational Decision Manager silently . . . . .	34
Downloading the product installers. . . . .	4	Installing Rule Solutions for Office . . . . .	36
Checking the software requirements . . . . .	5	Checking your installation . . . . .	36
Installation options . . . . .	7	Folders in the installation directory . . . . .	36
Overview . . . . .	7	Menu shortcuts . . . . .	38
Typical installation: Sample Server . . . . .	8	Shortcut commands . . . . .	39
Custom installation . . . . .	9	Installing and accessing the documentation locally . . . . .	41
Installing the product with the launchpad . . . . .	10	Installing the product documentation on your computer . . . . .	41
Starting the launchpad . . . . .	10	Accessing the local contextual help in Rule Designer . . . . .	42
Installing the product with the sample server . . . . .	12	Running a shared information center on an internal network. . . . .	43
Installing a custom configuration . . . . .	14	Stopping the local help . . . . .	44
Installing the product with Installation Manager . . . . .	16	Troubleshooting the installation. . . . .	44
Installation Manager overview . . . . .	18	Setting up your environment to automate processes . . . . .	45
User privileges . . . . .	18	What to do next. . . . .	46
Package groups and the shared directory . . . . .	19	Upgrading to another version . . . . .	47
Languages. . . . .	19	Upgrading Operational Decision Manager Express to Operational Decision Manager . . . . .	47
Setting up Installation Manager preferences . . . . .	20	Upgrading from version 8.5 to version 8.5.1 . . . . .	48
Running Installation Manager . . . . .	20	Uninstalling the product . . . . .	48
Installing Operational Decision Manager in a compatible IBM product . . . . .	22		
Installing the product in an existing Eclipse environment . . . . .	23		
Installing the required plug-ins and patch level. . . . .	23		
Extending an existing Eclipse environment . . . . .	24		
Selecting the features to install . . . . .	24		
Installing in silent mode . . . . .	31		
Installing Installation Manager silently . . . . .	31		
		<b>Notices . . . . .</b>	<b>51</b>
		Trademarks . . . . .	53



---

## Installing

The IBM® Operational Decision Manager installer provides several installation options, typical and custom, to install the product with various server topologies.

You can install the product with a sample server to test the product features and run samples and tutorials, with WebSphere® Application Server to benefit from a cluster environment, or with any other supported application server.

You can also run a silent installation if you plan to install the product on several computers.

Before proceeding with the installation, make sure that you have a valid license for the products that you want to install.

---

## Installable components

IBM Operational Decision Manager is composed of several components that provide a variety of features. Depending on the type of license that you have, you can install some or all of the components. Ensure that you install only the components for which you have a license.

You can install the standard version of the product, Operational Decision Manager Express, or Decision Server Rules Edition.

In addition to the product components, the installer comes with a set of software that is required for Operational Decision Manager to work with specific configurations.

For more information about what software is required, see “Checking the software requirements” on page 5.

### **Related information:**

“Installing the product with Installation Manager” on page 16

If you already installed the required software, you can use Installation Manager to select the specific Operational Decision Manager packages that you want to install.

## Operational Decision Manager licenses

The Operational Decision Manager licenses grant you access to all or some of the Operational Decision Manager components.

Ensure that you install only the components for which you have a license. When you install, the Sample Server option in the launchpad installs by default the complete product. To install select components for which you have a license, you use either the Custom installation option from the launchpad or you can use Installation Manager.

You have one of three product licenses:

- Operational Decision Manager
- Operational Decision Manager Express
- Decision Server Rules Edition

The Operational Decision Manager license grants you access to both the business rules and the events capabilities.

The Operational Decision Manager Express license grants you access to a limited configuration of the business rules capabilities. The events capabilities are *not* included in the license. Additionally, you cannot use Operational Decision Manager Express in a cluster environment and you have access to limited capacity. Check the terms of your license for more information.

The Decision Server Rules Edition license grants you access to the rules capabilities.

You can install either some or all of the following Operational Decision Manager components.

Installable Components		Operational Decision Manager	Operational Decision Manager Express	Decision Server Rules Edition
Decision Server	<b>Rule Designer</b> A business rule application development tool for developers, modelers, and architects.	Yes	Yes	Yes
	<b>Event Designer</b> An event application development tool for developers, modelers, and architects.	Yes	No	No
	<b>Rule Execution Server</b> A managed business rule execution platform that embeds the rule engine.	Yes	Yes	Yes
	<b>Event runtime</b> The event runtime manages the real-time business event coordination that is defined during application development.	Yes	No	No
	<b>Event widgets</b> Event widgets allow business users to interact with the content provided by Operational Decision Manager and other WebSphere products.	Yes	No	No

Installable Components		Operational Decision Manager	Operational Decision Manager Express	Decision Server Rules Edition
<b>Decision Center</b>	<b>Business console and Enterprise console</b>  Business console: Tools for policy managers for authoring, searching, and managing business rules.  Enterprise console: Tools for business analysts for authoring and managing business rules and events.	Yes	Yes	--
	<b>Rule Solutions for Office</b>  Rule Solutions for Office is an environment for business users to author rules in Microsoft Word and Excel.	Yes	Yes	--
	<b>Event widgets</b>  Business users can use event widgets to interact with content provided by Operational Decision Manager and other WebSphere products.	Yes	No	--
<b>Profile templates for WebSphere Application Server</b>  This component includes rules and events profile templates and the runtime for deploying Operational Decision Manager on WebSphere Application Server.		Yes	No	Yes
<b>Business Rules Embedded</b>  This component includes a development environment for adding business rules functionality to applications.		Yes	No	Yes
<b>Sample server</b>  This component includes a server to run applications, samples, and tutorials on WebSphere Application Server Network Deployment.		Yes	Yes	Yes

---

## Preliminary steps

Before you install Operational Decision Manager, you must download and decompress the installer by using an archiving utility of your choice. You must also make sure that you have the prerequisite software installed.

## Downloading the product installers

To install Operational Decision Manager, you must copy or download the installation disks onto your computer. If you download the files, you have to decompress them by using an archiving utility of your choice.

### About this task

The installation files are available on DVDs or can be downloaded from the IBM website. Starting the installation from DVDs can be slow. Therefore, the recommendation is to copy or download the installer files onto your computer before you start the installation.

You can copy or download onto your computer only the disks that correspond to the components that you intend to install. Be sure to install all the disks that you need in the same directory.

### Procedure

1. Choose the tar file that corresponds to your target operating system.  
To avoid any issue with the file extraction, make sure that the path to the directory is short. You can, for example, extract the tar files to the root of your hard disk: C:\ODM851.
2. Extract the files:
  - If you use WinZip, clear **TAR file smart CR/LF conversion** in **Option > Configuration > Miscellaneous**.
  - If you are an AIX® user, you must use both the native UNIX **tar** command and the GNU version of this command because the native utility does not support long file names.

### Results

As a result of the extraction, you obtain three folders named `disk1`, `disk2`, and `disk3`. Each folder contains the following common elements:

- The launchpad executable file to install the product components along with the required software.
- The Installation Manager to proceed with the installation of the Operational Decision Manager components.
- A set of response files to install the product in silent mode.

In addition:

- The `disk1` folder contains WebSphere Application Server (WAS directory), IBM SDK Java™ Technology Edition Version 7.0 for WebSphere (WASJDK7 directory), and WebSphere eXtreme Scale (WXS repository).
- The `disk2` folder contains Decision Server (WDS directory), Profile templates for WebSphere Application Server (OW directory), and Embedded Rules (ER directory).

- The disk3 folder contains Decision Center (WDC directory).

**Related concepts:**

“Installing the product with the launchpad” on page 10

Operational Decision Manager comes with a launchpad that helps you install the product along with the additional required software. The launchpad has two installation options: Sample Server and Custom Installation.

“Installing in silent mode” on page 31

In some cases, Operational Decision Manager has to be installed within a specific configuration on multiple computers. You can install the product components by running Installation Manager in silent installation mode to automate the process, and deploy the products to multiple systems.

“Checking the software requirements”

Before you start installing Operational Decision Manager, make sure that you have the required software and environments, and that you have sufficient disk space.

**Related information:**

“Installing the product with Installation Manager” on page 16

If you already installed the required software, you can use Installation Manager to select the specific Operational Decision Manager packages that you want to install.

## Checking the software requirements

Before you start installing Operational Decision Manager, make sure that you have the required software and environments, and that you have sufficient disk space.

Before you use Operational Decision Manager, you must install the following programs. These programs are supplied as part of the installer. If they are not already installed on your computer, you can use the launchpad to install them.

*Table 1. Required software to install Operational Decision Manager*

Required software	Description
Installation Manager V1.6.0 or later	Installation Manager is used to install the Operational Decision Manager packages.  The version of Installation Manager supplied with the product is 1.6.2.

Table 1. Required software to install Operational Decision Manager (continued)

Required software	Description
<b>WebSphere Application Server Network Deployment V8.5.0.2</b>	<p>WebSphere Application Server Network Deployment is required only if you intend to deploy a sample server or a stand-alone server.</p> <p>WebSphere Application Server Network Deployment is used to run the samples and tutorials and also to install the Event runtime and to use the Event Widgets.</p> <p><b>Note:</b> To install WebSphere Application Server Network Deployment on Linux and AIX systems, you must set the process resource limits in the <code>/etc/security/limits.conf</code> file. If the value for the number of open files is too low, errors can occur when opening files or establishing connections. To change the open file limit, edit the <code>/etc/security/limits.conf</code> file, and add the following values:</p> <pre>hard nofile 100000 soft nofile 100000</pre>
<b>WebSphere eXtreme Scale V8.6.0</b>	<p>WebSphere eXtreme Scale is required only if you intend to use the Event runtime.</p> <p>WebSphere eXtreme Scale is used to install the Event runtime. You must install WebSphere eXtreme Scale in the directory of WebSphere Application Server.</p>

For more system and software requirements, go to the following support page:

IBM Operational Decision Manager detailed system requirements

**Related tasks:**

“Installing the product with the sample server” on page 12

The Sample Server installation option installs the IBM Operational Decision Manager product family along with the required software. It also creates a sample server profile on WebSphere Application Server to run the samples and tutorials.

“Installing a custom configuration” on page 14

You use the Custom installation option to install the required software and select the Operational Decision Manager components and specific features that you want. This option also allows more specific installation configurations, such as the installation in an existing Eclipse environment or IBM product. You can also perform a custom installation using the Installation Manager directly.

**Related information:**

“Installing the product with Installation Manager” on page 16

If you already installed the required software, you can use Installation Manager to select the specific Operational Decision Manager packages that you want to install.

---

## Installation options

Before you install IBM Operational Decision Manager, consider how you want to use Decision Server and Decision Center, and whether you plan to configure them on an existing production server. You have several installation options from which you can select depending on your needs.

### Related tasks:

“Installing the product with the sample server” on page 12

The Sample Server installation option installs the IBM Operational Decision Manager product family along with the required software. It also creates a sample server profile on WebSphere Application Server to run the samples and tutorials.

“Uninstalling the product” on page 48

To uninstall Operational Decision Manager, you must use the uninstall option of Installation Manager.

### Related information:

“Installing the product with Installation Manager” on page 16

If you already installed the required software, you can use Installation Manager to select the specific Operational Decision Manager packages that you want to install.

## Overview

The Operational Decision Manager installer offers two installation options to adapt to different server topologies and environments.

The installation options from which you can choose are:

- Sample server
- Custom installation

The first option is available from the launchpad only, but you can perform a custom installation either by using the launchpad or Installation Manager.

Use the following table to help you decide which installation option is best tailored to your needs.

*Table 2. Installation options*

Goal	Installation option
Install the complete and ready-to-use product with no post-installation configuration to test and evaluate the product, and to run the samples and tutorials.	Sample server option from the launchpad.  For more information, see “Typical installation: Sample Server” on page 8 and “Installing the product with the sample server” on page 12.
Install only the components that you want.	Custom installation option from the launchpad or Installation Manager.  For more information, see “Custom installation” on page 9, “Installing a custom configuration” on page 14, and “Installing the product with Installation Manager” on page 16.

Table 2. Installation options (continued)

Goal	Installation option
<p>Install on a production server.</p> <p>This installation scenario requires some configuration after the installation of the product.</p>	<p>Custom installation option from the launchpad or Installation Manager.</p> <p>For more information, see “Custom installation” on page 9, “Installing a custom configuration” on page 14, and “Installing the product with Installation Manager” on page 16.</p>
<p>Extend an Eclipse environment.</p>	<p>Custom installation option from the launchpad or Installation Manager.</p> <p>For more information, see “Custom installation” on page 9, “Installing a custom configuration” on page 14, and “Installing the product with Installation Manager” on page 16.</p>
<p>Install in a compatible IBM product.</p>	<p>Custom installation option from the launchpad or Installation Manager.</p> <p>For more information, see “Custom installation” on page 9, “Installing a custom configuration” on page 14, and “Installing the product with Installation Manager” on page 16.</p>

## Typical installation: Sample Server

For developing, testing, and running samples and tutorials, select Sample Server in the launchpad. The sample server option installs a predefined configuration and profiles for use on WebSphere Application Server.

When you start the launchpad, you can select Sample Server to install the complete, ready-to-use product and the required software. If you select the sample server configuration option, you install the complete product family along with the applications and projects that you use to run the samples and tutorials.

The sample server defines a profile on WebSphere Application Server that contains the deployed applications to run the samples and tutorials. The sample server is the default option for developing, testing, and running samples and tutorials. This option is not for production use. Use the sample server option to test and learn about the features in Operational Decision Manager. This 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 the installation.

### Related tasks:

“Installing the product with the sample server” on page 12

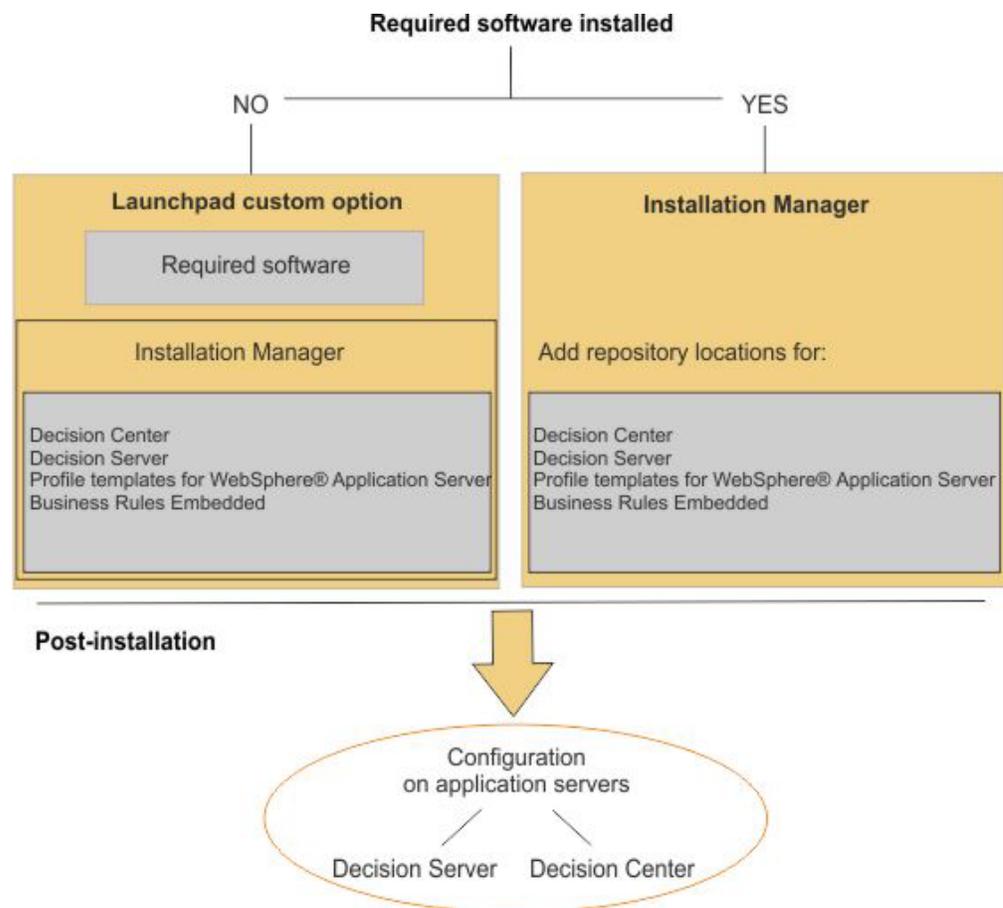
The Sample Server installation option installs the IBM Operational Decision Manager product family along with the required software. It also creates a sample server profile on WebSphere Application Server to run the samples and tutorials.

## Custom installation

You can use either the launchpad or Installation Manager to customize your installation of Operational Decision Manager. For example, you can install only a subset of the Operational Decision Manager components, deploy, and configure these components on WebSphere Application Server to benefit from clustering capabilities, or choose specific installation options.

Certain parts of the product require specific software be installed. If the required software is not already installed, use the launchpad. If the required software is already installed, or if you want to install a part of the product that does not require a specific software, you can use Installation Manager: for example, if you want to install only Rule Designer.

The following figure shows the paths for installing the product by using the launchpad, or by adding the repository locations in the preferences of Installation Manager.



To use Operational Decision Manager in a production environment, you must deploy and configure the archives that correspond to your application server. By using the custom installation option, you can install 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 applications on other supported application servers, such as Apache Tomcat, JBoss Application Server, Oracle WebLogic Server, or Java SE.

When the installation is complete, go to *Configuring* to configure Operational Decision Manager for your application server.

**Related tasks:**

“Installing a custom configuration” on page 14

You use the Custom installation option to install the required software and select the Operational Decision Manager components and specific features that you want. This option also allows more specific installation configurations, such as the installation in an existing Eclipse environment or IBM product. You can also perform a custom installation using the Installation Manager directly.

**Related information:**

“Installing the product with Installation Manager” on page 16

If you already installed the required software, you can use Installation Manager to select the specific Operational Decision Manager packages that you want to install.

---

## Installing the product with the launchpad

Operational Decision Manager comes with a launchpad that helps you install the product along with the additional required software. The launchpad has two installation options: Sample Server and Custom Installation.

**Related tasks:**

“Installing the product with the sample server” on page 12

The Sample Server installation option installs the IBM Operational Decision Manager product family along with the required software. It also creates a sample server profile on WebSphere Application Server to run the samples and tutorials.

“Installing a custom configuration” on page 14

You use the Custom installation option to install the required software and select the Operational Decision Manager components and specific features that you want. This option also allows more specific installation configurations, such as the installation in an existing Eclipse environment or IBM product. You can also perform a custom installation using the Installation Manager directly.

“Uninstalling the product” on page 48

To uninstall Operational Decision Manager, you must use the uninstall option of Installation Manager.

**Related information:**

“Installing the product with Installation Manager” on page 16

If you already installed the required software, you can use Installation Manager to select the specific Operational Decision Manager packages that you want to install.

## Starting the launchpad

Operational Decision Manager comes with a launchpad that helps you install the product along with the additional required software.

### About this task

Each installation disk contains a launchpad executable file. You can start the launchpad from any disk.

A web browser is required to run the launchpad, either Firefox or Internet Explorer.

The user privileges depend on the account that you used to log in to your computer. However, if you install the product by 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.

You can install Operational Decision Manager either as a regular user or as an administrator. On Windows7, the Program Files and Program Files (x86) directories are protected. As a consequence, if you are not installing the product as an administrator, you might encounter difficulties to run certain programs. To avoid this issue, install the product in a directory other than Program Files or Program Files (x86).

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

- On **Windows 7**: You must log in with an account that has administrator privileges to install or update IBM Installation Manager and the other products. Run the installer as Administrator by right-clicking the program file or shortcut and selecting **Run as Administrator**.

**Note:** If you want to install the Operational Decision Manager components with a version of Installation Manager that is already installed on your machine, make sure that the **User Account Control** setting in the **Control Panel** is not set at the lowest value. If this value is set to the minimum, the launchpad is launched automatically in administrator mode and installs a new version of Installation Manager in addition to the one that is already installed.

- On **Other supported Windows versions** if you want to install as an administrator 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. The choice of one or the other does not determine whether you install a 32 or 64-bit Operational Decision Manager, but whether the launchpad is run in 32 or 64-bit mode.

In Custom installation mode, you can select whether you want to install a 32-bit or a 64-bit WebSphere Application Server. In typical modes, the installation is done in the background and chooses the version that matches the operating system.

**Note:** On Windows 7 right-click the file, and select **Run as Administrator**.

- On Linux, run `./launchpad.sh`.

## What to do next

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

**Related tasks:**

“Installing the product with the sample server”

The Sample Server installation option installs the IBM Operational Decision Manager product family along with the required software. It also creates a sample server profile on WebSphere Application Server to run the samples and tutorials.

“Installing a custom configuration” on page 14

You use the Custom installation option to install the required software and select the Operational Decision Manager components and specific features that you want. This option also allows more specific installation configurations, such as the installation in an existing Eclipse environment or IBM product. You can also perform a custom installation using the Installation Manager directly.

## Installing the product with the sample server

The Sample Server installation option installs the IBM Operational Decision Manager product family along with the required software. It also creates a sample server profile on WebSphere Application Server to run the samples and tutorials.

### About this task

The sample server installation option installs the following Operational Decision Manager components:

- IBM Decision Center
- IBM Decision Server

It installs also the tutorial and sample projects, and the following required software:

- WebSphere Application Server Network Deployment
- WebSphere eXtreme Scale

You can use this component even if you do not have a license for IBM Decision Center. In this case, your usage is limited to run samples and tutorials.

### Procedure

To install IBM Operational Decision Manager with the sample server:

1. Start the launchpad.
2. On the Welcome page, select **Sample Server**.
3. Specify the directory where you want to install the product.

On Windows 7, if you run the launchpad as an administrator, the proposed installation directory is: C:\Program Files (x86)\IBM\ODM851.

If you run the launchpad in user mode, the proposed installation directory is: C:\Users\IBM\_ADMIN\IBM\ODM851 .

You can specify a different location than the one propose by default by clicking **Browse**. Note, however, that on Windows7 the Program Files and Program Files (x86) directories are protected. If you are not installing the product as an administrator, you might encounter difficulties to run certain programs. To avoid this issue, install the product in a directory other than Program Files or Program Files (x86).

4. Enter a user name and password for logging in to the WebSphere Application Server administration console and other applications such as the Event Widgets. For example:
  - User Name: odmadmin
  - Password: odmadmin

Your user ID and password must not contain any white spaces.

**Important:**

For security reasons, you must change your password and remove the temporary response files created by the launchpad after the installation is complete. These files are generated during the installation process in these directories:

- On Windows: %TEMP%\IBM\_LaunchPad\_<InstallType>\_<TimeStamp>
  - On Unix: /tmp/IBM\_LaunchPad\_<InstallType>\_<TimeStamp>
5. If you have an Operational Decision Manager Express license, select the corresponding option.  
If you want to upgrade from Operational Decision Manager Express to Operational Decision Manager, you must uninstall the Express version completely from your computer and then reinstall it by using the launchpad or Installation Manager.
  6. Click **Next**.
  7. Review the license agreement and notices, and select the check box to agree to the terms.
  8. At the bottom of the page, click **Install Software**.  
During the installation, the installer prompts you to confirm that you want to run the Installation Manager and other installation programs, click **Yes** to accept.  
The installation runs in the background. Do not close the launchpad even if the progress bar shows 100% completion. Wait until the following message is displayed: Installation completed successfully.
  9. Click **Close**, and then click **Exit**.
  10. Click **OK** to confirm that you want to exit the launchpad.  
If you cancel the installation before its completion, the files and folders that are already copied onto your computer are not deleted. You must uninstall the products that the launchpad already installed with the Installation Manager, and manually delete the remaining files before you run the launchpad again. For more information, see “Uninstalling the product” on page 48.

## Results

When the installation is complete, the following elements are 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

By default, they are installed in the following directories:

- Operational Decision Manager: <IBM\_InstallDir>/ODM851/ODM, where <IBM\_InstallDir> refers to your IBM installation directory.
- WebSphere eXtreme Scale and WebSphere Application Server: <IBM\_InstallDir>/ODM851/WAS/AppServer, where <IBM\_InstallDir> refers to your IBM installation directory.

## What to do next

Start the sample server with the **Start** menu shortcut. A profile is configured on WebSphere Application Server Network Deployment to run the included samples and tutorials. For more information, see “Get started with the Sample Server” on page 46.

### Related concepts:

“What to do next” on page 46

You might have some configuration work to do post-installation depending on the installation option that you selected.

“Installation options” on page 7

Before you install IBM Operational Decision Manager, consider how you want to use Decision Server and Decision Center, and whether you plan to configure them on an existing production server. You have several installation options from which you can select depending on your needs.

“Installing the product with the launchpad” on page 10

Operational Decision Manager comes with a launchpad that helps you install the product along with the additional required software. The launchpad has two installation options: Sample Server and Custom Installation.

“Checking the software requirements” on page 5

Before you start installing Operational Decision Manager, make sure that you have the required software and environments, and that you have sufficient disk space.

“Typical installation: Sample Server” on page 8

For developing, testing, and running samples and tutorials, select Sample Server in the launchpad. The sample server option installs a predefined configuration and profiles for use on WebSphere Application Server.

### Related information:

“Installing the product with Installation Manager” on page 16

If you already installed the required software, you can use Installation Manager to select the specific Operational Decision Manager packages that you want to install.

## Installing a custom configuration

You use the Custom installation option to install the required software and select the Operational Decision Manager components and specific features that you want. This option also allows more specific installation configurations, such as the installation in an existing Eclipse environment or IBM product. You can also perform a custom installation using the Installation Manager directly.

### About this task

The Custom installation option starts the Installation Manager to install Decision Center, Decision Server, Profile templates for WebSphere Application Server, and Business Rules Embedded.

You can indicate the user privileges that you want to apply. For example, you can choose to install the product in a shared location for multiple users.

Use the launchpad to verify that you have the correct versions of the required software installed. If you do not have the required software installed, use the links provided in the launchpad to install them.

## Procedure

To perform a custom installation:

1. Start the launchpad.
2. On the **Welcome** page, select **Custom Installation**.
3. Specify the user privileges for the installation of the required software and Operational Decision Manager:
  - If you are an administrator or root user and you want to install as an 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 Operational Decision Manager with the same user privileges. For more information, see “User privileges” on page 18.

4. If you do not have Installation Manager installed, click **Install IBM Installation Manager**, and follow the steps in the installation wizard.
5. Click **Install IBM WebSphere Application Server Network Deployment** to run install this software.
  - a. Follow the steps in the installation wizard.

**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.
6. 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.

If you get a warning about the version of WebSphere Application Server, you can ignore it and continue the installation.
    - c. At the end of the installation, clear **Launch the Profile Management Tool console**, and then click **Finish**.
  7. When the installation of the required software is complete, you can either install each component separately, or install them all in one operation.
    - Click one of the following option to install only the corresponding component:

### Decision Center

An environment for business users to author, manage, and test business rules and event rules.

**Business Rules Embedded**

Development environment for adding business rules functionality to applications. You need an IBM Decision Server license to use this component and Eclipse 3.6 as your development environment.

**Decision Server**

Development and runtime environments for business rules and business events.

**Profile templates for WebSphere Application Server**

Events and rules template profiles and runtime for deploying Decision Center and Decision Server on WebSphere Application Server. You need an IBM Decision Server license to use this component.

- Click **Install Decision Manager** to install the four components at once.

The Installation Manager is launched. For more information, see “Running Installation Manager” on page 20.

**Related concepts:**

“What to do next” on page 46

You might have some configuration work to do post-installation depending on the installation option that you selected.

“Custom installation” on page 9

You can use either the launchpad or Installation Manager to customize your installation of Operational Decision Manager. For example, you can install only a subset of the Operational Decision Manager components, deploy, and configure these components on WebSphere Application Server to benefit from clustering capabilities, or choose specific installation options.

“Installing the product with the launchpad” on page 10

Operational Decision Manager comes with a launchpad that helps you install the product along with the additional required software. The launchpad has two installation options: Sample Server and Custom Installation.

“Checking the software requirements” on page 5

Before you start installing Operational Decision Manager, make sure that you have the required software and environments, and that you have sufficient disk space.

**Related information:**

“Installing the product with Installation Manager”

If you already installed the required software, you can use Installation Manager to select the specific Operational Decision Manager packages that you want to install.

---

## Installing the product with Installation Manager

If you already installed the required software, you can use Installation Manager to select the specific Operational Decision Manager packages that you want to install.

Using Installation Manager, you can install only a subset of Operational Decision Manager. You can also customize your installation for specific configurations. For example, you can:

- Extend an existing Eclipse environment
- Install Operational Decision Manager in another compatible IBM product
- Install the archives for configuring an application server other than WebSphere Application Server
- Install the local help system

Before you proceed with the installation, make sure that you have a license for the products you want to install.

IBM Operational Decision Manager is split into components that correspond to installable units:

**IBM Decision Center**

An environment for business users to author, manage, and test business rules and event rules.

**IBM Decision Server**

Development and runtime environments for business rules and business events.

**Profile templates for WebSphere Application Server**

Events and rules template profiles and runtime for deploying Decision Center and Decision Server on WebSphere Application Server. You need an IBM Decision Server license to use this component.

**Business Rules Embedded**

Development environment for adding business rules functionality to applications. You need an IBM Decision Server license to use this component and Eclipse 3.6 as your development environment.

To install the Operational Decision Manager components, Installation Manager must access the corresponding repositories. When you use the product launchpad, the path to these repositories is set automatically in the Installation Manager preferences. If you are not using the launchpad, you must specify the repository URLs in Installation Manager.

After you complete the installation of the products with Installation Manager, you have to configure Decision Center and Decision Server to use Operational Decision Manager in production.

**Related concepts:**

“Installation options” on page 7

Before you install IBM Operational Decision Manager, consider how you want to use Decision Server and Decision Center, and whether you plan to configure them on an existing production server. You have several installation options from which you can select depending on your needs.

“Installing the product with the launchpad” on page 10

Operational Decision Manager comes with a launchpad that helps you install the product along with the additional required software. The launchpad has two installation options: Sample Server and Custom Installation.

“Checking the software requirements” on page 5

Before you start installing Operational Decision Manager, make sure that you have the required software and environments, and that you have sufficient disk space.

“Custom installation” on page 9

You can use either the launchpad or Installation Manager to customize your installation of Operational Decision Manager. For example, you can install only a subset of the Operational Decision Manager components, deploy, and configure these components on WebSphere Application Server to benefit from clustering capabilities, or choose specific installation options.

“Upgrading to another version” on page 47

Prior to upgrading to a different version of the product or adding or removing features and functions, you might have to perform preliminary steps.

**Related tasks:**

“Installing the product with the sample server” on page 12

The Sample Server installation option installs the IBM Operational Decision Manager product family along with the required software. It also creates a sample server profile on WebSphere Application Server to run the samples and tutorials.

“Installing a custom configuration” on page 14

You use the Custom installation option to install the required software and select the Operational Decision Manager components and specific features that you want. This option also allows more specific installation configurations, such as the installation in an existing Eclipse environment or IBM product. You can also perform a custom installation using the Installation Manager directly.

“Uninstalling the product” on page 48

To uninstall Operational Decision Manager, you must use the uninstall option of Installation Manager.

## Installation Manager overview

You use IBM Installation Manager to install and maintain IBM products.

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

### User privileges

You can install Operational Decision Manager as an administrative user (root) or as a nonadministrative user (nonroot).

You must use the same user to install the required software, for example you must install Operational Decision Manager 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 that is in the Installation Manager directory.

### Nonadministrator user

If you want a specific user to install products on a computer, run the `userinst` executable file that is in the Installation Manager directory.

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

### Note:

The 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 Operational Decision Manager in a package group, which is used to group multiple packages into one manageable location.

Installation Manager specifies a default “Package group” and a “Shared resources directory.”

### 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 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 the product in an existing package group if you 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 Operational Decision Manager in a compatible IBM product” on page 22.

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

### 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 tasks:

“Installing Operational Decision Manager in a compatible IBM product” on page 22

You can install Operational Decision Manager in a compatible IBM product package group to share functions and a common user interface.

### Languages

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

Language selection applies only to Eclipse features. A language pack is installed for each language that you select so that you can 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.

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 install the product directly from Installation Manager without going through the launchpad, you must specify the directories of the installers in the preferences.

### Procedure

1. Start Installation Manager from the Windows **Start** menu or from a command line.
2. Click **File > Preferences** and specify the repository locations as follows:
  - Decision Center: <extractionDir>/disk3/WDC
  - Decision Server: <extractionDir>/disk2/WDS
  - Profile templates for WebSphere Application Server: <extractionDir>/disk2/OW
  - Business Rules Embedded: <extractionDir>/disk2/ER

Installation Manager retrieves the product packages from the specified repository locations.

For more information on how to set repository locations, see Repository preferences in the Installation Manager information center.

### Related tasks:

“Running Installation Manager”

You use Installation Manager to install one or more Operational Decision Manager components on your computer. You can start it directly, or through the launchpad if you have to install first the required software.

## Running Installation Manager

You use Installation Manager to install one or more Operational Decision Manager components on your computer. You can start it directly, or through the launchpad if you have to install first the required software.

### About this task

If you are installing the product from the **Custom installation** option of the launchpad, the paths to the repository locations of the various Operational Decision Manager components are automatically set in the Installation Manager preferences.

If you are using Installation Manager directly, make sure that you specify the repository locations. For more information, see “Setting up Installation Manager preferences.”

### Procedure

To install Operational Decision Manager with Installation Manager:

1. On the Install Packages page, select Decision Center Decision Server, Business Rules Embedded, and Profile templates for WebSphere Application Server, then click **Next**.

Depending on your needs, you can install one or all of the packages on the same computer. For more details on the features included in each package, see “Selecting the features to install” on page 24.

**Note:** You must have both Decision Center and Decision Server 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. Optional: Click **Next** to accept the default path for the shared resources directory. Perform this step if Operational Decision Manager is the first product that you install with Installation Manager.

For more information see, “Package groups and the shared directory” on page 19.

4. Select a package group:

- a. Select **Create a new package group** to create a new package group for Operational Decision Manager.

The default package group is ODM851 and its name is IBM Operational Decision Manager.

The default installation directory is C:\Program Files\IBM\ODM851 . On Windows7, the Program Files and Program Files (x86) directories are protected. If you are not installing the product as an administrator, you might encounter difficulties to run certain programs. To avoid this issue, install the product in a directory other than Program Files or Program Files (x86).

- b. Click **Next** to continue.

For more information see, “Package groups and the shared directory” on page 19 and “Installing Operational Decision Manager 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 the product in an existing Eclipse environment” 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 by default. For more information on the features, see “Selecting the features to install” on page 24.

8. Select **Application Server Location**, and browse to your installation of WebSphere Application Server where you want to deploy the applications, and then click **Next**. For example <IBM\_InstallDir>/WebSphere/AppServer.

By default, Operational Decision Manager supports JDK7. If you have an existing WebSphere Application Server that runs JDK6, you must upgrade your JDK version by using the installation option IBM WebSphere SDK Java Technology Edition version 7.0.1.

9. Select **Server Security**, and enter a user ID and password for the sample server profile on WebSphere Application Server, and then click **Next**. For example:
  - User ID: odmadmin
  - Password: odmadminYour user ID and password must not contain any white spaces.  
You use the user ID and password to connect to the WebSphere Application Server administrative console, the Event Widgets and the Events Administration console.
10. Optional: Select **IBM Operational Decision Manager Express** if you have the corresponding license, and check the **Install** option.  
If you want to upgrade from Operational Decision Manager Express to Operational Decision Manager, you cannot use the **Modify packages** option. You must uninstall the Express version completely from your computer and then reinstall it by using the launchpad or Installation Manager.
11. On the Summary page, review the selected features before you install the packages, and then click **Install**.
12. Wait until the installation is complete, and then click **Finish**.

## Results

The product is installed in the directory that you have specified. The default installation directory is `<IBM_InstallDir>/ODM851`, where `<IBM_InstallDir>` refers to your IBM installation directory.

The products and features that are installed depend on what you 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 46.

### Related concepts:

“Troubleshooting the installation” on page 44

If you encounter difficulties installing the products, you can check the installation logs or the limitations and known issues technote.

## Installing Operational Decision Manager in a compatible IBM product

You can install Operational Decision Manager in a compatible IBM product package group to share functions and a common user interface.

### About this task

You can install Operational Decision Manager in the package groups of one of the following products:

- IBM Integration Designer
- Rational Application Developer

- Rational Developer for z (RDz)
- Rational Software Architect

Before you start the installation, make sure that the repository locations of these products are not selected in the preferences of Installation Manager.

Go to the following support page to check the supported versions:

- IBM Operational Decision Manager detailed system requirements

## 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 destination package group.

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 19

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

## Installing the product in an existing Eclipse environment

Installation Manager installs by default a new instance of Eclipse (version 3.6.2.4). However, if you already have a supported version of Eclipse, you can choose to extend it.

### Installing the required plug-ins and patch level

Before you install the product in an existing Eclipse environment, make sure that it contains the required plug-ins, and that the current patch level is installed.

### Before you begin

Rule Designer requires Eclipse SDK 3.6 with the following up-to-date features:

- PDE 3.6
- Graphical Editing Framework (GEF) 3.6
- Eclipse Modeling Framework (EMF) 2.6
- Business Intelligence and Reporting Tools (BIRT) 2.6
- Data Tools Platform (DTP) 1.8
- Web Tools Platform (WTP) 3.2
- XSD 2.6

These plug-ins are automatically added as dependencies.

In addition, be sure to install the appropriate patch level. For more information about obtaining the right level of patch, see the technical notes: Operational Decision Manager V8.5 Known Limitations.

## Procedure

1. Start Eclipse and click **Help > Check for updates**.
2. Click **Next**.
3. Review the items to be updated and click **Next**.
4. Review the license terms, and select **I accept the terms of the license agreement**.
5. Click **Finish** to install the required components.
6. Click **Restart Now** if you are prompted to restart Eclipse.

## Extending an existing Eclipse environment

If the required plug-ins are installed, you can extend your current Eclipse environment.

### Before you begin

The Eclipse instance to extend must contain an initialization (.ini) file. If there is no such 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

The package files are installed in the package group directory that you select, but the package functions are available in your Eclipse.

## Procedure

1. In Installation Manager, when you are 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

In Installation Manager, you can select the features that you want to install within each Operational Decision Manager component.

A default set of features is preselected but you can add or remove features depending on your needs. For a detailed description of the installable components and features, see the following sections:

- “Decision Center features” on page 25
- “Decision Server features” on page 27
- “Profile templates for WebSphere Application Server” on page 30
- “Business Rules Embedded” on page 30

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

After you finish installing the packages, you can add or remove features from your product with the **Modify Packages** wizard in Installation Manager.

## Decision Center features

The following table describes the features available for selection in the IBM Decision Center component.

Table 3. Decision Center features

Feature	Description
<b>Decision Center</b>	<p>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.</p> <p>By default, Decision Center is installed on the sample server profile on WebSphere Application Server. After you complete 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.</p>
Decision Center: Installation artifacts for other application servers > <b>Decision Center for Tomcat</b>	<p>Provides the archives to deploy and configure Decision Center on Tomcat. The archives are copied to &lt;InstallDir&gt;/teamserver/applicationservers/tomcat.</p> <p>For more information, see Configuring.</p>
Decision Center: Installation artifacts for other application servers > <b>Decision Center for JBoss</b>	<p>Provides the archives to deploy and configure Decision Center on JBoss. The archives are copied to &lt;InstallDir&gt;/teamserver/applicationservers/JBoss.</p> <p>For more information, see Configuring.</p>
Decision Center: Installation artifacts for other application servers > <b>Decision Center for WebLogic Server</b>	<p>Provides the archives to deploy and configure Decision Center on WebLogic Server. The archives are copied to &lt;InstallDir&gt;/teamserver/applicationservers/WebLogic.</p> <p>For more information, see Configuring.</p>

Table 3. Decision Center features (continued)

Feature	Description
<p><b>Decision Center &gt; Event Widgets for Decision Center</b></p>	<p>By using the Event Capture widget and the Event Replay widget, you can capture events from a production system, and replay a sequence of events, typically on a test system.</p> <p>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.</p> <p>The Event Tester widget provides a way to test the event logic in a business process. This widget is aimed at testing and must be used only on a test installation. Do not use it on a production installation as it might affect performance.</p> <p>For more information, see Monitoring business event processing using the chart widgets</p>
<p><b>Rule Solutions for Office</b> (for Windows only)</p>	<p>Rule Solutions for Office provides a way for business users to create and edit business rules in Microsoft Word or Excel.</p> <p>This option copies the installer for Rule Solutions for Office to your installation directory. The executable file for the installer is copied to &lt;InstallDir&gt;/Rule Solutions for Office/RuleSolutionsForOffice.exe, see "Installing Rule Solutions for Office" on page 36</p>
<p><b>Samples and Tutorials</b></p>	<p>Installs the projects for the samples and tutorials, and provides the sample server profile to run the samples and tutorials on WebSphere Application Server.</p> <p>WebSphere Application Server is a prerequisite for this option.</p>

Table 3. Decision Center features (continued)

Feature	Description
<b>Local help system</b>	<p>By default this feature is not selected because the help system points to the online information center.</p> <p>You can select the <b>Local help system</b> option if you prefer accessing the help contents locally. To use the local help system, you need an Internet connection only the first time to download the help contents from the web. After you download the help contents, you must set up the local help. For more information, see Installing and accessing the documentation locally.</p> <p><b>Important:</b> The local help system does not work on 64-bit platforms, such as Red Hat Enterprise Linux (RHEL) that do not have a 32-bit compatibility library installed.</p>

## Decision Server features

The following table shows the features in the IBM Decision Server package.

Table 4. Decision Server features

Feature	Description
Decision Server Rules	
<b>Rule Designer</b>	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 <b>Rule</b> perspective in Eclipse.
Rule Designer > <b>Scorecard Modeler</b>	Scorecard Modeler is a set of extra plug-ins that are 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 4. Decision Server features (continued)

Feature	Description
<p><b>Rule Execution Server</b></p>	<p>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.</p> <p>By default, Rule Execution Server is installed on the sample server profile on WebSphere Application Server. After you complete 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.</p> <p>Select the type of license that you have:</p> <p><b>Non-production license</b> Select this option if you want to use the product for development purposes.</p> <p>This license can be deployed only as part of development and test environment for internal non-production activities.</p> <p><b>Production license</b> Select this option if you want to use the product for production.</p>
<p>Rule Execution Server: Installation artifacts for other application servers &gt; <b>Rule Execution Server for Tomcat</b></p>	<p>Provides the archives to deploy and configure Rule Execution Server on Tomcat. The archives are copied to <code>&lt;InstallDir&gt;/executionserver/applicationserver/tomcat</code>.</p> <p>For more information on how to use the archives to deploy and configure Rule Execution Server, see <i>Configuring Rule Execution Server</i>.</p>
<p>Rule Execution Server: Installation artifacts for other application servers &gt; <b>Rule Execution Server for JBoss</b></p>	<p>Provides the archives to deploy and configure Rule Execution Server on JBoss. The archives are copied to <code>&lt;InstallDir&gt;/executionserver/applicationserver/JBoss</code>.</p> <p>For more information on how to use the archives to deploy and configure Rule Execution Server, see <i>Configuring Rule Execution Server</i>.</p>
<p>Rule Execution Server: Installation artifacts for other application servers &gt; <b>Rule Execution Server for WebLogic Server</b></p>	<p>Provides the archives to deploy and configure Rule Execution Server on WebLogic Server. The archives are copied to <code>&lt;InstallDir&gt;/executionserver/applicationserver/ WebLogic</code>.</p> <p>For more information on how to use the archives to deploy and configure Rule Execution Server, see <i>Configuring Rule Execution Server</i>.</p>

Table 4. Decision Server features (continued)

Feature	Description
Decision Server Events	WebSphere Application Server is a prerequisite for Decision Server Events.
<b>Event Designer</b>	A development environment within Eclipse to design, develop, test, deploy, and monitor event applications. Event Designer is available from the <b>Event</b> perspective in Eclipse.
Runtime > <b>Event Runtime</b>	<p>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.</p> <p>Select the type of license that you have:</p> <p><b>Non-production license</b> Select this option if you want to use the product for development purposes.</p> <p>This license can be deployed only as part of development and test environment for internal non-production activities.</p> <p><b>Production license</b> Select this option if you want to use the product for production.</p>
Runtime > <b>Event Tester Enabler</b>	If Event Tester Enabler is selected, then the Event Tester widget is available.
Runtime > <b>Event Connectors (Legacy)</b>	Event connectors provide data connections between the event runtime and external systems. Legacy connectors include email and ftp.
<b>Event Widgets for Decision Server</b>	<p>By using the Event Capture widget and the Event Replay widget, you can capture events from a production system, and replay a sequence of events, typically on a test system.</p> <p>The Event Tester widget provides a way to test the event logic in a business process. This widget is aimed at testing and must be used only on a test installation. Do not use it on a production installation as it might affect performance.</p> <p>For more information, see Monitoring business event processing using the chart widgets.</p>
<b>Integration Components</b>	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.
Shared components	

Table 4. Decision Server features (continued)

Feature	Description
<b>Samples and Tutorials</b>	<p>Installs the projects for the samples and tutorials, and provides the sample server profile to run the samples and tutorials on WebSphere Application Server.</p> <p>WebSphere Application Server is a prerequisite for this option.</p>
<b>Update sites for installation into other Eclipse products</b>	<p>Provides compressed files that contain 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 feature provides an alternate way of installing the Designer plug-ins into a supported Eclipse after the installation of Operational Decision Manager.</p> <p>For more information, see Extending Eclipse with the Rule Designer update sites.</p>
<b>Local help system</b>	<p>By default this feature is not selected because the help system points to the online information center.</p> <p>You can select the <b>Local help system</b> option if you prefer accessing the help contents locally. To use the local help system, you need an Internet connection only the first time to download the help contents from the web. After you download the help contents, you must set up the local help. For more information, see Installing and accessing the documentation locally.</p> <p><b>Important:</b> The local help system does not work on 64-bit platforms, such as Red Hat Enterprise Linux (RHEL) that do not have a 32-bit compatibility library installed.</p>

## Profile templates for WebSphere Application Server

This component contains the events and rules template profiles and runtime that are required to deploy Operational Decision Manager on a WebSphere Application Server.

For details on profile templates, see Operational Decision Manager profile templates.

## Business Rules Embedded

With Business Rules Embedded, you can use business rules to dynamically configure the behavior of an Eclipse Rich Client Platform (RCP) application or a Dojo-based web application.

For detailed information about this component, see Business Rules Embedded.

---

## Installing in silent mode

In some cases, Operational Decision Manager has to be installed within a specific configuration on multiple computers. You can install the product components by running Installation Manager in silent installation mode to automate the process, and deploy the products to multiple systems.

You perform a silent installation by running Installation Manager with response files that correspond to the products that you want to install. Template response files are provided with the installer to help you perform a silent installation.

### Installing Installation Manager silently

You can install Installation Manager silently with the Installation Manager installer, and then use it to install silently the product packages.

#### About this task

In silent mode, there is no interaction with the Installation Manager user interface.

Operational Decision Manager is bundled with Installation Manager version 1.6.2. Installation Manager version 1.6.0 or later is required to install the Operational Decision Manager products.

#### Procedure

To install Installation Manager silently:

1. Go to the location where you extracted the Operational Decision Manager installation disks and go to: `diskX\IM\`.  
The IM directory is available from any disk. If you use Linux 64-bit, the directory is `IM64`.
2. Go to the directory `diskX\responsefiles`.  
The `responsefiles` directory is available from any disk.
3. In the file `IM_Silent.xml`, replace `!IM_REPOSITORY!` with the path to the directory where the Installation Manager installer is located. A typical value is:  
`<install_root>\diskX\IM`.
4. Run one of the following commands:
  - If you are an administrator:  
`installc.exe -input <path_to_silent_file>\IM_Silent.xml -acceptlicense`
  - If you are not an administrator:  
`userinstc <path_to_silent_file>\IM_Silent.xml -acceptlicense`

### Setting the response file for required software

WebSphere Application Server and WebSphere eXtreme Scale are prerequisites to the installation of the other Operational Decision Manager packages. WebSphere eXtreme Scale is required if you want to install Decision Server Events. You can install them silently using the provided response files.

#### About this task

Installation Manager uses response files to run the installation in silent mode. The following procedure explains how to set up the provided response files to run a silent installation for WebSphere Application Server and WebSphere eXtreme Scale.

## Procedure

### Setting up the response file for WebSphere Application Server

1. Go to the location where you extracted the Operational Decision Manager installation disks and go to: `diskX\responsefiles`.  
Response files are available on any disk.
2. In the file `Prerequisites_WAS_Silent.xml`, replace `!WAS_REPOSITORY!` with the path where the WebSphere Application Server installer is located. For example: `<install_root>\disk1\WAS`.
3. Replace the variable `!WAS_PROFILE_ID!` by any string. This value is used internally by Installation Manager to give a name to the WebSphere Application Server installation profile.
4. Replace the variable `!WAS_HOME!` by the path to the directory where you want to install WebSphere Application Server. For example: `c:\Program Files\IBM\WAS`.
5. If you want to install WebSphere Application Server in 64-bit mode, replace the variable `!BIT_64!` by the value indicated in the file . Otherwise, delete this line.
6. Replace the variable `!WAS_SDK_FEATURE_BIT_32_OR_64!` by the value `com.ibm.sdk.6_32bit` or `com.ibm.sdk.6_64bit` depending on whether you want to install a 32-bit or a 64-bit WebSphere Application Server.

### Setting up the response file for WebSphere eXtreme Scale

7. Go to the location where you extracted the Operational Decision Manager installation disks and go to: `diskX\responsefiles`.  
Response files are available on any disk.
8. Set the value of `-OPT installLocation` in the file `wxssetup.response.xml` to indicate the path to the directory where WebSphere Application Server is installed. For example: `c:\Program Files\IBM\WAS`.

## Setting the response file for Decision Server and Decision Center

In the same way as you set up a response file for WebSphere Application Server and WebSphere eXtreme Scale, you can configure a response file for the silent installation of the Operational Decision Manager packages: Decision Center and Decision Server.

### About this task

Installation Manager uses response files to run the installation in silent mode. The following procedure explains how to set up the provided response files to run a silent installation for Decision Center and Decision Server.

## Procedure

1. Go to the location where you extracted the Operational Decision Manager installation disks and go to `diskX\responsefiles`.  
Response files are available on any disk.
2. In the file `WODM_Silent.xml`, replace `!WDC_REPOSITORY!` and `!WDS_REPOSITORY!` with the path where the Decision Center and Decision Server installers are located.  
For example: `<install_root>\disk3\WDC` for Decision Center, and `<install_root>\disk2\WDS` for Decision Server.

3. Replace the variable `!WODM_PROFILE_ID!` by the value that is used internally by Installation Manager to give a name to the Operational Decision Manager installation profile: Operational Decision Manager V8.5.  
This profile corresponds to the Installation Manager profile, not to the WebSphere Application Server profile.
4. Replace the variable `!WODM_HOME!` by the path to the directory where you want to install Operational Decision Manager. For example, `c:\Program Files\IBM\ODM851`.
5. Replace the variables `!ADMIN_USERNAME!` and `!ADMIN_PASSWORD!` by the username and password that are required by WebSphere Application Server for security purposes.
6. Replace the variable `!EXPRESS_OPTION!` by `true` if you have an Operational Decision Manager Express license. If you do not set this value to `true` the standard version of the product is installed by default. Make sure that you have a license that corresponds to the type of installation that you are going to perform.
7. Replace the variables `!WODM_FEATURES_DECISION_CENTER!`, `!WODM_FEATURES_DECISION_SERVER_RULES!`, and `!WODM_FEATURES_DECISION_SERVER_EVENTS!` with a comma-separated list of the features that you want to install.

The following table provides a complete lists of all the features available. For a detailed description of these features, see “Selecting the features to install” on page 24.

*Table 5. List of features to install*

Product	List of features
<b>Decision Center</b>	<ul style="list-style-type: none"> <li>• jdk</li> <li>• base</li> <li>• Decision Center</li> <li>• Rule Solutions for Office</li> <li>• com.ibm.wdc.rules.samples.feature</li> <li>• com.ibm.wbdm.dts.tomcat.feature</li> <li>• com.ibm.wbdm.dts.jboss.feature</li> <li>• com.ibm.wbdm.dts.weblogic.feature</li> <li>• com.ibm.wdc.event.widgets.feature</li> </ul>
<b>Decision Server Rules</b>	<ul style="list-style-type: none"> <li>• com.ibm.wds.jdk.feature</li> <li>• base</li> <li>• com.ibm.wds.update sites.feature</li> <li>• com.ibm.wds.rules.studio.feature</li> <li>• com.ibm.wds.rules.res.feature</li> <li>• com.ibm.wds.rules.samples.feature</li> <li>• com.ibm.wds.rules.scorecard.feature</li> <li>• com.ibm.wds.rules.res.tomcat.feature</li> <li>• com.ibm.wds.rules.res.jboss.feature</li> <li>• com.ibm.wds.rules.res.weblogic.feature</li> </ul>

Table 5. List of features to install (continued)

Product	List of features
Decision Server Events	<ul style="list-style-type: none"> <li>• com.ibm.wds.jdk.feature</li> <li>• base</li> <li>• com.ibm.wds.updateSites.feature</li> <li>• com.ibm.wds.studio.events.feature</li> <li>• com.ibm.wds.events.runtime.feature</li> <li>• com.ibm.wds.events.connectors.feature</li> <li>• com.ibm.wds.events.integration.feature</li> <li>• com.ibm.wds.events.propertiesui.feature</li> <li>• com.ibm.wds.event.widgets.feature</li> <li>• com.ibm.wds.events.testers.feature</li> </ul>

**Related concepts:**

Operational Decision Manager Express

## Setting the response file for Profile templates for WebSphere Application Server

If Decision Center and Decision Server are to be deployed on WebSphere Application Server, you can set up a response file to install the corresponding profile templates and runtime silently.

### About this task

Installation Manager uses response files to run the installation in silent mode. The following procedure explains how to set up the provided response files to run a silent install for Profile templates for WebSphere Application Server.

### Procedure

1. Go to the location where you extracted the Operational Decision Manager installation disks and go to: diskX\responsefiles.  
Response files are available on any disk.
2. In the file OW\_Silent.xml, replace !OW\_REPOSITORY! with the path where the Profile templates for WebSphere Application Server installer is located. For example: <install\_root>\disk1\OW.
3. Replace the variable !WODM\_PROFILE\_ID! by the value used internally by Installation Manager to give a name to the Operational Decision Manager installation profile: Operational Decision Manager V8.5.

This profile corresponds to the Installation Manager profile, not to the WebSphere Application Server profile.

## Installing Operational Decision Manager silently

After all the response files are set up, you can start a silent installation.

### About this task

The following procedure explains how to perform a silent installation of Operational Decision Manager with Installation Manager. The installation must be performed in the shown order.

## Procedure

1. To install Installation Manager:
  - If you are an administrator, type:  
`installc.exe -input <path_to_silent_file>\IM_Silent.xml -acceptlicense`
  - If you are not an administrator, type:  
`userinstc <path_to_silent_file>\IM_Silent.xml -acceptlicense`
2. To install WebSphere Application Server:
  - **On Windows systems:**
    - a. Go to the directory where you have installed Installation Manager.
    - b. Go to the directory `eclipse\tools`.
    - c. Type the command `imcl.exe -input <path_to_response_file>\Prerequisites_WAS_Silent.xml -acceptLicense`.
  - **On Unix systems:**
    - a. Go to the directory where you have installed Installation Manager.
    - b. Go to the directory `eclipse/tools`.
    - c. Type the command `./imcl input <path_to_response_file>/Prerequisites_Silent.xml -acceptLicense`.
3. To install WebSphere eXtreme Scale:
  - **On Windows systems:**
    - a. Go to the directory `<install_root>\WXS`.
    - b. Type the command:  
`imcl.exe -input <path_to_response_file>\WXS_Silent.xml -acceptLicense`
  - **On Unix systems:**
    - a. Go to the directory `<install_root>\WXS`.
    - b. Type the command:  
`./imcl input <path_to_response_file>/WXS_Silent.xml -acceptLicense`
4. To install the Operational Decision Manager components:
  - **On Windows systems:**
    - a. Go to the directory where you have installed Installation Manager.
    - b. Go to the directory `eclipse\tools`.
    - c. Type the command:  
`imcl.exe -input <path_to_response_file>\WODM_Silent.xml -acceptLicense`
  - **On Unix systems:**
    - a. Go to the directory where you have installed Installation Manager.
    - b. Go to the directory `eclipse/tools`.
    - c. Type the command:  
`./imcl input <path_to_response_file>/WODM_Silent.xml -acceptLicense`
5. To install Profile templates for WebSphere Application Server:
  - **On Windows systems:**
    - a. Go to the directory where you have installed Installation Manager.
    - b. Go to the directory `eclipse\tools`.
    - c. Type the command:  
`imcl.exe -input <path_to_response_file>\OW_Silent.xml -acceptLicense`

- **On Unix systems:**
  - a. Go to the directory where you have installed Installation Manager.
  - b. Go to the directory `eclipse/tools`.
  - c. Type the command:
 

```
./imcl input <path_to_response_file>/OW_Silent.xml -acceptLicense
```

---

## Installing Rule Solutions for Office

Once the installation of Decision Center is complete, you can manually run the installer for Rule Solutions for Office.

### Before you begin

If you installed the product with Installation Manager, make sure that you selected the **Rule Solutions for Office** feature, see “Selecting the features to install” on page 24.

You must have a supported version of Microsoft Office to install Rule Solutions for Office. For details, see *Working with Microsoft 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 verify the content of the installation directory and use shortcuts to access product components and information.

### Folders in the installation directory

After you finish installing the Operational Decision Manager components, you can verify the content of the installation directory.

In your file system, go to your `<InstallDir>` folder: for example, `C:\Program Files\IBM\ODM851`. The Operational Decision Manager components are installed in the following folders:

*Table 6. Component-folder mapping*

Component	Folders
<b>Decision Server Rules</b>	
Rule Designer	studio
Rule Execution Server	executionserver
Getting started tutorials	gettingstarted
Shared third-party tools	shared

Table 6. Component-folder mapping (continued)

Component	Folders
Sample server	shared/sampleServer
.NET engine and migration tool	dotnet
Configuration files and plug-ins for Rule Designer	configuration
Local help system and XML schemas	doc
Extensions to Rule Designer	dropins
Files to package plug-ins into a feature during Eclipse configuration processing	features
Eclipse plug-ins	plugins
JDK (Windows only)	jdk
License agreement files	license
Provisioning system files	p2
<b>Decision Server Events</b>	
Legacy event connectors	connectors
Files that support the event runtime engine. This directory also includes the compressed files for downloading and installing the Event Chart widget, the Event Chart Manager, the Event Tester, and the Event Capture and Event Replay widgets.	runtime
Events connectors	ca
Configuration files	config
Configuration files and plug-ins for Event Designer	configuration
Extensions to Event Designer	dropins
Integration with other IBM products such as WebSphere Message Broker and WebSphere ESB	integration
<b>Decision Center</b>	teamservice, Rule Solutions for Office (optional)
<b>Business Rules Embedded</b>	rules-sdk

IBM Installation Manager installs the Eclipse plug-ins in the shared resources directory. The shared resources directory contains resources that can be shared by one or more package groups. This directory is managed by IBM Installation Manager and you must not modify anything in this directory.

The Eclipse plug-ins are also copied to <InstallDir>/studio/update-sites providing that you selected the corresponding option in IBM Installation Manager when installing the product. The update sites are delivered as ZIP files that you can extract to view the plug-ins.

If you install the component Profile templates for WebSphere Application Server, the corresponding folders are located in the following directories:

<WAS\_InstallDir>/profileTemplates/rules for rules profiles.

<WAS\_InstallDir>/profileTemplates/wbe for events profiles.

## Menu shortcuts

A list of the components that the installer adds to the shortcut menu, accessible via the start menu.

Your choice of installation determines what shortcuts the installer adds to the shortcut menu. If, for example, you choose Rule Designer, the shortcut for Rule Designer is added. If you choose Rule Execution Server, the shortcut for the Rule Execution Server console is added.

Start menu navigation	Shortcuts
<b>Start &gt; All Programs &gt; IBM &gt; Package_Group</b>	<p>The following is available under the package group level:</p> <ul style="list-style-type: none"> <li>• <b>Event Designer</b> opens Eclipse in the Event perspective.</li> <li>• <b>Information center for Operational Decision Manager.</b></li> <li>• <b>Rule Designer</b> opens Eclipse in the Rule perspective.</li> <li>• <b>Rule Solutions for Office</b> opens rule solutions for Office. This shortcut is only available if you install Rule Solutions for Office. To install Rule Solutions for Office, you must select the corresponding option in Installation Manager. You then run the installation manually by using the provided <b>.exe</b> file in &lt;InstallDir&gt;/Rule solutions for Office.</li> </ul>
<b>Start &gt; All Programs &gt; IBM &gt; Package_Group &gt; Getting Started Tutorials</b>	<p>The following is available under Getting Started tutorials:</p> <ul style="list-style-type: none"> <li>• <b>Decision Center Business console</b> opens the Getting Started for the Business console.</li> <li>• <b>Decision Center Enterprise console</b> opens the Getting Started for the Enterprise console.</li> <li>• <b>Decision Server Events</b> opens the Getting Started for Events.</li> <li>• <b>Decision Server Rules</b> opens the Getting Started for Business Rules.</li> </ul>
<b>Start &gt; All Programs &gt; IBM &gt; Package_Group &gt; Help and Support</b>	<p>You can use this shortcut to find the following documentation and support information:</p> <ul style="list-style-type: none"> <li>• <b>Collect Data for Problem Analysis</b> opens the IBM Support Assistant Data Collector for collecting diagnostic data.</li> <li>• <b>Online Support</b> opens the IBM Support home page.</li> </ul>

Start menu navigation	Shortcuts
<b>Start &gt; All Programs &gt; IBM &gt; Package_Group &gt; Sample Server</b>	<p>You can use this shortcut to access the following sample server tools and functions.</p> <ul style="list-style-type: none"> <li>• <b>Events tools:</b> <ul style="list-style-type: none"> <li>– <b>Connectors</b> opens the tooling for Events legacy connectors.</li> <li>– <b>Event Widgets</b> opens the web application in a web browser.</li> <li>– <b>Properties</b> opens the Properties tool.</li> </ul> </li> <li>• <b>Administrative console</b> opens the WebSphere Application Server administrative console.</li> <li>• <b>Decision Center Business console</b> opens the Decision Center Business console and targets a database that contains the provided sample projects in the <b>en_US</b> persistence locale.</li> <li>• <b>Decision Center Enterprise console</b> opens the Decision Center Enterprise console, and targets a database that contains the provided sample projects in the <b>en_US</b> persistence locale.</li> <li>• <b>Events Administration console</b> opens the Administration user interface for Events.</li> <li>• <b>Rule Execution Server Console</b> opens the Rule Execution Server console.</li> <li>• <b>Samples console (en_US)</b> opens Eclipse in the Samples console perspective with the en_US locale (American English).</li> <li>• <b>Start server</b> starts the sample profile on WebSphere Application Server.</li> <li>• <b>Stop server</b> stops the sample profile on WebSphere Application Server.</li> </ul>

## Shortcut commands

A list of the components that you can access via shortcut commands.

The installer adds relevant shortcuts in batch (.bat) files on Windows and Bash shell script (.sh) files on Linux.

You can consult the shortcut commands for your respective operating system environment:

- “Windows”
- “Linux” on page 40

## Windows

Shortcuts	Windows commands
Administrative console (Sample Server)	<InstallDir>/shared/bin/Administrativeconsole.bat
Connectors	<InstallDir>/connectors/bin/connectors.bat
Decision Center Enterprise console (Sample Server)	<InstallDir>/shared/bin/dcecopener.bat
Decision Center Business console (Sample Server)	<InstallDir>/shared/bin/dcbcopener.bat

Shortcuts	Windows commands
Events Administration console	<InstallDir>/shared/bin/EventRuntimeopener.bat
Event Designer	<InstallDir>/eclipse.exe -init -consolelog -perspective com.ibm.wbe.BusinessEvents
Getting Started for Decision Server Rules	<InstallDir>/images/GettingStartedServerRules.bat
Getting Started for Decision Center Business console	<InstallDir>\images\GettingStartedCenterBusinessConsole.bat
Getting Started for Decision Center Enterprise console	<InstallDir>\images\GettingStartedCenterEnterpriseConsole.bat
Getting Started for Decision Server Events	<InstallDir>\images\GettingStartedServerEvents.bat
Information center (remote)	<InstallDir>/images/InfoCenterOnline.bat
Collect Data for Problem Analysis	<InstallDir>/shared/isadc/index.html
Properties	<InstallDir>/connectors/bin/propertiesui.bat
Rule Execution Server console (Sample Server)	<InstallDir>/shared/bin/dsopener.bat
Rule Designer	<Eclipse_InstallDir>/eclipse.exe -init -consolelog -perspective ilog.rules.studio.ui.perspectives.RuleEditingPerspective
Samples console (en_US)	<Eclipse_InstallDir>/eclipse.exe -init -consolelog -nl en_US -perspective ilog.rules.studio.samples.console.perspectives.SamplesPerspective
Start server (Sample Server)	<InstallDir>/shared/bin/startserver.bat
Stop server (Sample Server)	<InstallDir>/shared/bin/stopserver.bat

## Linux

Shortcuts	Linux commands
Administrative console (Sample Server)	<InstallDir>/shared/bin/Administrativeconsole.sh
Connectors	<InstallDir>/connectors/bin/connectors.sh
Decision Center Enterprise console (Sample Server)	<InstallDir>/shared/bin/dcecopener.sh
Decision Center Business console (Sample Server)	<InstallDir>/shared/bin/dcbcopener.sh
Events Administration console	<InstallDir>/shared/bin/EventRuntimeopener.sh
Event Designer	<InstallDir>/eclipse -init -consolelog -perspective com.ibm.wbe.BusinessEvents
Getting Started for Decision Server Rules	<InstallDir>/images/GettingStartedServerRules.sh
Getting Started for Decision Center Business console	<InstallDir>\images\GettingStartedCenterBusinessConsole.sh
Getting Started for Decision Center Enterprise console	<InstallDir>\images\GettingStartedCenterEnterpriseConsole.sh
Getting Started for Decision Server Events	<InstallDir>\images\GettingStartedServerEvents.sh
Information center (remote)	<InstallDir>/images/InfoCenterOnline.sh

Shortcuts	Linux commands
Collect Data for Problem Analysis	<InstallDir>/shared/isadc/start_isadc.sh
Properties	<InstallDir>/connectors/bin/propertiesui.sh
Rule Execution Server console (Sample Server)	<InstallDir>/shared/bin/dsopener.sh
Rule Designer	<Eclipse_InstallDir>/eclipse -init -consolelog -perspective ilog.rules.studio.ui.perspectives.RuleEditingPerspective
Samples console (en_US)	<Eclipse_InstallDir>/eclipse -init -consolelog -nl en_US -perspective ilog.rules.studio.samples.console.perspectives.SamplesPerspective
Start server (Sample Server)	<InstallDir>/shared/bin/startserver.sh
Stop server (Sample Server)	<InstallDir>/shared/bin/stopserver.sh

---

## Installing and accessing the documentation locally

By default, the help system connects to the information center using the internet. However, you can install the documentation locally or on a network if you select the Local help system option in Installation Manager.

### Installing the product documentation on your computer

To install a local copy of the information center, you start the help system that you installed by selecting the **Local help system** option in Installation Manager and then download the documentation.

#### Before you begin

When you install the product by using Installation Manager, select the **Local help system** option to install the help system on your computer.

#### About this task

By default, the help system connects to the documentation over the internet. However, you can install the documentation locally on your machine instead. This option is useful if you want to view the documentation offline or on a computer without internet access. To set up a local version of the documentation, you start the help system, and then download and install the plug-ins.

#### Note:

To download the documentation, you need access to the internet.

#### Important:

The local help system does not work on 64-bits platforms such as Red Hat Enterprise Linux (RHEL) that do not have a 32-bits compatibility library installed.

#### Procedure

1. Start the help system in one of the following ways:
  - In the **Start** menu, click **All Programs > IBM > package\_group > Information center for Operational Decision Manager (local)**.

*package\_group* refers to the package group specified in IBM Installation Manager during installation. The default package group is Operational Decision Manager.

- Run the following script:
  - <InstallDir>/doc/help\_start.bat on Windows
  - <InstallDir>/doc/help\_start.sh on Linux.

To run the information center in a locale other than English, 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 does not display because you still must download the documentation content.

#### Note:

If you installed the product on Windows 7 in the Program Files or Program Files (x86) directory without administrator privileges, you might not be able to start the help system. To avoid potential issues, be sure to install the product with administrator rights or in a different directory.

2. Click  **Update** in the toolbar to display a list of the documentation sets that are already installed.
3. Click **Next** to display a list of documentation sets that you can install. 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.
6. Click **OK**, then click **Finish**.
7. Refresh the page to view the documentation.

## Results

The documentation is installed on your computer.

## 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 41.

**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:** Operational Decision Manager 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 Operational Decision Manager (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 Operational Decision Manager 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 41.

## 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 41.

### 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:** Operational Decision Manager 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 Operational Decision Manager 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`.

---

## Troubleshooting the installation

If you encounter difficulties installing the products, you can check the installation logs or the limitations and known issues technote.

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

- Version of Installation Manager installed

- Components installed and 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 Operational Decision Manager V 8.5.1

---

## Setting up your environment to automate processes

To deploy RuleApps to Rule Execution Server, automate managerial tasks within Decision Center, and run many of the samples, you must have Ant installed on your computer.

### About this task

The required version of Ant is 1.7.1 (or later). 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 in the following directory: <InstallDir>/shared/tools/ant.

### Procedure

To test and set up your environment to use Ant:

1. Set the *ANT\_HOME* environment variable to <InstallDir>/shared/tools/ant.
2. Set the *JAVA\_HOME* environment variable to the path to your JDK installation (version 1.7.1).
3. Add the directory <InstallDir>/shared/tools/ant/bin to your *PATH* environment variable.

4. Test your current version of Ant by typing the following in a Windows command prompt or UNIX shell:

```
ant -version
```

---

## What to do next

You might have some configuration work to do post-installation depending on the installation option that you selected.

- Sample server installation: No configuration is required to develop, test, and run the tutorials and samples. See “Get started with the Sample Server.”
- Custom installation: To use your rules empowered applications, you must configure the Operational Decision Manager applications on a production server. See “Use your application in production” on page 47.
- Stand-alone server installation. See What's new for developers.

### Get started with the Sample Server

The first time that you start the sample server, a profile (ODMSample) is configured on WebSphere Application Server Network Deployment to run the included samples and tutorials. You can start the sample server with 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 Operational Decision Manager V8.5.1.

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

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, see Getting started tutorials and Product tutorials
- Run the samples from the samples console in Eclipse, see Product samples.

For more information, see Using the sample server

#### Note:

- If you are using the sample server profile to run Events, you can use the same username and password to log in to the Event Widgets and to the Events Administration console.
- Single sign-on (SSO) authentication is activated for the sample server. With SSO, users can 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 by using the credentials that you entered at installation time.

## Use your application in production

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

Depending on your company's needs and on the products of Operational Decision Manager that you want to use, some configuration is required:

- To execute your rule-based application, see [Configuring Rule Execution Server](#).
- To execute your application with event processing, see [Configuring Decision Server Events](#).
- To deploy the Operational Decision Manager runtime profile templates for WebSphere Application Server, see [Operational Decision Manager profile templates](#)
- For business users to edit and test rules in Decision Center, see [Configuring](#).

To get a better understanding of the development lifecycle with Operational Decision Manager, see [Business rule application development](#).

### Related tasks:

[Configuring Decision Server Events](#)

["Installing the product with the sample server" on page 12](#)

The Sample Server installation option installs the IBM Operational Decision Manager product family along with the required software. It also creates a sample server profile on WebSphere Application Server to run the samples and tutorials.

### Related information:

[Configuring Rule Execution Server on WebSphere Application Server](#)

[Configuring Decision Center on WebSphere Application Server](#)

---

## Upgrading to another version

Prior to upgrading to a different version of the product or adding or removing features and functions, you might have to perform preliminary steps.

### Related tasks:

["Uninstalling the product" on page 48](#)

To uninstall Operational Decision Manager, you must use the uninstall option of Installation Manager.

### Related information:

["Installing the product with Installation Manager" on page 16](#)

If you already installed the required software, you can use Installation Manager to select the specific Operational Decision Manager packages that you want to install.

## Upgrading Operational Decision Manager Express to Operational Decision Manager

If you want to upgrade from Operational Decision Manager Express to Operational Decision Manager, you must perform first a complete uninstallation of the product and start on a clean slate.

You might want to upgrade from Operational Decision Manager Express to Operational Decision Manager to benefit from the events features and the clustering capabilities.

In this case, you cannot simply use the **Modify** option of the Installation Manager to upgrade to the fully-fledged version. You must first uninstall the Express version completely from your computer, and then reinstall it by using the launchpad or Installation Manager.

## Upgrading from version 8.5 to version 8.5.1

Before updating an installed version to version 8.5.1, you must make sure that there are no processes running that might access the existing version databases.

In particular, if you are using a Derby database you should make sure that the Derby java process is not running and that there is no residual Derby lock file in the current database directory. The presence of this file will cause the installation to fail.

In the directory <InstallDir>/shared/data/derby/resdb, locate the file db.lock and remove it before starting the update.

---

## Uninstalling the product

To uninstall Operational Decision Manager, you must use the uninstall option of Installation Manager.

### Before you begin

Make sure that you 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 with 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 it by 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 nonadministrator user, you must uninstall it by using the nonadministrator instance of Installation Manager, which is accessible through the **My IBM Installation Manager** start menu shortcut.

To be able to uninstall WebSphere Application Server and WebSphere eXtreme Scale properly, you must delete the ODMSample8500 profiles manually first. These profiles are created when you install the product by using the Sample server installation option of the launchpad. For more information, see [Deleting profiles](#).

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

### Procedure

1. Close the programs that you installed with Installation Manager.
2. Launch Installation Manager from the **Start** menu.
3. Select the components that you want to uninstall, then click **Next** and **Uninstall**.

### Related concepts:

“Upgrading to another version” on page 47

Prior to upgrading to a different version of the product or adding or removing

features and functions, you might have to perform preliminary steps.

“Installation options” on page 7

Before you install IBM Operational Decision Manager, consider how you want to use Decision Server and Decision Center, and whether you plan to configure them on an existing production server. You have several installation options from which you can select depending on your needs.

“Installing the product with the launchpad” on page 10

Operational Decision Manager comes with a launchpad that helps you install the product along with the additional required software. The launchpad has two installation options: Sample Server and Custom Installation.

**Related information:**

“Installing the product with Installation Manager” on page 16

If you already installed the required software, you can use Installation Manager to select the specific Operational Decision Manager packages that you want to install.



---

## Notices

This information was developed for products and services offered in the U.S.A.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM United Kingdom Laboratories,  
Mail Point 151,  
Hursley Park,  
Winchester,  
Hampshire,  
England SO21 2JN

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing  
Legal and Intellectual Property Law  
IBM Japan, Ltd.  
19-21, Nihonbashi-Hakozakicho, Chuo-ku  
Tokyo 103-8510, Japan

**The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:**

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those

websites. The materials at those websites are not part of the materials for this IBM product and use of those websites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM United Kingdom Laboratories,  
Mail Point 151,  
Hursley Park,  
Winchester,  
Hampshire,  
England SO21 2JN

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

#### COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or

imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

Each copy or any portion of these sample programs or any derivative work, must include a copyright notice as follows:

© (your company name) (year). Portions of this code are derived from IBM Corp. Sample Programs. © Copyright IBM Corp. \_enter the year or years\_.

---

## Trademarks

IBM, the IBM logo, and [ibm.com](http://ibm.com) are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at [www.ibm.com/legal/copytrade.shtml](http://www.ibm.com/legal/copytrade.shtml).

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.







Printed in USA