



# **Creating and importing reports into Unified Manager**

OnCommand Unified Manager 9.5

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# Creating and importing reports into Unified Manager

While Unified Manager provides reporting functionality, you might need to create new reports that are specific to your environment. You can create new reports using the Eclipse Business Intelligence and Reporting Tools (BIRT), and then import them into Unified Manager to view and manage.

## Before you begin

You must have the OnCommand Administrator role.

You must have downloaded and installed MySQL Connector/J. You must have the location of the mysql-connector-java-5.1.32-bin.jar file to create the JDBC data source, which connects the report to Unified Manager.

## About this task

For more detailed information on creating reports, see the Eclipse BIRT website.

## Downloading and installing MySQL Connector/J

You must download and install the MySQL Connector/J drivers in a specific location. You can use these drivers to create a data source that connects the report to Unified Manager.

### About this task

You must use MySQL Connector/J version 5.1 or later.

### Steps

1. Download the MySQL Connector/J drivers at [dev.mysql.com](http://dev.mysql.com).
2. Install the .jar file and note its location for future reference.

For example, install the .jar file at C:\Program Files\MySQL\MySQL Connector J\mysql-connector-java-5.1.32-bin.jar.

## Creating a database user

To support a connection between Workflow Automation and Unified Manager, or to access database views, you must first create a database user with the Integration Schema or Report Schema role in the Unified Manager web UI.

## Before you begin

You must have the OnCommand Administrator role.

## About this task

Database users provide integration with Workflow Automation and access to report-specific database views. Database users do not have access to the Unified Manager web UI or the maintenance console, and cannot execute API calls.

## Steps

1. In the toolbar, click , and then click **Management > Users**.
2. In the **Management/Users** page, click **Add**.
3. In the **Add User** dialog box, select **Database User** in the **Type** drop-down list.
4. Type a name and password for the database user.
5. In the **Role** drop-down list, select the appropriate role.

If you are...	Choose this role
Connecting Unified Manager with Workflow Automation	Integration Schema
Accessing reporting and other database views	Report Schema

6. Click **Add**.

## Downloading the Eclipse Business Intelligence and Reporting Tools (BIRT)

To create and import reports to Unified Manager, you must first download the Eclipse Business Intelligence and Reporting Tools (BIRT).

## Steps

1. Download the BIRT software at <http://download.eclipse.org/birt/downloads/>.

## After you finish

After downloading the BIRT software, you must extract the resulting .zip file.

## Creating a project using BIRT

Before creating a report for import into Unified Manager, you must first create a project using BIRT.

## Before you begin

You must have downloaded and extracted the BIRT .zip file.

## Steps

1. From the Eclipse interface, select **File > New > Project**.
2. Expand the **Business Intelligence and Reporting Tools** folder, select **Report Project**, and click **Next**.
3. Type the project name and click **Finish**.

## Creating a new report using BIRT

You can create a new report using the Eclipse plug-in for Business Intelligence and Reporting Tools (BIRT). You might want to create new reports if the existing reports in Unified Manager do not meet the needs of your environment.

## Before you begin

You must have downloaded and extracted BIRT.

You must have created a project using BIRT.

## Steps

1. From the BIRT interface, select **File > New > Report**.
2. In the **New Report** dialog box and select the project folder, which should be the same as the project folder previously created.  
If you select a different project folder, you cannot use the reporting operations in Unified Manager.
3. Type the report file name, and click **Next**.
4. Select the report type and click **Finish**.

## Creating a JDBC data source using BIRT

After you have created the new report using BIRT, you must create a data source to connect the report to Unified Manager.

## Before you begin

You must have created a report using BIRT.

You must have downloaded and installed MySQL Connector/J.

You must have created a database user with the Report Schema role.

## Steps

1. In Eclipse, select **Data Explorer > Data Sources > New Data Source**.

2. Select **Create from a data source type in the following list**.
3. Select **JDBC Data Source**, and then click **Next**.
4. In the **New JDBC Data Source Profile** dialog box, select **com.mysql.jdbc.Driver(v5.1)**.
  - a. If the MySQL driver does not appear, click **Manage Drivers**.
  - b. In the **Manage JDBC Drivers** dialog box, click **Add**.
  - c. Browse to the location where the MySQL Connector/J .jar file was installed, and then select the file.
  - d. Click **OK**.

You should be able to view and select the MySQL driver.

5. Enter the fully qualified host name or the IP address of the Unified Manager instance using appropriate format:

Address Type	Format
IPv4	<code>jdbc:mysql://xx.xx.xx.xx:3306/ocum_report</code>
IPv6	<code>jdbc:mysql://address=(protocol=tcp) (host=xx:xx:xx:xx:xx:xx:xx:xx) (port=3306) /ocum_report</code>

6. Enter the user name for the database user, enter the password, and then click **Finish**.

## Creating a new MySQL data set using BIRT

After creating the data source, you must create a MySQL data set to create the output results for your report. You can also edit the output types after creating the data set.

### Before you begin

You must have created a JDBC data source using BIRT.

You must have downloaded and installed MySQL Connector/J.

You must have created a database user with the Report Schema role in Unified Manager.

### Steps

1. From **Eclipse**, select a workspace.
2. Select **Data Explorer > Data Sets > New Data Set**.
3. In the **New Data Set** dialog box, select the data source previously created, the data set type, and the data set name, and click **Next**.
4. Define an SQL query text using the available items, or manually enter the query, and click **Finish**.
5. Click **Preview Results** to confirm the SQL query, and then click **OK**.
6. In the **Edit Data Set** dialog box, define the output columns as necessary and click **OK**.

7. Drag items into the newly created report.

## After you finish

You should now import the newly created report into Unified Manager.

## Importing reports

If you have created a report outside of Unified Manager, you can import and save the report file to use with Unified Manager.

### Before you begin

You must have the OnCommand Administrator role.

You must ensure that the report you plan to import is supported by Unified Manager.

### Steps

1. In the left navigation pane, click **Reports**, and then click **Import Report**.
2. In the **Import Report** dialog box, click **Browse** and select the file you want to import, and then enter a name and brief description of the report.
3. Click **Import**.

If you cannot import the report, you can check the log file to find the error causing the issue.

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