SuiteCRM Analytics

Report Designer Installation

Revision: **1.1**

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Prerequisites

Make sure you have OpenJDK 8 JRE installed

Downloads

Download the Pentaho Report Designer V8.2 (PRD)

- https://sourceforge.net/projects/suitecrm-analytics/files/1.1/report-designer-1.1.zip
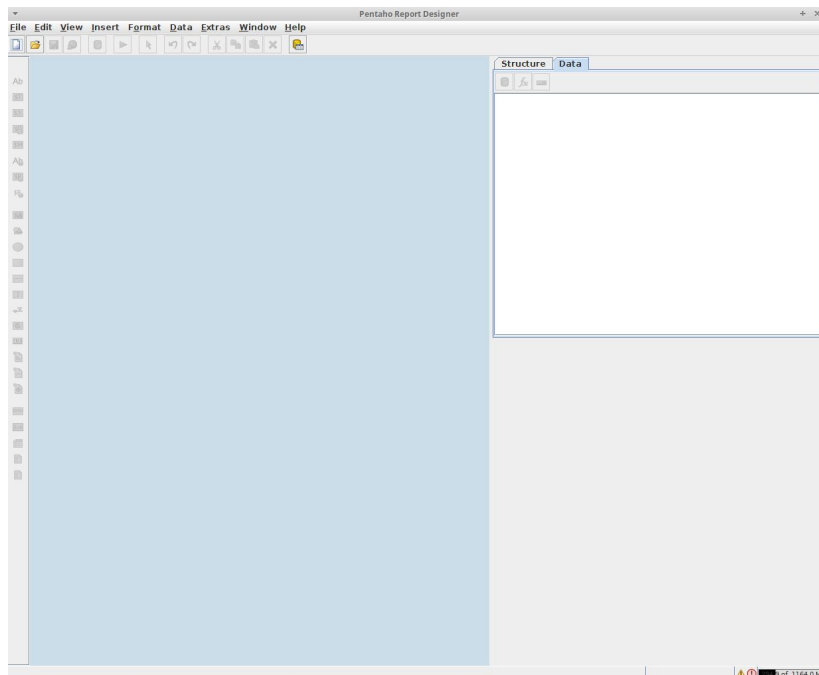
Download the MySQL JDBC Driver V5.x

- https://dev.mysql.com/downloads/connector/j/5.1.html

Installation

The first step is to install the report client tool and make sure it runs correctly

- Unzip the Pentaho Report Designer to a location of your choice
- Start the report designer by executing either the **report-designer.sh** on Linux or **report-designer.bat** on Windows

Configure the SuiteCRM Analytics Connection

The next step is to configure the report designer to make MySQL database connections and then setup a connection to SuiteCRM Analytics so we can run queries. We'll start by adding the MySQL JDBC Driver to pentaho report designer

- Close the Pentaho Report Designer
- Unzip the MySQL JDBC driver zip
- Copy the mysql-connector-java-5.x.jar to
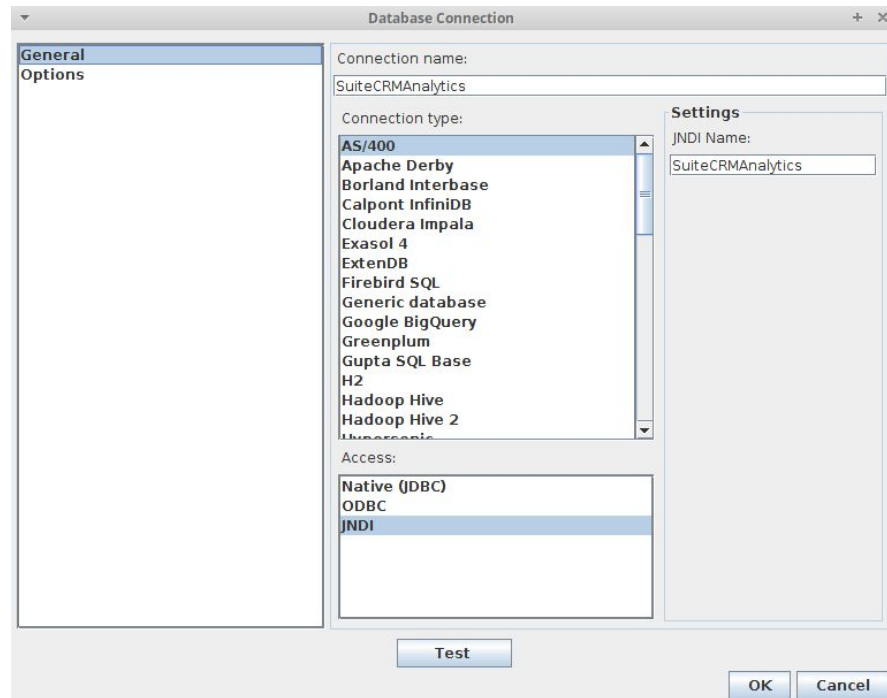   - report-designer/lib/jdbc/ folder

Now Pentaho Report Designer can make MySQL database connections. We will configure the report designer to make connections to SuiteCRM Analytics.

- Navigate to the pentaho report designer simple-jndi directory.
- In Windows this is usually:
    - C:\Users**<YourUsername>**\.pentaho\simple-jndi\
- In Linux this is usually
    - /home/**<YourUsername>**/.pentaho/simple-jndi/
- Create a new text document called jdbc.properties.
- Open this up in a text editor.
- Copy the following
    - SuiteCRMAnalytics/type=javax.sql.DataSource
    - SuiteCRMAnalytics/driver=com.mysql.jdbc.Driver
    - SuiteCRMAnalytics/url=jdbc:mysql://localhost:3306/suitecrm_dwh?useSSL=false
    - SuiteCRMAnalytics/user=root
    - SuiteCRMAnalytics/password=password
- Replace the items highlighted in bold with your own properties
    - Hostname of the SuiteCRM Analytics Database Server
    - Port of the SuiteCRM Analytics Database Server
    - Username of the SuiteCRM Analytics Database Server
    - Password of the SuiteCRM Analytics Database Server
- Save and close the file

We have now created a file that contains the JDBC connection details that point to SuiteCRM Analytics. We can open up Pentaho Report Designer and point to this connection.

- Start the report designer by executing either the report-designer.sh on Linux or report-designer.bat on Windows
- Create a new black report by clicking File > New
- Add a JDBC Datasource by clicking Data > Add Datasource > JDBC
- A JDBC dialog should pop up
- In the top left click the green + icon to add a new connection

- Set the Connection Name to SuiteCRMAnalytics
- Select MySQL from the Connect Type list
- Select JNDI from the Access options
- Set the JNDI Name to SuiteCRMAnalytics
- Test the connection by clicking the Test button

We now have a configured Pentaho Report Designer and we are able to start writing queries and creating reports for SuiteCRM Analytics