SuiteCRM Analytics

Report Designer Installation

Revision: **1.0**

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Prerequisites

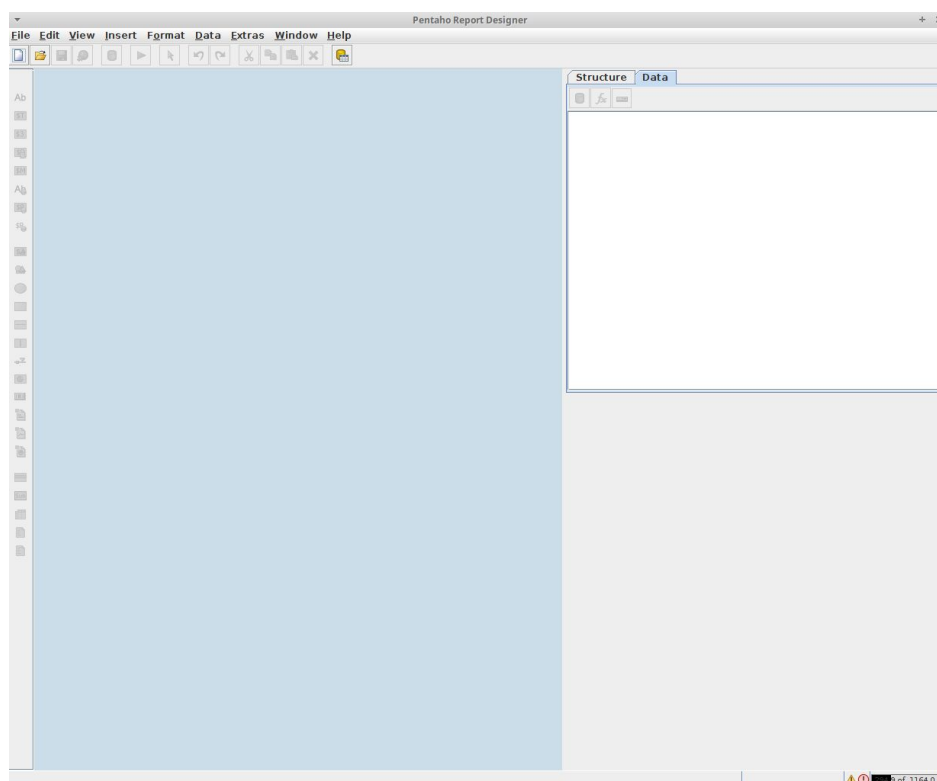Make sure you have OpenJDK 8 JRE installed

Downloads

Download the Pentaho Report Designer V8.2 (PRD)

Download the MySQL JDBC Driver V5.x

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
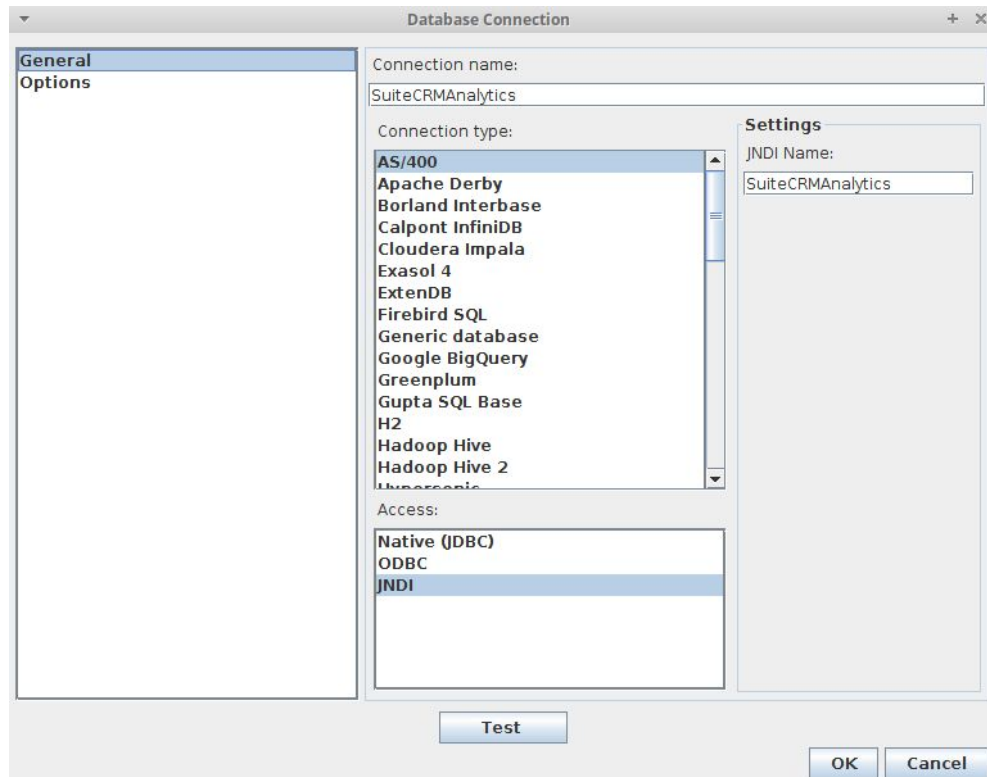 - report-designer/lib/jdbc/ folder

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