Pitney Bowes Software

Connection Manager

User Guide

Spectrum™ Technology Platform

Data Discovery Module

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Global IDs Product Suite® Connection Manager Manual

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Connection Manager

What it includes:

- About Connection Manager Application
- Creating a new connection
- Viewing Database Connections

About Connection Manager Application

The Spectrum™ Technology Platform Data Discover Module can view and process only those relational databases, to which a connection has been created. To perform scanning, profiling, data quality checks, data integration or any other activity on a database using this software, you should first create a connection using the Connection Manager application. The software saves the connection details and settings so that you do not have to manually connect to each database every time you launch the software. However, you can set an expiry date to a connection to make it inaccessible after a specified period, unless you edit your password.

The Connection Manager application enables you to connect to different structured databases across your data landscape. To avoid unauthorized access to your databases you are required to create a manual connection to each database by providing correct credentials. The Data Discover Module assumes the connected databases to be your complete enterprise data structure or data landscape. As a result you can only view and analyze databases to which a connection is made. Users only require a read only privilege on your databases to connect, scan, profile, quality check and integrate data. Changes in your database cannot be done using any action or process from this software.

Creating a Database Connection

In order to discover data in an enterprise landscape you need to add a database instance. This topic will teach you to create a connection with the database instance using the **Connection Manager** application. You can edit or delete it if required.

To create a database connection:

- Right click **Connections** root node in the left hierarchy pane and select **Add Connection** option.
- Provide the following connection information in the **Add Connection** wizard. All fields are mandatory
    - Connection Name
    - System Name/IP
    - Database Instance name
    - Database Type (select from drop-down list)
    - Port (The default port for the specified/selected database type appears automatically. You can change it if required.)
    - Username
    - Password

Click **Next**.

- Provide the following under Database Contact Information
    - Database Administrator's Name
    - Database Owner's Name
    - Data Steward's Name

If the required contact does not appear in the drop-down lists, you can click on the **Add Contact** link to enter the required information. To add a new contact, fill in the details – email, first name, last name and business entity are mandatory. Thereafter you can select the name from the drop-down list.

Click **Next**.

- Enter the following information. All fields are mandatory.
  - Specify the database category – whether it is **Development, Test, QA or Production** database. The software does not know what the database category is. This is important because the software takes a lot of safeguards for Production databases – so that less number of parallel tasks is run on the system and so that the performance of the system does not get affected in any way.
  - Select an existing **Business Entity** from the dropdown. If you wish to add a new entity you can type the name in the required field.
  - Set an expiry date to the password, which means you have to renew your password after that date. Check **Password Never Expires** check box to avoid password expiry.

Click **Finish**.

Viewing Database Connections

You can view existing connections by selecting **Connections** root node from hierarchy pane.

Figure 1: Viewing database connections

By selecting individual connections from the hierarchy pane you can view:

- connection details provided by you while creating the connection and property values fetched by the database driver from the Connection tab

Figure 2: Connection tab

- all schemas in the instance/database connected to along with tables and views they possess from Schema tab.

Figure 3: Schema tab

The created connection can be edited or deleted using the **Edit Connection** and **Delete Entry** options respectively. These options are available if you right-click on the created connection in the hierarchy pane.

NOTE: Connection Manager is one of the main applications in the Networked Databases layer. The software has the ability to generate separate Connection Manager applications for each database type you have connected to using the software. For example, if you have connected to 10 different types of databases using Connection Manager application, a total of 10 Connection Manager applications will be created dynamically, one for each database type. Suppose, you have connected to a *Sybase* database, the software will dynamically generate an application named *Sybase Connection Manager*. These dynamically created applications are visible from the Networked Databases layer in Application Manager.

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