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Connect to Oracle Using Oracle Connection Manager from Informatica Developer

Abstract

You can use Oracle Connection Manager to connect to an Oracle database from Informatica® Developer. This article discusses the tasks that you must perform to configure connectivity to Oracle using Oracle Connection Manager from Informatica Developer.

Supported Versions

- Data Quality 10.4.1

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Overview

You can use Oracle Connection Manager to connect to an Oracle database from Informatica Developer.

Oracle Connection Manager is a network solution that serves as an intermediate server or proxy server that forwards connection requests to the Oracle database servers or to other proxy servers. Oracle Connection Manager offers multiple network solutions, including increased scalability, simplified access control, and improved availability.

This article describes the following tasks that you must perform to configure connectivity to Oracle using Oracle Connection Manager from the Developer Tool:

1. Create a `tnsnames.ora` file in the Informatica Server and Client machines.

2. Configure an Oracle connection with the TNS details to read from or write to Oracle from the Developer tool.

Step 1. Create the tnsnames.ora File

To connect to Oracle using Oracle Connection Manager, you must create a `tnsnames.ora` file with the Oracle Connection Manager details on the Informatica Server and Client machines.

1. Define the net service name entry for the Oracle Connection Manager service. The definition must contain the keyword-value pair SOURCE_ROUTE=YES.

   See the following sample `tnsnames.ora` file with the Oracle Connection Manager service entry:

   ```
   ORCL19C_CMAN =
   (description=
     (address_list=
       (source_route=yes)
       (address=(protocol=tcp)(host=inrh74ocm.mycompany.com)(port=1521))
       (address=(protocol=tcp)(host=inrh74oradb.mycompany.com)(port=1521))
     )
    (connect_data=
       (service_name=ORCL19C.mycompany.com)
     )
   )
   ```

2. Add the `tnsnames.ora` file in the Informatica Client and Informatica Server machines in the following directories:

- Informatica Client: `<Informatica Client Installation Directory>\clients\DeveloperClient`

- Informatica Server: `<Informatica Server Installation Directory>\tomcat\bin`

3. In the Informatica Server machine, set the *TNS_ADMIN* environment variable to the directory where the `tnsnames.ora` is available.

Step 2. Configure an Oracle Connection

Configure an Oracle connection in the Developer tool to access Oracle using Oracle Connection Manager.

1. Open the Developer tool.

2. On the **Windows** tab, select **Preferences**.

3. Select **Informatica Connections**.

4. On the **Connections** window, expand **Databases**, and select **Oracle**.

5. Click **Add**.

6. In the Oracle connection properties, enter the Oracle user name and password.

7. In the metadata access connection string properties, specify the `tnanames.ora` file path and TNS server name in the JDBC URL:

   `jdbc:informatica:oracle:TNSNamesFile=tnsnames.ora;TNSServerName=<TNS name>`

   For example, specify the following connection string property:

   `jdbc:informatica:oracle:TNSNamesFile=tnsnames.ora;TNSServerName=ORCL19C_CMAN`

8. Click **OK**.

Authors

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