informatica Marketplace

Name of Solution:

Python : Create and Test PowerCenter Connections

Business Requirement:

Python Script to create and test the connection for PowerCenter. It is supported on Windows and Linux.

Solution URL:

https://community.informatica.com/solutions/2908

Supported Versions:

PowerCenter 9.5.1 and 9.6.1

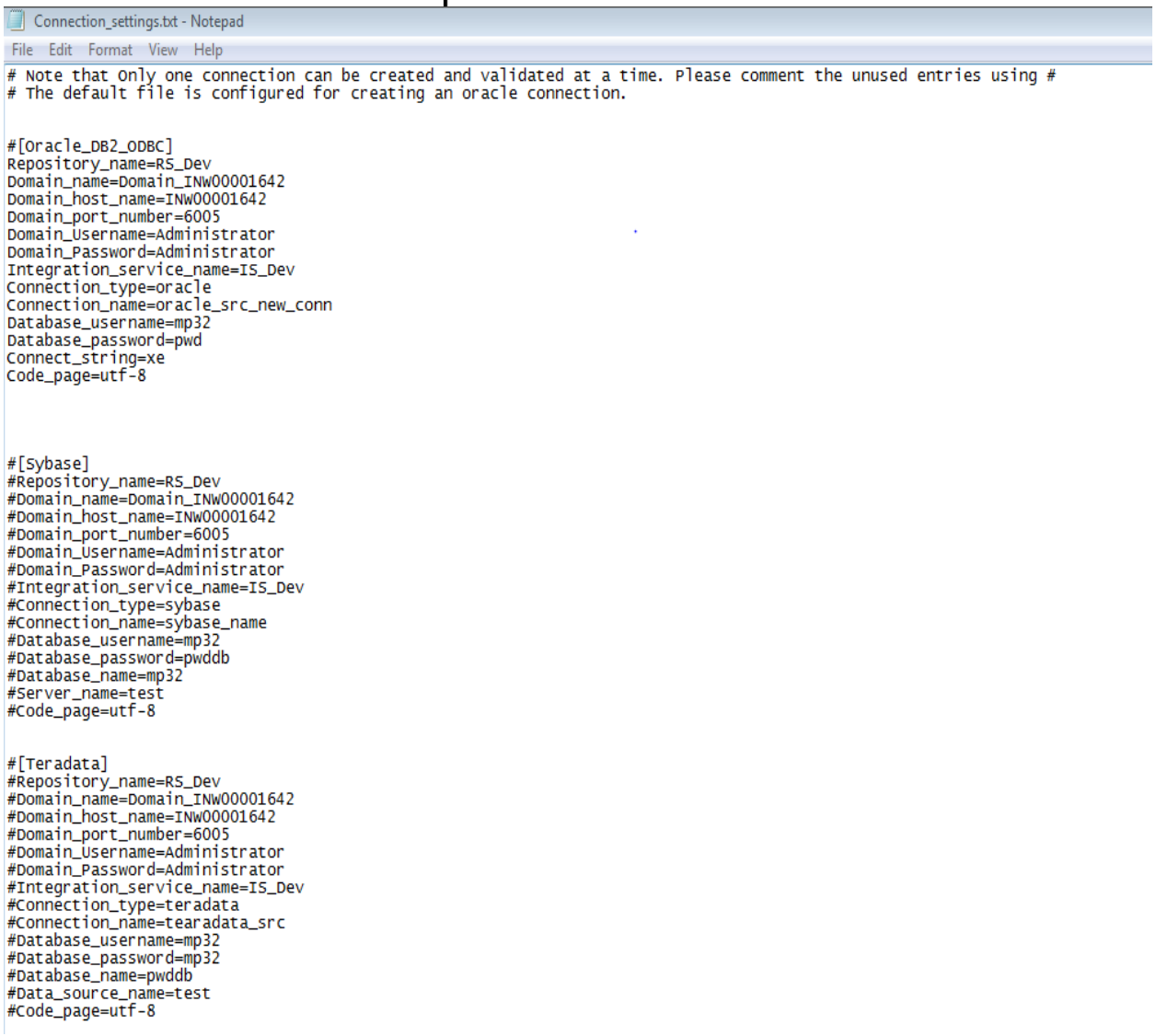
Description:

In PowerCenter, after creating the connection for any relational database, we can not test it immediately. We need to run a session using the connection to confirm that the connection settings are valid. Using this python script we can create a connection for Oracle, Sybase, Teradata database and immediately test it for errors.

Inputs

1. Connection_settings.txt

   The file is used to provide the information about the repository and the connection to be created. Provide the information in the format specified in the file. Only one connection can created and tested per execution. Unused connection types should be commented.



Connection_settings.txt - Notepad

File Edit Format View Help

```
# Note that Only one connection can be created and validated at a time. Please comment the unused entries using #
# The default file is configured for creating an oracle connection.


#[Oracle_DB2_ODBC]
Repository_name=RS_Dev
Domain_name=Domain_INW00001642
Domain_host_name=INW00001642
Domain_port_number=6005
Domain_Username=Administrator
Domain_Password=Administrator
Integration_service_name=IS_Dev
Connection_type=oracle
Connection_name=oracle_src_new_conn
Database_username=mp32
Database_password=pwd
Connect_string=xe
Code_page=utf-8



#[Sybase]
#Repository_name=RS_Dev
#Domain_name=Domain_INW00001642
#Domain_host_name=INW00001642
#Domain_port_number=6005
#Domain_Username=Administrator
#Domain_Password=Administrator
#Integration_service_name=IS_Dev
#Connection_type=sybase
#Connection_name=sybase_name
#Database_username=mp32
#Database_password=pwddb
#Database_name=mp32
#Server_name=test
#Code_page=utf-8


#[Teradata]
#Repository_name=RS_Dev
#Domain_name=Domain_INW00001642
#Domain_host_name=INW00001642
#Domain_port_number=6005
#Domain_Username=Administrator
#Domain_Password=Administrator
#Integration_service_name=IS_Dev
#Connection_type=teradata
#Connection_name=tearadata_src
#Database_username=mp32
#Database_password=mp32
#Database_name=pwddb
#Data_source_name=test
#Code_page=utf-8
```

2. Evn_settings.txt

There are two variables need to be set in this file.

- INFA_HOME: Path of the PowerCenter server/client installation.

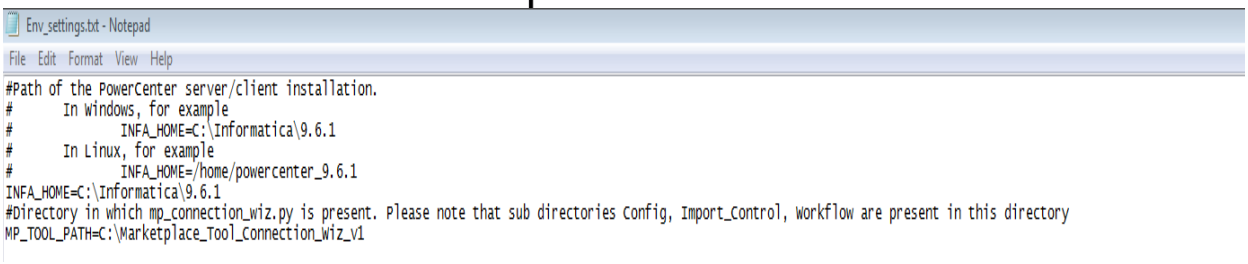
  In Windows

  INFA_HOME=C:\Informatica\9.6.1

  In Linux

  INFA_HOME=/home/powercenter_9. 6.1

- MP_TOOL_PATH : Directory in which mp_connection_wiz.py is present. Please note that subdirectories Config, Import_Control, Workflow are present in this directory.



Running the script

In Windows

py mp_connection_wiz.Py

In Unix

python mp_connection_wiz.py

Output

1. The script will create the connection and display the success or failure message.
2. The script will run the test workflow and display the success or failure status of the workflow.

How it works?

The script is packaged with a PowerCenter workflow XML which is imported into the repository automatically in the folder Marketplace_tool_python_connection_wiz_v1. This workflow will be run with the connection just created to test the connection and display the result. The workflow XML will be imported automatically the first time the script is used against a repository and the imported workflow will be used subsequently.

Prerequisites / System Requirement:

Python 2.7.6

Download file contents:

1. Config File

   Contains the <Connection_settings.txt > and <Env_settings.txt> which needs to be configured by the users

2. Import_Control File

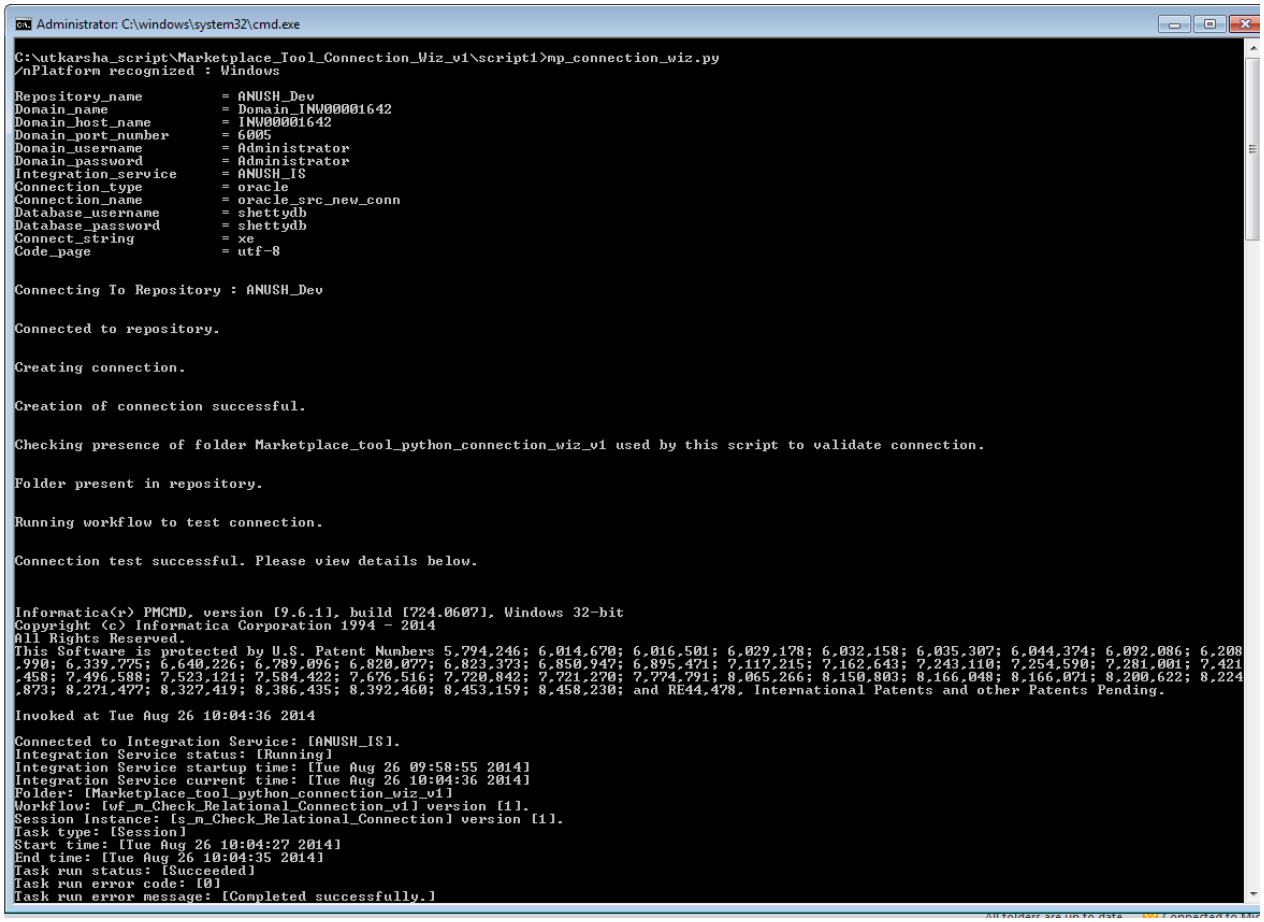
   No configuration necessary . Contains control files needed for importing the workflow file.

3. ReadMe.docx
4. Workflow :
5. Script

Steps to implement the solution:

1. Provide appropriate details in the Connection_settings.txt file to create the connection to particular databases. Only one connection can be created per run. Unused connections should be commented.
2. Need to set path for two variables in the Env_settings.txt file
3. Since this script can run in both Windows and Linux environment setting of path for the variable in the Env_settings.txt file varies from platform.
4. Depending upon the which platform you're running the script, use the appropriate command to run the script.

   In Windows



5. Execute the script and observe the output.

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