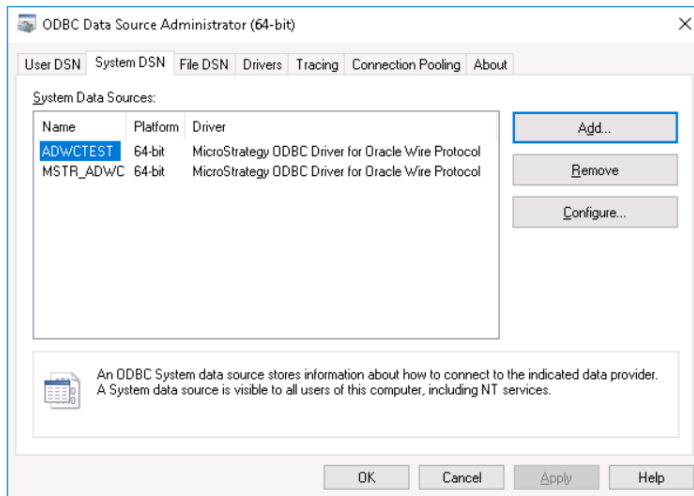


Certification Matrix	Version
MicroStrategy	Edition: MicroStrategy Secure Enterprise MicroStrategy Desktop MicroStrategy Workstation Version: Feature release 10.11, Platform release 10.4
OCI Driver	Oracle Instant Client/Client version 12.1.0.2 and higher

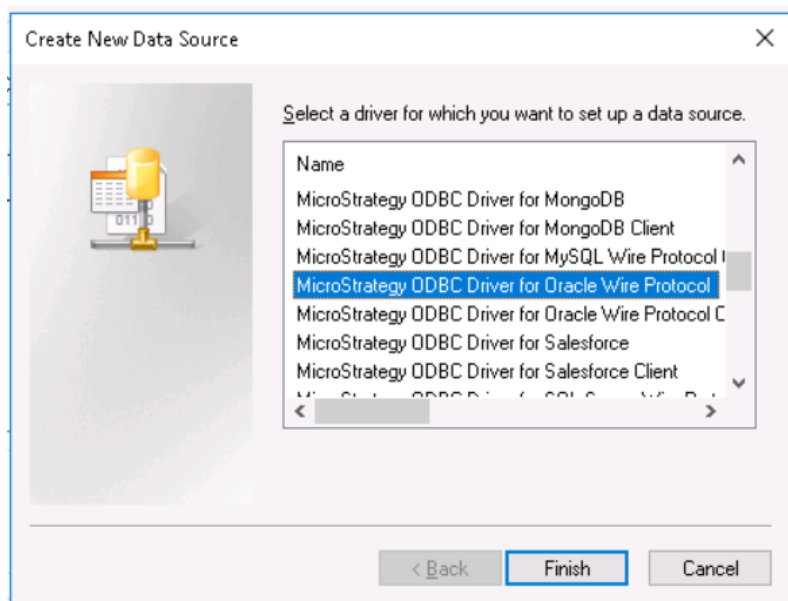
1. This document assumes that the Autonomous Data Warehouse has been provisioned and the corresponding wallet zip file has been downloaded to the system that has the Oracle Instant Client or the Oracle Client is installed that will be used to create a TNS names based system OCI connection to the service. For the Oracle documentation to provision ADWC please check [here](#).
2. The current feature release of MicroStrategy (version 10.11 and earlier) and platform release (10.4 hotfix 7 and earlier) do not have native capability to create a DSN-less connection to ADWC yet. Also, the driver version of MicroStrategy ODBC driver is not capable of connecting to ADWC, yet. The upcoming platform release hotfix and feature release will add support in a short time. Currently the only way you can connect MicroStrategy to ADWC is via a DSN connection that relies on an Oracle home.
3. ADWC is a secured service and therefore encryption of Network Traffic is required by default. MicroStrategy Desktop relies on Oracle Instant Client or an Oracle Client for that purpose. Instructions on how to install and configure Oracle Client is available [here](#).
4. After configuring the Oracle Client, follow the instructions on how to prepare the OCI client for to connect to ADWC service. Please refer to the [Preparing for OCI, ODBC, JDBC OCI Connections section](#) of the ADWC documentation.
5. Unzip your credentials file in the TNS\_ADMIN directory.
6. Create the ODBC DSN using the MicroStrategy Oracle Direct Wire driver.
7. You are now ready to create a DSN based connection to Oracle Autonomous Data Warehouse.

Below is a pictorial example for your reference. MSFT 64 bit Windows OS has been used for the example below.

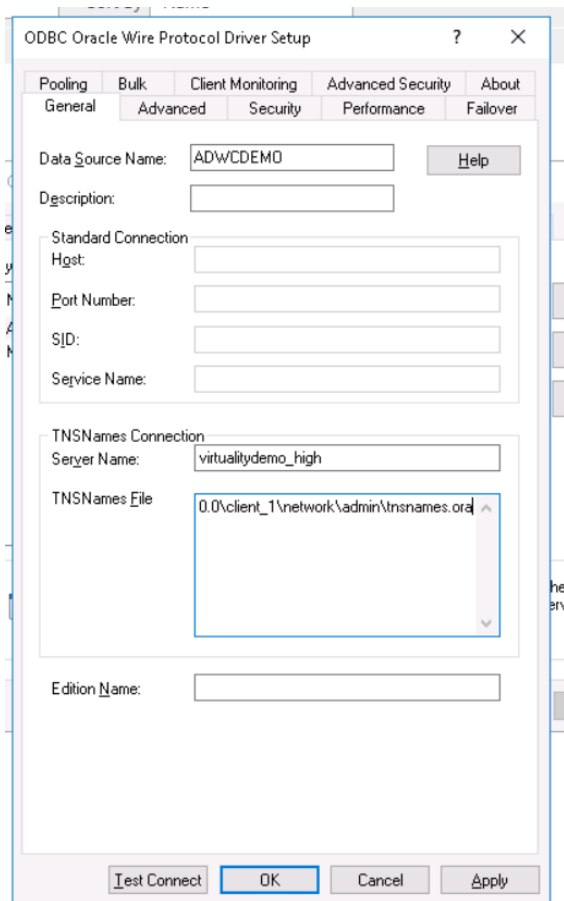
1. After the Oracle Client has been installed and configured for use with ADWC, create the system DSN using the ODBC Data Source Administrator (64-bit)



2. Click on Add to configure a new system DSN under the System DSN tab. Locate the MicroStrategy ODBC Driver for Oracle Wire Protocol from the list of all drivers and press finish.



3. In the form, fill in the Data Source Name, your TNS service name (this can be found in the tnsnames.ora file in TNS\_ADMIN location) and complete path to the tnsnames.ora (%TNS\_ADMIN%\tnsnames.ora)



- Next click on the Security tab and choose Encryption Method to be 1-SSL in the Encryption section. Also supply the path and name of the wallet to be used. Data Direct prefers the ewallet.p12 wallet file. The path should be `<wallet_directory>\cwallet.sso`. Supply this information for both the Trust Store as well as the Key Store sections. The password to be supplied here is *the KeyStore/TrustStore password*. You may optionally supply the Database username in the Authentication section.

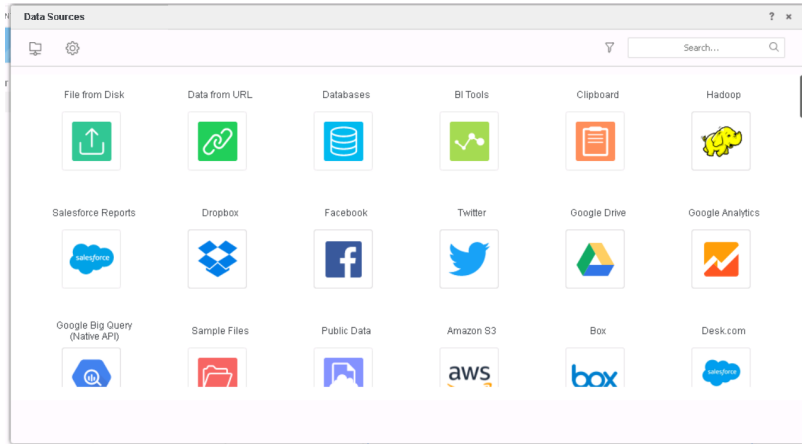
The screenshot shows the 'ODBC Oracle Wire Protocol Driver Setup' dialog box with the 'Security' tab selected. The 'Authentication' section has 'User Name' set to 'admin' and 'Authentication Method' set to '1 - Encrypt Password'. The 'Encryption' section has 'Encryption Method' set to '1 - SSL'. Under 'Crypto Protocol Version', 'TLSv1.2', 'TLSv1.1', and 'TLSv1' are checked, while 'SSLv3' and 'SSLv2' are unchecked. The 'Validate Server Certificate' checkbox is checked. The 'Trust Store' and 'Key Store' fields are both set to 'ent\_1\network\admin\cwallet.sso'. The 'Trust Store Password' and 'Key Store Password' fields are masked with dots. The 'Host Name In Certificate' field is empty. At the bottom, there are buttons for 'Test Connect', 'OK', 'Cancel', and 'Apply'.

5. Test your connection by pressing the Test Connect button. Supply the database username and password to test the connection

The screenshot shows a dialog box titled "Logon to Oracle Wire Protocol". It contains two main sections for connection configuration. The "Standard Connection" section includes input fields for "Host", "Port Number", "SID", and "Service Name", with "OK", "Cancel", and "Help" buttons to the right. The "TNSNames Connection" section includes input fields for "Server Name" (containing "virtualitydemo\_high"), "User Name" (containing "admin"), and "Password" (containing 12 dots).

6. You are now ready to use this system DSN for MicroStrategy connection with ADWC. Create a new Dossier and Click on the New Data button under the Datasets section. Select Databases from the Data Sources section.

# Creating a connection from MicroStrategy to Oracle Autonomous Data Warehouse



7. Use the DSN Data Sources in the Data Source section. Locate the DSN that you just created from the DSN pulldown. Use the Oracle 18c in the Version pulldown. Provide the username and the password to the ADWC service.

**Data Source**

DSN-less Data Sources  DSN Data Sources

DSN:

Version:

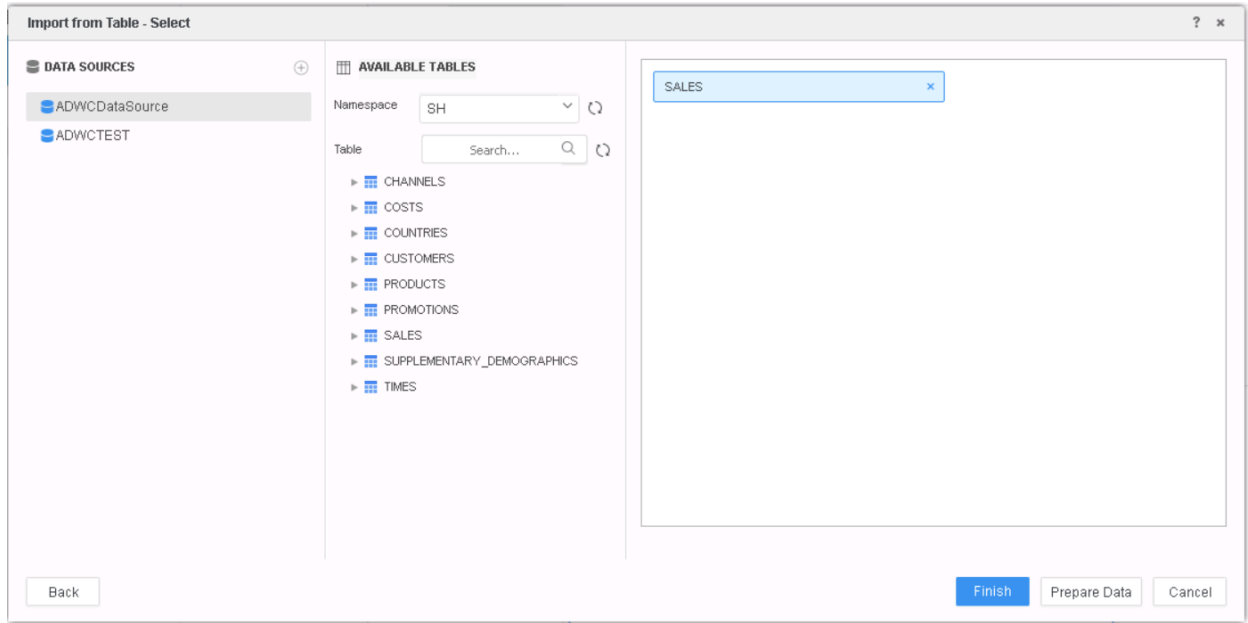
Show databases which are not certified for the DSN's driver.

User:

Password:

Data Source Name:

8. Click on the Data Source that you just created and select the schema and the tables you need for your Dossier and press finish.



You have successfully connected MicroStrategy to ADWC!