

Deltek

Deltek Costpoint Cloud

Hybrid Data Pipeline (HDP) and ODBC
Driver Update Guide

October 15, 2021

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ODBC Overview

Read-only ODBC access to your Costpoint Cloud database is provided by the Hybrid Data Pipeline ODBC client driver. Upgrading the driver is a simple two-step process:

- **Step One:** Install the ODBC Client
- **Step Two:** Configure the ODBC Client

Step One: Install Windows ODBC Client Driver

Download Hybrid Data Pipeline Windows ODBC Client Driver

To download the driver, navigate to <https://dsm.delttek.com/DFVE/ODBC/HDPDriver.zip>.

The downloaded zip includes the following files:

- config.properties
- ddcloud.pem
- ddcloudTrustStore.jks
- OnPremise.properties
- PROGRESS_DATADIRECT_HDP_ODBC_WIN_64.exe

Install the Hybrid Data Pipeline ODBC Client

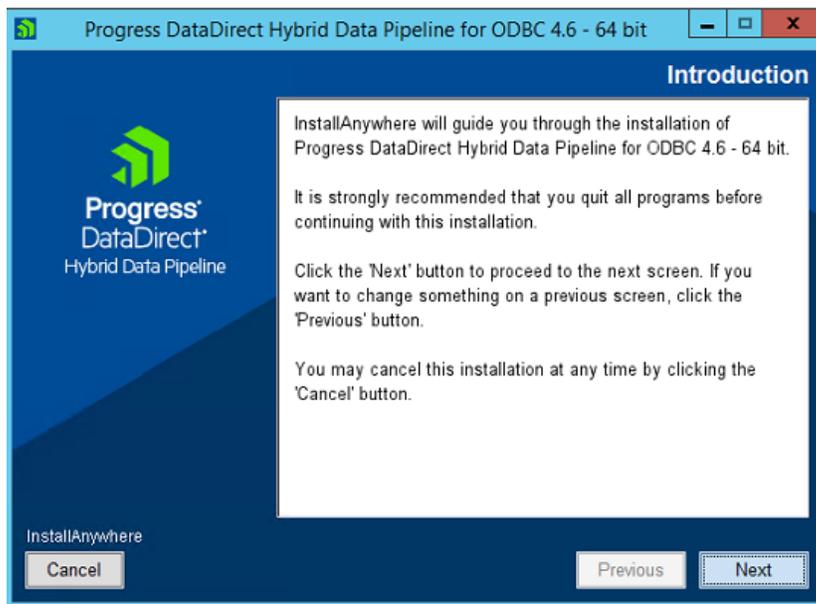
IMPORTANT: You must have administrator rights on your computer to perform the installation.

To install the client:

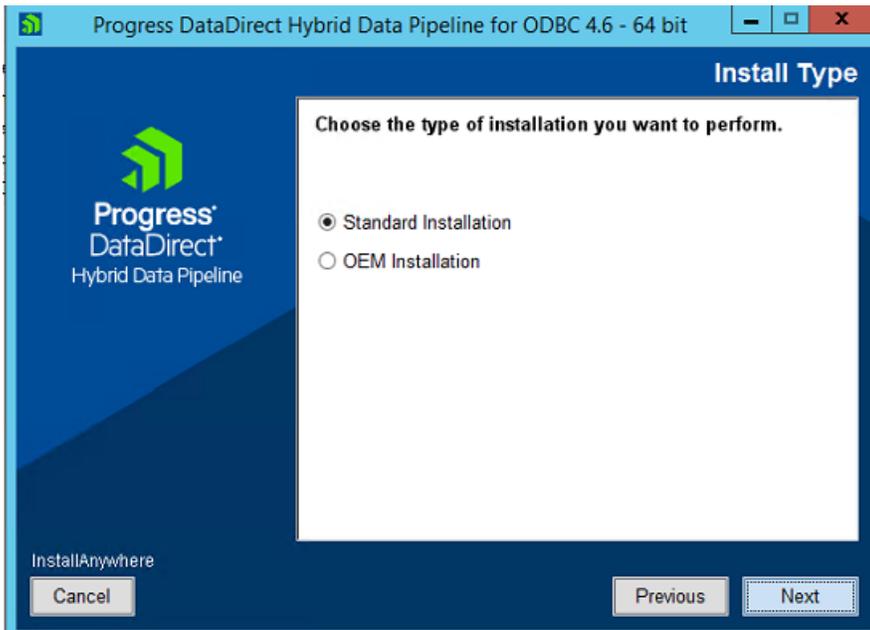
1. Right-click the installer file PROGRESS_DATADIRECT_HDP_ODBC_WIN_64.exe and click **Run as Administrator** on the shortcut menu.

Installation requires administrative rights on the workstation.

2. When the Introduction page of the installation wizard displays, click **Next**.

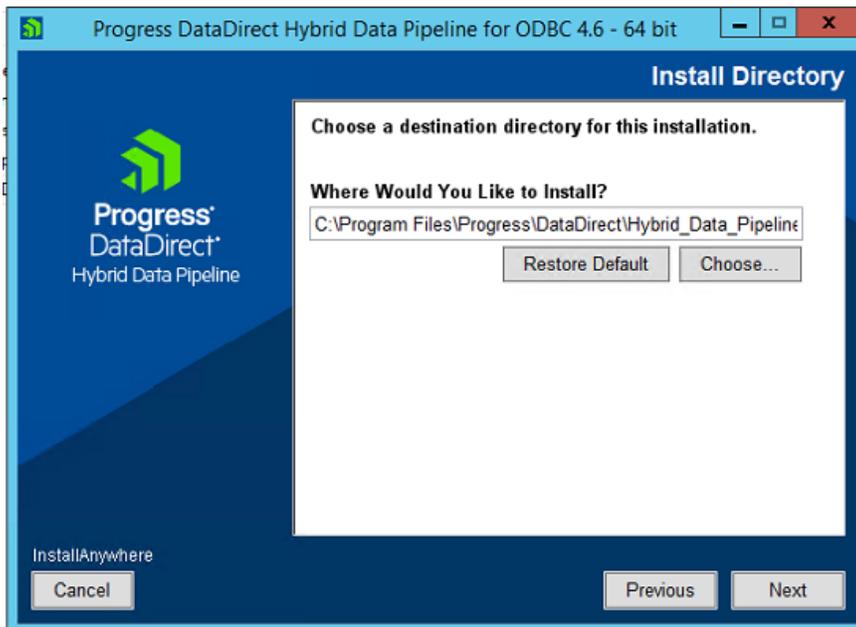


- On the Install Type page, accept the default selection of **Standard Installation**, and click **Next**.



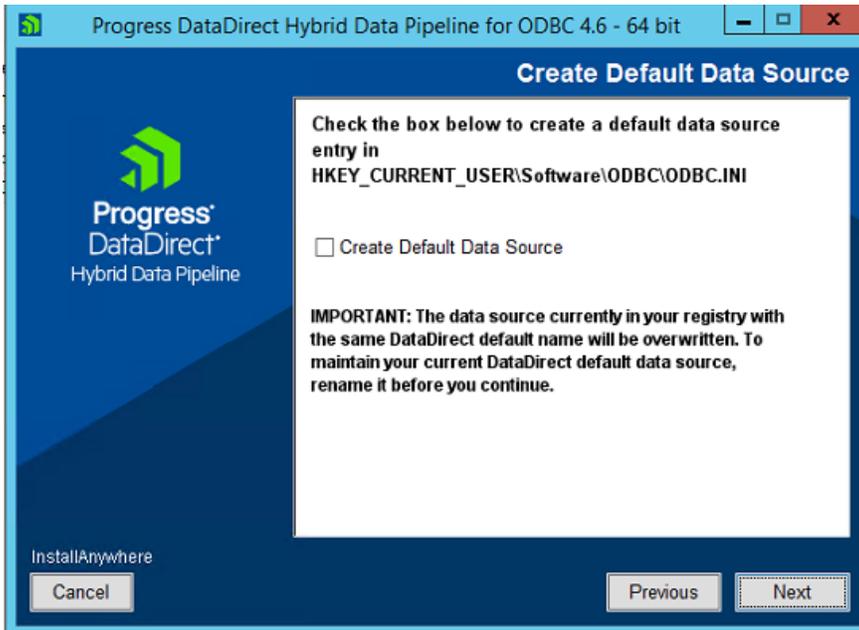
- On the Install Directory page, accept the default installation path or select your own, and click **Next**.

Note: Deltek recommends accepting the default installation location. DO NOT use path from the old version, which was *C:\Program Files\Progress\DataDirect\Hybrid_Data_Pipeline_for_ODBC*.



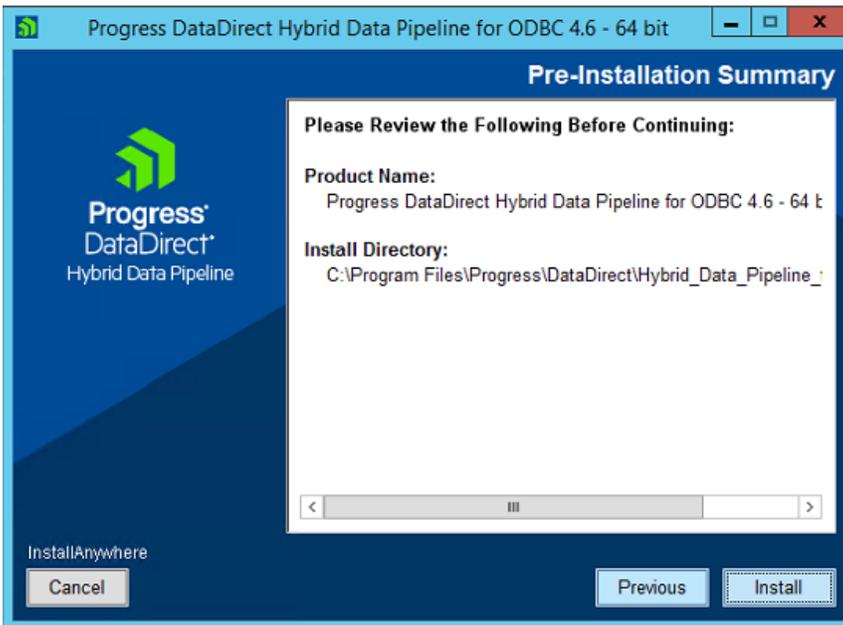
- On the Create Default Data Source page, ensure the **Created Default Data Source** check box is not selected, and click **Next**.

The default option is **NOT** to create a default data source.

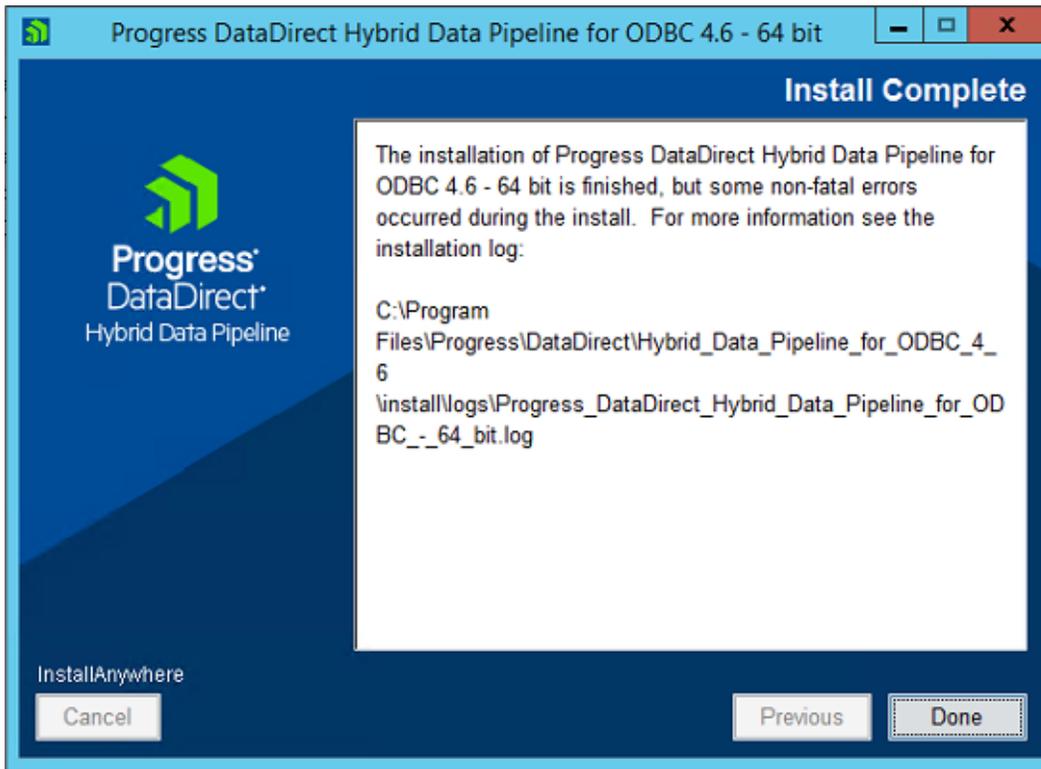


6. On the Pre-Installation Summary page, confirm that all the information is correct, and click **Install**.

Note: If any of the information is incorrect, click **Previous** to fix.



7. After the installation is complete, click **Done**.



Step One: Install Linux ODBC Client Driver

The following Linux operating systems are supported:

- CentOS Linux 4.x, 5.x, 6.x, and 7.x
- Debian Linux 7.11, 8.5
- Oracle Linux 4.x, 5.x, 6.x, and 7.x
- Red Hat Enterprise Linux 4.x, 5.x, 6.x, and 7.x
- SUSE Linux Enterprise Server 10.x, 11.x, and 12.x
- Ubuntu Linux 14.04, 16.04

Download Hybrid Data Pipeline Linux ODBC Client Driver

To download the driver, navigate to <https://dsm.deltek.com/DFVE/ODBC/HDPLinuxDriver.zip>.

The downloaded zip includes the following files:

- config.properties
- ddcloud.pem
- ddcloudTrustStore.jks
- OnPremise.properties
- PROGRESS_DATADIRECT_HDP_ODBC_<VERSION>_LINUX_64.bin

Install the Hybrid Data Pipeline Linux ODBC client:

To install the client:

1. Execute the installer corresponding to the correct architecture.
2. Make the **PROGRESS_DATADIRECT_HDP_ODBC_LINUX_64.bin** file executable.

Execute: `chmod +x PROGRESS_DATADIRECT_HDP_ODBC_LINUX_64.bin`

3. Run the installer from the command-line prompt.

Note: You should be in the temp directory where the executable file is located.

Execute: `./PROGRESS_DATADIRECT_HDP_ODBC_LINUX_64.bin`

- a. Press **ENTER** to continue.
- b. Select **1** for the standard Installation.
- c. Copy the default folder and add the version number at the end.

For example:

`/home/<user>/Progress/DataDirect/Hybrid_Data_Pipeline_for_ODBC_4_6`

Note: <user> is the logon username.

- d. Type **Y** to accept the new Install folder directory.
- e. Press **ENTER** to continue.

You will see the Congratulations Message if the installation is successful.

```
=====
Installation Complete
-----

Congratulations! Progress DataDirect Hybrid Data Pipeline for ODBC 4.6 - 64
bit has been successfully installed to:
```

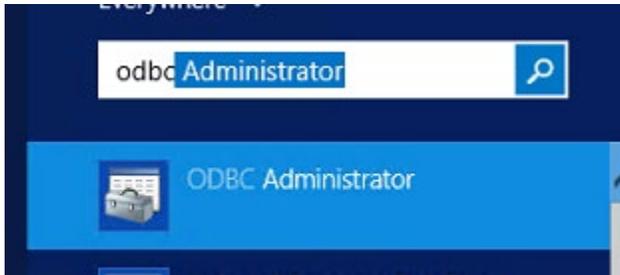
- f. Press **ENTER** to exit the installer.

Step Two: Configure ODBC Client for Windows

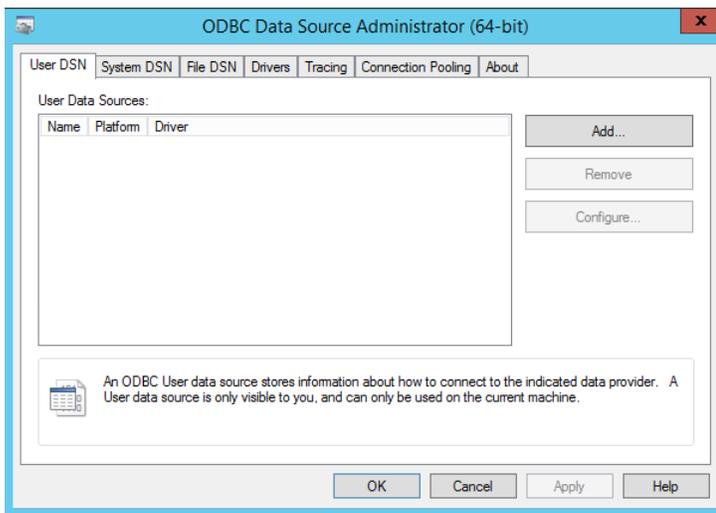
Configure the ODBC Client for Windows

To configure the ODBC client:

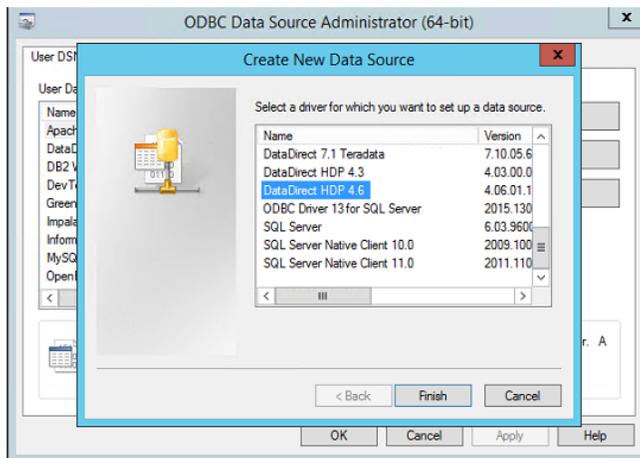
1. Run ODBC Administrator from your Windows machine.



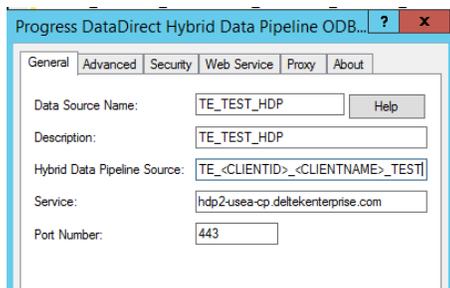
2. Open the ODBC Data Sources Administrator application in Windows, and click **Add** on the appropriate DSN tab.
3. Select the appropriate DSN tab:
 - **User DSN:** Access to this DSN will only be available to the current logged on user (for example, logged onto Windows and using Excel).
 - **System DSN:** Access to this DSN will be available to any user that is allowed to authenticate to the Windows machine (for example, the service account used to run a data warehouse application).



- When the Create New Data Source dialog box displays, select **DataDirect HDP 4.6** from the list of available drivers, and click **Finish**.

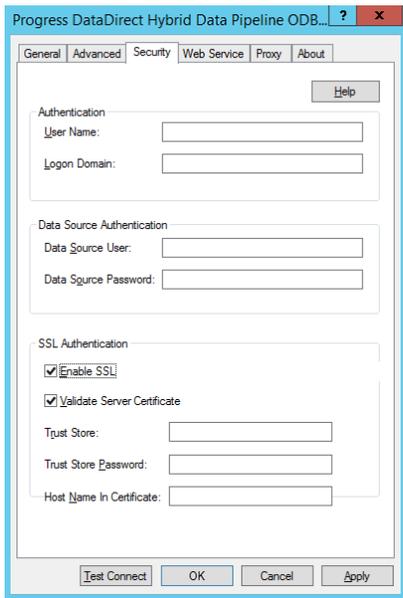


- On the General tab of the Progress DataDirect Hybrid Data Pipeline ODBC dialog box, provide the following information.
 - Data Source Name:** You can enter any name using alpha and numeric characters. Do not use special characters, such as ampersand or percent.
 - Description:** You can enter any name using alpha and numeric characters. Do not use special characters, such as ampersand or percent.
 - Hybrid Data Pipeline Source:** Use the information provided to you in your original service request ticket for ODBC setup.
 - Service:** Enter **hdp-usea-cp.deltekenterprise.com**.
For US-only Customers, use **hdp2-usea-cp.deltekenterprise.com**.
 - Port Number:** Enter **443**.



ODBC Update Process

- Click the Security tab, and select the **Enable SSL** check box in the **SSL Authentication** section.

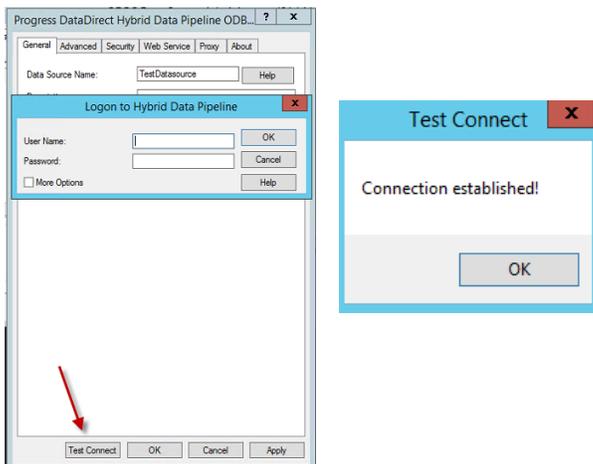


IMPORTANT: You will need to follow the above procedure for each database to which you connect.

For example:

- CPTRAN_<CLIENTID>_<CLIENTNAME>_DEV
- TE_<CLIENTID>_<CLIENTNAME>_DEV)

- Test the connection by clicking **Test Connect**, entering your current username and password, and clicking **OK**.



- Click **Apply** to save the configuration.

You can now use the configured ODBC driver to connect to the databases.

Step Two: Configure ODBC Client for Linux

Configure the ODBC Client for Linux

To configure the ODBC client:

1. Go to /home/<user>/Progress/DataDirect/Hybrid_Data_Pipeline_for_ODBC_4_6.

Execute: `cd /home/<user>/Progress/DataDirect/Hybrid_Data_Pipeline_for_ODBC_4_6`

2. Edit the odbc.ini file, and add the following:

[ExampleDSN]

Driver=/home/<user>/Progress/DataDirect/Hybrid_Data_Pipeline_for_ODBC/1
ib/ddhybrid01.so

Description=DataDirect HDP 4.6

Service=<TBD>

HybridDataPipelineDataSource=<TBD>

LogonID=

ClientTimeZone=

DataSourceUser=

DataSourcePassword=

ProxyHost=

ProxyPort=

ProxyUser=

ProxyPassword=

TransactionMode=0

WSRetryCount=3

WSTimeout=120

LogonDomain=

LoginTimeout=30

QueryTimeout=0

ApplicationUsingThreads=1

ReportCodepageConversionErrors=0

EnableWCharSupport=1

DefaultlongDataBufLen=

MaxVarcharSize=

ExtendedOptions=

VarcharThreshold=

MinLongVarcharSize=

ODBC Update Process

```
Password=  
EncryptionMethod=1  
ValidateServerCertificate=1  
TrustStore=  
TrustStorePassword=  
HostNameInCertificate=  
PortNumber=443
```

Where

- **Hybrid Data Pipeline Source** is the Datasource Name in HDP.
 - **Service** is the HDP URL Endpoint.
3. Run the appropriate product setup script.
 - For Bourne, Korn, and related shells, execute the following command:

```
../odbc.sh
```
 - For C shell and related shells, execute the following command:

```
source ./odbc.csh
```
 4. Go to the samples/example directory.

Execute: `cd`

`/home/<user>/Progress/DataDirect/Hybrid_Data_Pipeline_for_ODBC/samples/example`

5. Execute the following:

Execute: `./example`

- Enter the data source name: **ExampleDSN**.
- Enter username.
- Enter password.

If successful, you will be able to type SQL Statements.

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