Configuration Setup Utility

Set up existing configuration

Do you want to set up your openPDC with an existing configuration?

(•) I want to set up a new configuration.

( ) I want to use an existing configuration.

[Cancel]   [< Back]   [Next >]

Configuration Setup Utility

Select configuration type

Please select the type of configuration to be set up.

- ◉ Database (suggested)
- ○ XML
- ○ Web service

XML and Web service configuration types are only available for the openPDC. The openPDC Manager requires a database for operation.

[Cancel] [< Back] [Next >]

Configuration Setup Utility

Set up a database

Please select the type of database you would like to have set up.

- ( ) SQL Server   (•) MySQL   ( ) Oracle
- ( ) SQLite   ( ) PostgreSQL

- [✓] Run initial data script
- [✓] Run sample data script
- [ ] Run audit log trigger scripts

Creating a new database for SQL Server or MySQL requires that the database system be installed locally. If you want to create a database on a remote system, use the SQL scripts located in the "Database scripts" folder where this application is installed and execute the desired scripts on the remote database system.

If necessary, you can go back and select:
"I want to use an existing configuration."

[Cancel]   [< Back]   [Next >]

Set up a MySQL database

Please enter the needed information about the
MySQL database you would like to create.

Host name: `localhost`

Database name: `openPDC`

Admin user name: `root`

Admin password: `•••••••`

Test Connection

☐ Create new database user

User name:

Password:

Advanced...   Cancel   < Back   Next >

Configuration Setup Utility

Apply configuration changes

Apply configuration changes to:

- ☑ openPDC Windows service
- ☑ openPDC Manager (local application)
- ☐ openPDC Manager (web application)

- ☑ Setup / change primary historian

| Cancel | < Back | Next > |

Configuration Setup Utility ✕
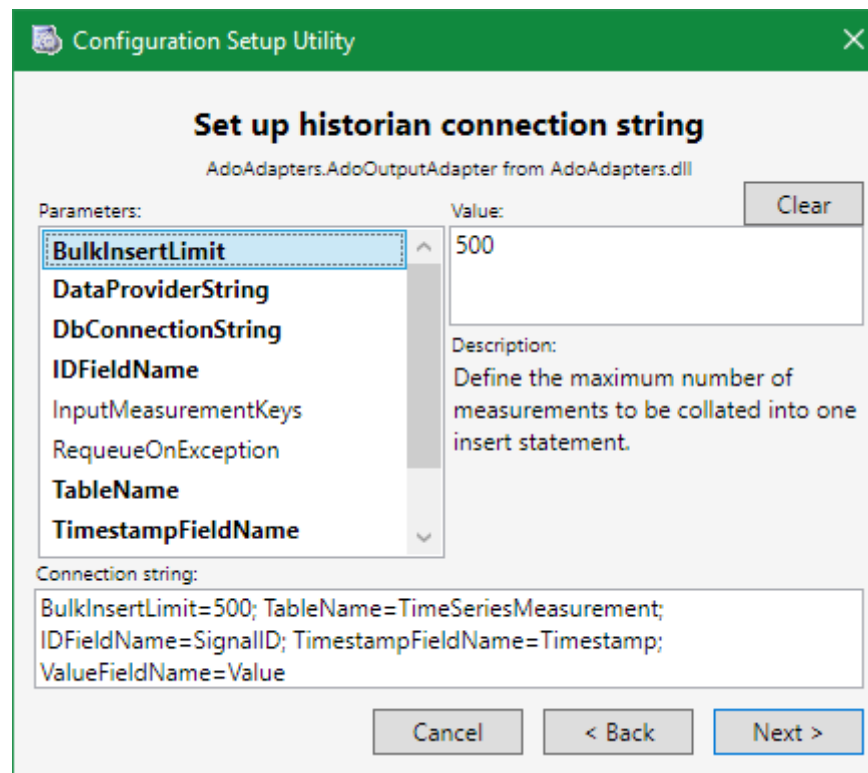
Set up primary historian

Please select an initial historian adapter type. Additional historians can be defined later from within the openPDC Manager.

ADO: Archives measurements to an ADO data source
Archivist: Archives measurements to a an archivist/openArchiveMediator inst
CSV Export: Exports data to a rolling CSV archive
CSV: Archives measurements to a CSV file
eDNA: Archives measurements to an eDNA server
Local Historian: archives measurements to a local in-process openHistorian.

AdoAdapters.AdoOutputAdapter from AdoAdapters.dll

Acronym: PPA

Name: Primary Phasor Archive

Description: Primary historical archive for phasor data.

Cancel   < Back   Next >

Set up historian connection string

AdoAdapters.AdoOutputAdapter from AdoAdapters.dll

Parameters:
- **BulkInsertLimit**
- **DataProviderString**
- **DbConnectionString**
- **IDFieldName**
- InputMeasurementKeys
- RequeueOnException
- **TableName**
- **TimestampFieldName**

Value:
500

Description:
Define the maximum number of measurements to be collated into one insert statement.

Connection string:
BulkInsertLimit=500; TableName=TimeSeriesMeasurement; IDFieldName=SignalID; TimestampFieldName=Timestamp; ValueFieldName=Value

DbConnectionString={Allow User Variables=true; Server=localhost; Database=openPDC; Uid=root; Password=*******};
DataProviderString={
        AssemblyName={MySql.Data, Version=6.7.4.0, Culture=neutral, PublicKeyToken=c5687fc88969c44d};
        ConnectionType=MySql.Data.MySqlClient.MySqlConnection;
        AdapterType=MySql.Data.MySqlClient.MySqlDataAdapter };
BulkInsertLimit=500;
TableName=TimeSeriesMeasurement;
IDFieldName=SignalID;
TimestampFieldName=Timestamp;
ValueFieldName=Value

```
C:\WINDOWS\system32\cmd.exe - mysql  -uroot -p

Microsoft Windows [Version 10.0.17134.48]
(c) 2018 Microsoft Corporation. All rights reserved.


C:\Users\swills>mysql -uroot -p
Enter password: *******
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 5.7.11 MySQL Community Server (GPL)


Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.


Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.


Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.


mysql> USE openPDC
Database changed
mysql> CREATE TABLE TimeSeriesMeasurement(
    ->     ID INT AUTO_INCREMENT NOT NULL PRIMARY KEY,
    ->     SignalID NCHAR(36) NOT NULL,
    ->     Timestamp VARCHAR(24) NOT NULL,
    ->     Value DOUBLE NOT NULL
    -> );
Query OK, 0 rows affected (0.17 sec)


mysql>
```

```
C:\WINDOWS\system32\cmd.exe - mysql  -uroot -p

mysql> SELECT * FROM TimeSeriesMeasurement LIMIT 14;
+----+--------------------------------------+------------------------------+----------------------+
| ID | SignalID                             | Timestamp                    | Value                |
+----+--------------------------------------+------------------------------+----------------------+
|  1 | 7aaf0a8f-3a4f-4c43-ab43-ed9d1e64a255 | 16-May-2018 15:24:38.866     |                 8228 |
|  2 | 25355a7b-2a9d-4ef2-99ba-4dd791461379 | 16-May-2018 15:24:38.866     |    107.792880699966679 |
|  3 | 069c5e29-f78a-46f6-9dff-c92cb4f69371 | 16-May-2018 15:24:38.866     |      299353.6249519101 |
|  4 | 96cb33be-f7e4-4dfe-a20a-50976aa507fd | 16-May-2018 15:24:38.866     |       107.8206609173862 |
|  5 | ee130f0f-8c94-414f-b081-9551ffb73753 | 16-May-2018 15:24:38.866     |      298337.8098460068 |
|  6 | 70e72607-dbbc-458b-9c66-5fd32b447a03 | 16-May-2018 15:24:38.866     |    -79.73289778105276 |
|  7 | 34172112-0565-4ad7-b314-f0876d978751 | 16-May-2018 15:24:38.866     |     248.609912379063345 |
|  8 | c635e906-8bfb-486d-901e-46c8e07afdc3 | 16-May-2018 15:24:38.866     |     109.20586618350612 |
|  9 | 28bbb1fc-3434-48d3-87a8-bf5024c089d5 | 16-May-2018 15:24:38.866     |      529.333369012594 |
| 10 | bcd7aa41-32f1-4d3c-96d5-9e1da2c9469e | 16-May-2018 15:24:38.866     |     57.61932229343077 |
| 11 | ed6def67-54c4-4e74-af95-c95fa6915fbc | 16-May-2018 15:24:38.866     |    213.34736508036093 |
| 12 | 93673c68-d59d-4926-b7e9-e7678f9f66b4 | 16-May-2018 15:24:38.866     |                59.967 |
| 13 | 3647f729-d0ed-4f79-85ad-dae2149cd432 | 16-May-2018 15:24:38.866     |                 -0.61 |
| 14 | 65ac9cf6-ae33-4ece-91b6-bb79343855d5 | 16-May-2018 15:24:38.866     |                    0 |
+----+--------------------------------------+------------------------------+----------------------+
14 rows in set (0.00 sec)

mysql>
```