DataLogger Plug-In for KEPServerEX®

The DataLogger Plug-In for KEPServerEX has the ability to pull any data being gathered by the server and log it to an ODBC-compliant database (such as SQL, Oracle, and Microsoft (MS) Access).

The many applications for which DataLogger is useful are shown in the diagram below.
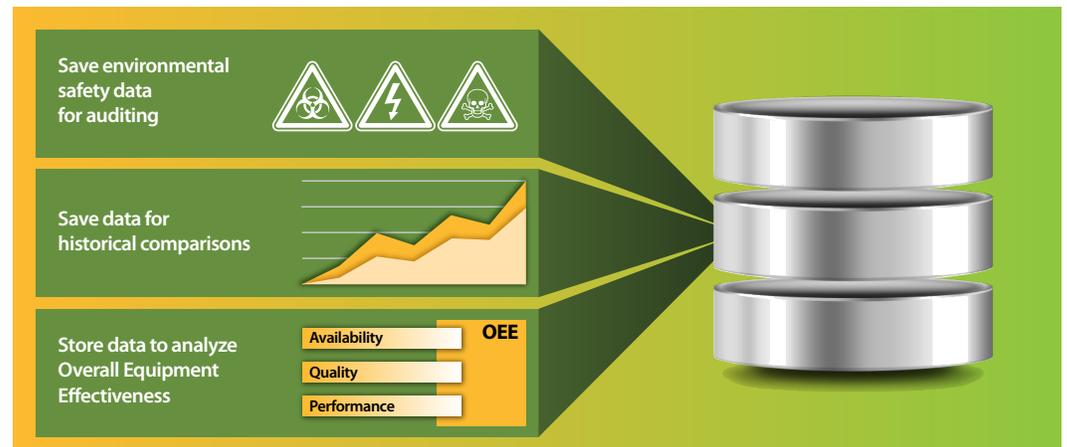
Whatever the reason, DataLogger's robust functionality can help you meet your logging and analysis needs.

Follow the Steps

Step 1:

Setting up a database connection

To start, open DataLogger's **General** tab and then click **Configure DSN**. This launches the **Data Source Administrator**, which allows users to either connect to a database that is already configured or to create a new database.
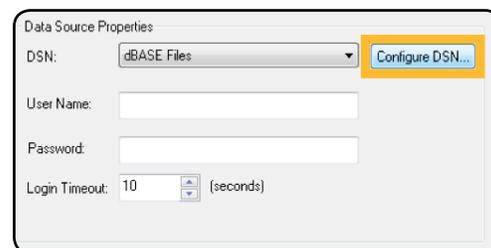
Note: For best logging results, always create a System DSN connection.

Next, open the **System DSN** tab and select the type of driver needed to connect to the database. Try logging data using the **Microsoft Access Driver** (with *.mdb and *.accdb extensions) for testing purposes. Click **Add** to configure the database connection.

Configuring an MS Access Database is quick: simply type in a **Data Source Name** (as shown below) and then click **Create** to specify the location for the database files.
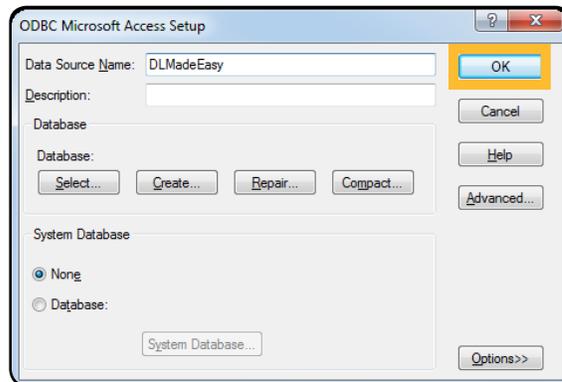
Once finished, click **OK**.
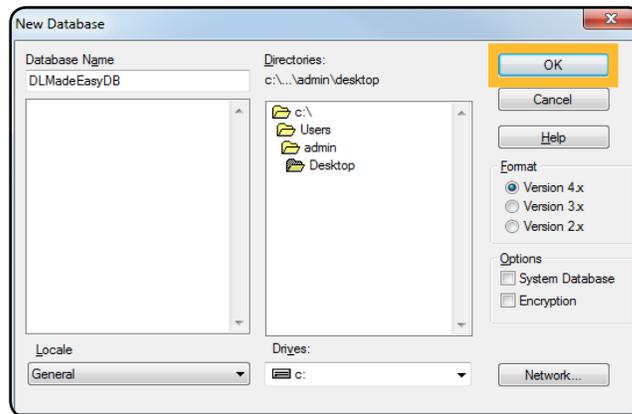
Step 2:

Choosing data to log from the server

Next, open the **Data Map** tab and click **Add** to browse the server for the items that will be logged. For testing purposes, choose a System Tag like "_Time_Second."

Step 3:

Choosing the data logging table and table format

The simplest settings for logging are "Create a new table once and always attempt to append to this table" (located beneath **Table Selection**) and "Narrow" (located beneath **Table Format**). If using an MS Access Database, simply type any name in the **Table Name** drop-down field.
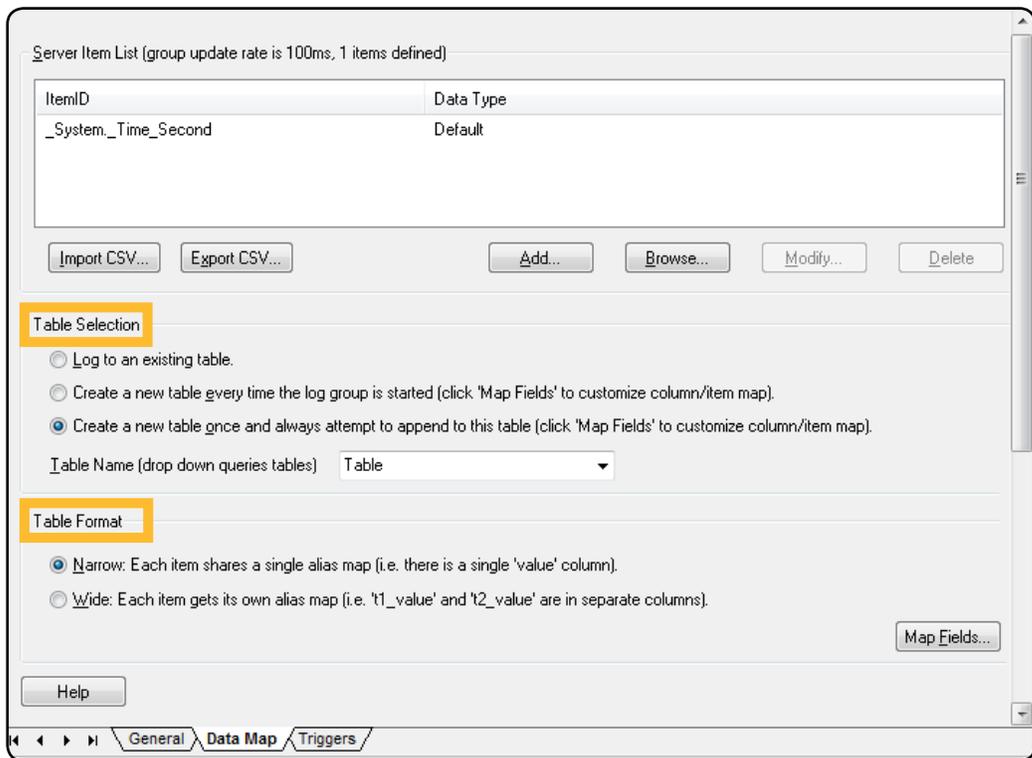
Note: For more information on the Table Selection and Table Format choices, see the **DataLogger Product Manual**.

Step 4:

Triggering the data to log

DataLogger's default settings for new log groups include a pre-configured 500 millisecond trigger. Once the **Save** toolbar icon is selected, data should start logging to the MS Access Database table or any other connected database. Open MS Access to verify that the data was recorded.
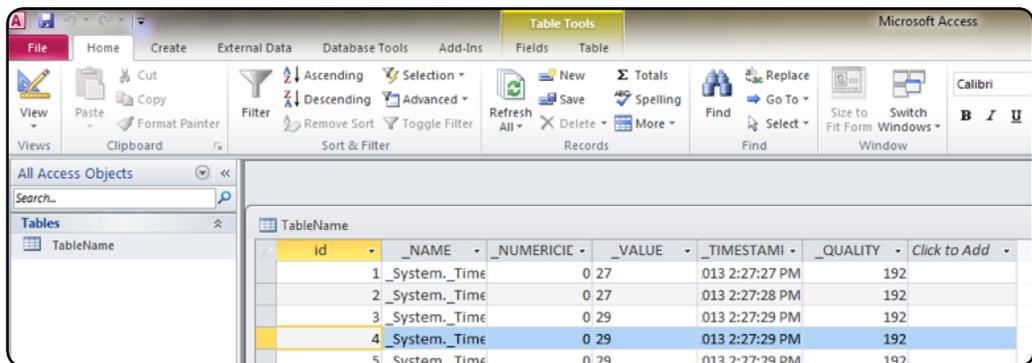
To start and stop logging, click the 📊 and 📊 toolbar icons. Users can also configure multiple log groups to log data at different rates or to different databases.

Additional Features

Users have the option to use the **Batch Identifier** section (located in the **General** tab) to group data rows together. Once set, the database can be searched using the Batch ID to pull a group of data at once.

Users can also utilize DataLogger's new store and forward capabilities, which were added in KEPServerEX version 5.14. To access video content for KEPServerEX version 5.14, which includes DataLogger and DataLogger's store and forward functionality, please visit **Kepware's YouTube channel**.