



ICONICS, Inc.
100 Foxborough Blvd.
Foxborough, MA 02035
Phone: (508) 543-8600
Fax: (508) 543-1503
[Worldwide Support Centers](#)
www.iconics.com



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Introduction to Database Upsizing

You can upsize your TrendWorX32 Logger databases from Microsoft Access (.mdb) to MSDE, allowing you to take advantage of the powerful relationship database technology in MSDE. MSDE supports databases up to 2 GB with up to five concurrent users. This document provides instructions for upsizing databases from Microsoft Access to MSDE.

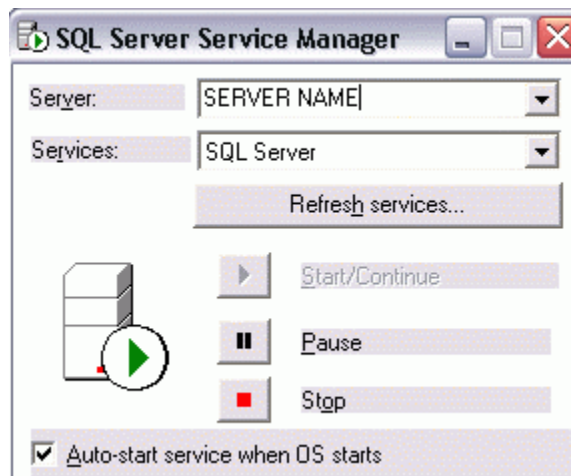
Though the default TrendWorX32 Logger database is a Microsoft Access database ("TWX32.mdb.mdb" file), the TrendWorX32 Logger is designed to work with SQL Server databases as well.

In some cases, the transition to a SQL Server database is required to make use of the better memory management, database security, robustness, and higher performance of SQL Server or MSDE.

Auto-Starting the SQL Service

When upsizing databases, you must set the SQL service to auto-start:

1. Double click on the SQL Server icon in the Windows task bar to open the SQL Server Service Manager, as shown in the figure below.
2. Make sure that **Auto-start service when OS starts** check box is checked.
3. Close the SQL Server Service Manager dialog.

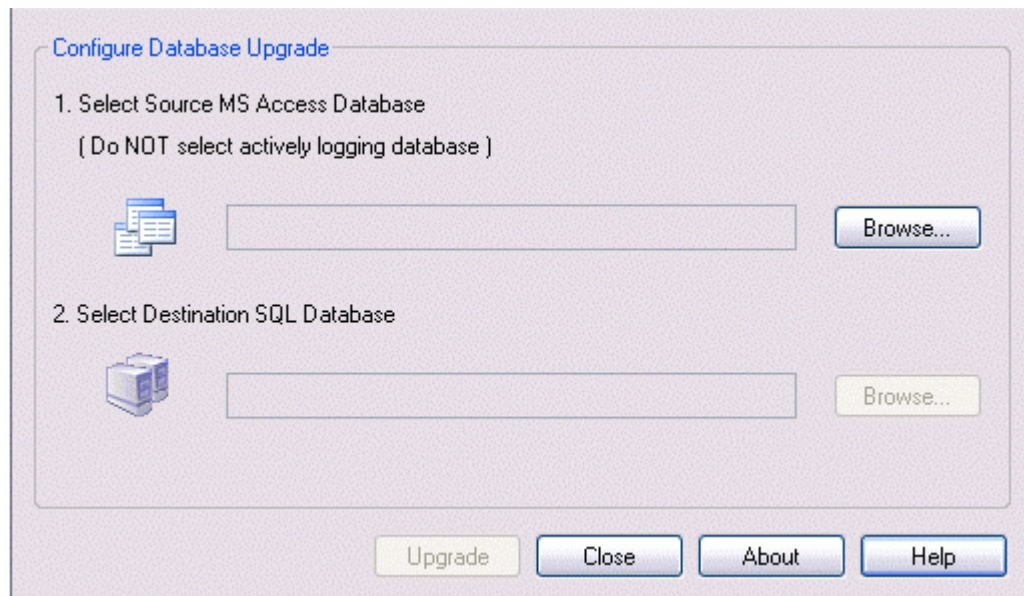


Auto-Start Enabled for SQL Service

Using the TrendWorX32 Database Upsize Utility

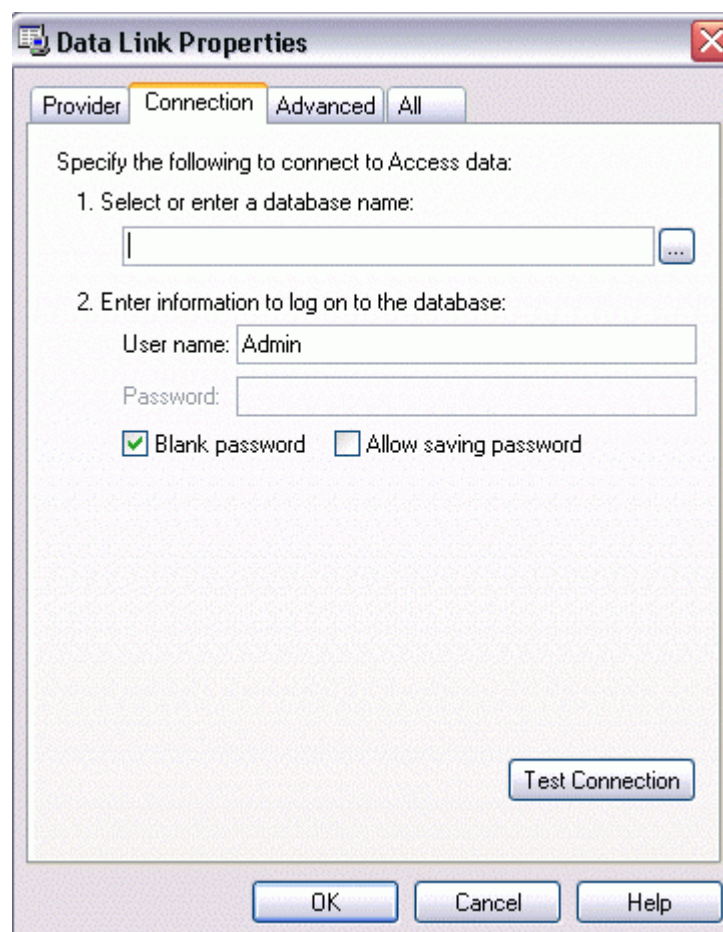
To run the TrendWorX32 Database Upsize Utility:

1. From the Windows **Start** menu, select **Programs > ICONICS GENESIS32 > TrendWorX32 > TrendWorX32 Upsize Utility**.
2. This launches the **TrendWorX32 Database Upsize Utility** dialog box, as shown in the figure below. The first step in upsizing is to select a Microsoft Access database to convert to SQL. Under **Select Source Microsoft Access Database**, click the **Browse** button.
Note: Do not select a database that is actively logging data.



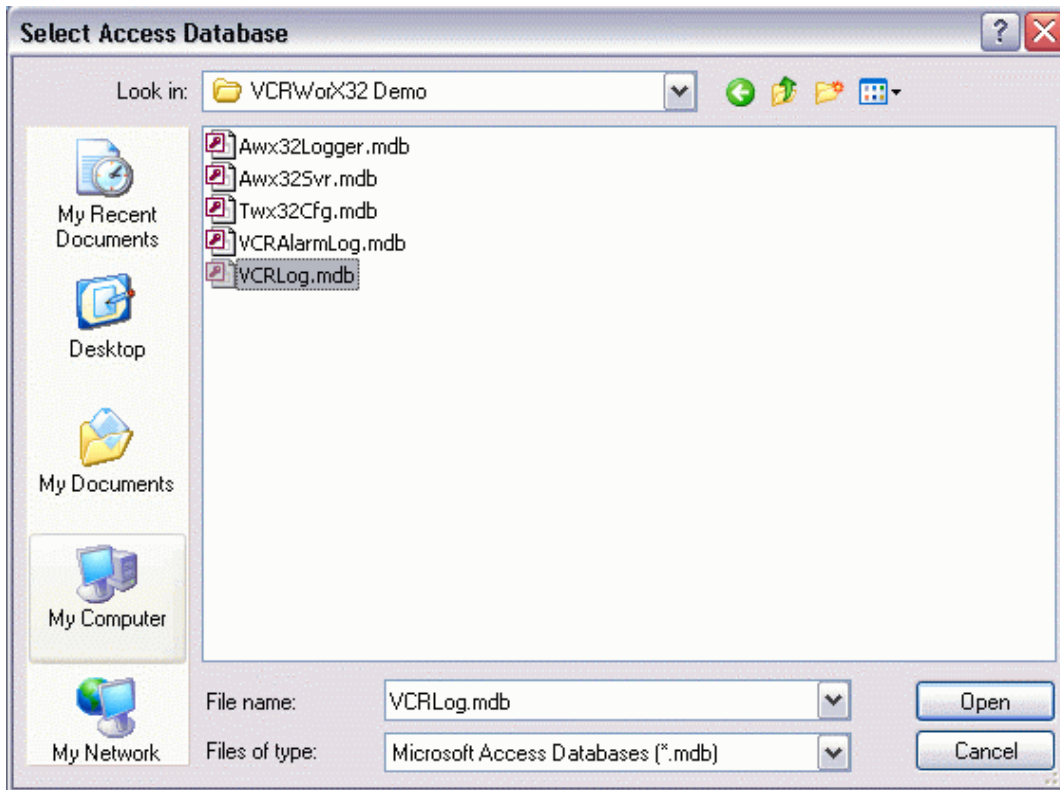
TrendWorX32 Database Upsize Utility

3. This opens the **Data Link Properties** dialog box, as shown in the figure below. Click the ... button to browse for a Microsoft Access database.



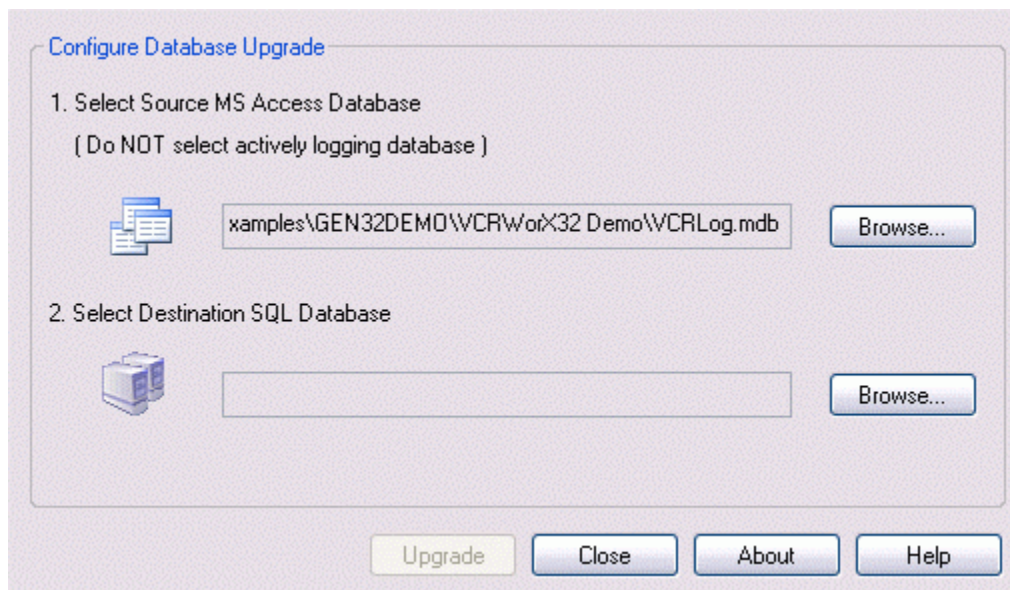
Data Link Properties: Selecting a Microsoft Access Database

4. Select a TrendWorX32 Logger Microsoft Access database, as shown in the figure below. The .mdb file must be a valid historical database. Click **Open**.



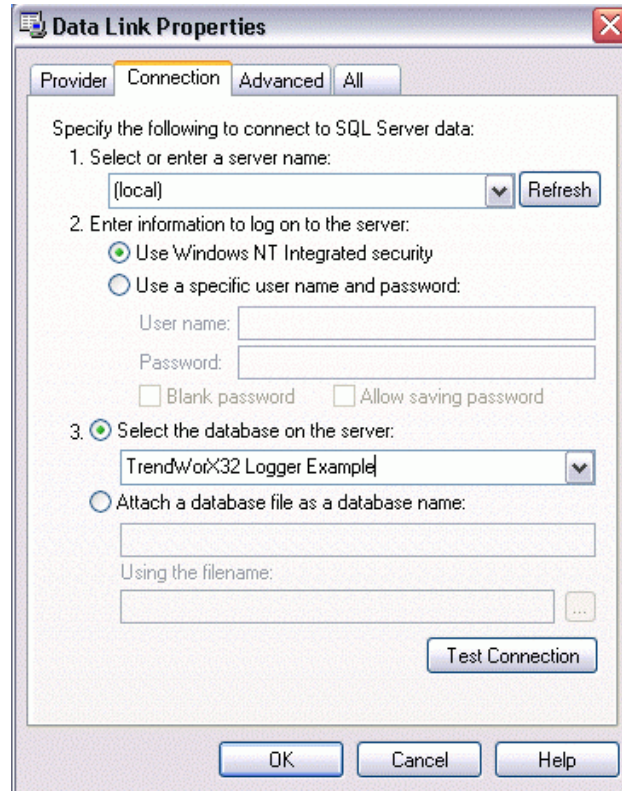
Selecting a Microsoft Access Database to Convert

5. Your selection appears in the **TrendWorX32 Database Upsize Utility** dialog box, as shown in the figure below. The next step in upsizing is to select a destination SQL Server database. Under **Select Destination SQL Database**, click the **Browse** button.



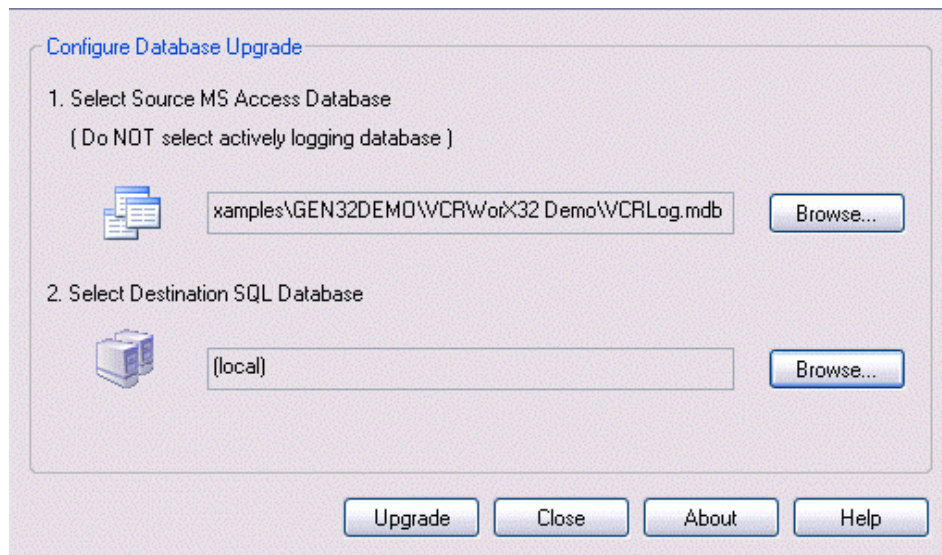
Source Access Database Selected

6. This opens the **Data Link Properties** dialog box, as shown in the figure below. Specify the SQL Server name and the database name. Click **OK**.



Data Link Properties: Selecting a SQL Server Database

7. Your selection appears in the **TrendWorX32 Database Upsize Utility** dialog box, as shown in the figure below. Click the **Upgrade** button to begin the upsizing operation. You will see a progress bar during the conversion.



Destination SQL Database Selected