



GENESIS32 - MS Access Compaction for TrendWorX32 & AlarmWorX32 Databases

APPLICATIONS NOTE

August 2004



Description: This AppNote will explain how we can compact the Access Databases created by TrendWorX32 and AlarmWorX32.

OS Requirement: The operating system required is Win XP/2000/NT/95/98/Me/Windows Server 2003.

General Requirement: Have to **STOP** all data logging for both TrendWorX32 and AlarmWorX32.

Access during the data logging process will de-fragment the memory. It does not return back the used up space after it finishes using it. Hence the size of the database keeps on growing. Though there is not much data, since the extra space was not returned back to the Operating System, the size appears huge. We can reduce the size and save space by compacting the database. By compacting we return the unused space back to the Operating system for future use.

Access cannot handle more than 1GB of data. Hence it is advised to compact the database for this purpose also.

Steps for AlarmWorX32:

1. Make sure all the Data logging has stopped before you start compacting your database, and all the clients are disconnected.
2. Make a backup copy of your database. Alternatively Access will also make a backup copy of the database before it compacts the database.
3. Go to **Start – Programs – Genesis32 – AlarmWorX – Alarm Logger Configurator** and open it. Go to **Tools Menu** and select **Compact/Repair Access Database**. See the figure below:

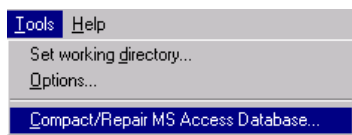


Figure 1

4. The Compact/Repair MS Access Repair Database window will open up. Select the database file (which has all the Alarm information) for compacting. See the figure below:

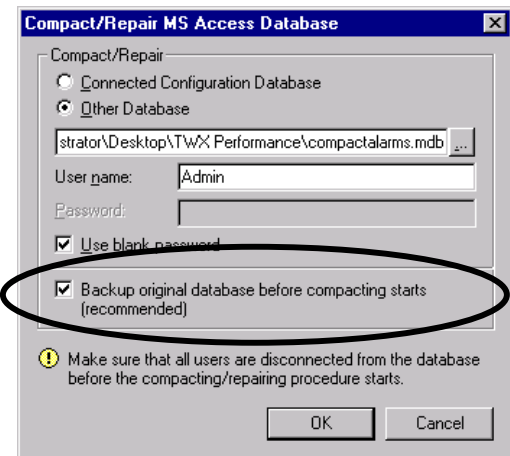


Figure 2

5. Select the option to backup the Original Database as shown in the figure above.
6. After the compacting is finished you get a message box. See the figure below:

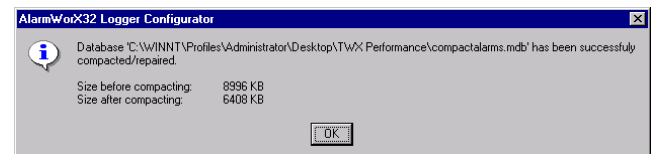


Figure 3

7. Compare the file size and you will notice that the size has indeed reduced after compacting the database.

Steps for TrendWorX:

1. Make sure all TrendWorX clients are disconnected and the data logging has stopped.
2. Make a backup copy of your Database.
3. Go to **Start – Programs – TrendWorX – TrendWorX Configurator** and open it. Go to **Tools Menu** and select **Compact/Repair MS Access Database**. See the figure below:

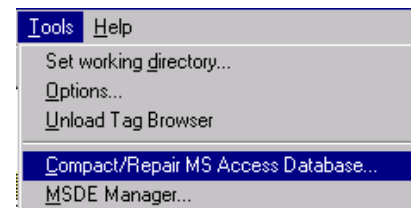


Figure 4

4. The Compact/Repair MS Access database window will open up as shown below. Select the file to be



GENESIS32 - MS Access Compaction for TrendWorX32 & AlarmWorX32 Databases

APPLICATIONS NOTE

August 2004



compacted (which has all the Trend information) and also select the option to backup the existing database. See the figure below:

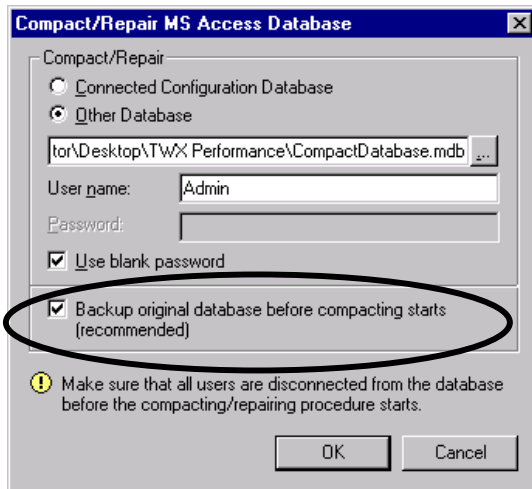


Figure 5

5. After the database is compacted you will get a success message along with the previous size and the reduced size. See the figure below.

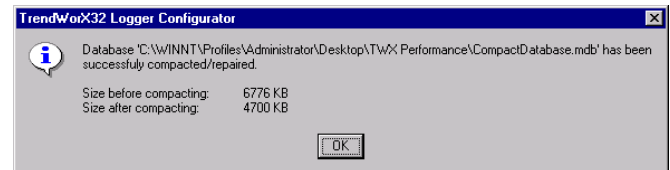


Figure 6

6. After you are done with Compacting, you can start the applications for data logging.