



TrendWorx32 Reporter – Quick Start

APPLICATIONS NOTE

January 2003

Description: Information on the features of the ICONICS Trend Report

OS Requirement: The operating system required is Win XP/2000/NT/Me/98SE

The TrendWorX32 collects process data and logs this into standard databases (Access, MSDE, MS-SQL, Oracle).

TrendWorX32 Reporting is a stand-alone OLE Automation server capable of generating reports from the TrendWorX32 SQL Data Logging Server databases. It is integrated within the TrendWorX32 container, and it can be used as a stand-alone application.

Capabilities:

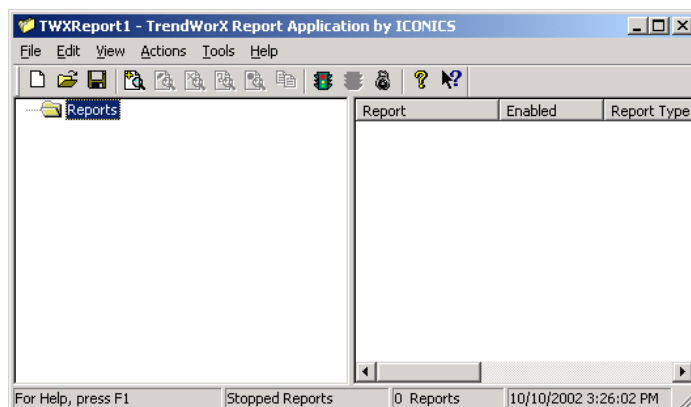
- The TrendWorX32 Reporter creates one or more trend reports and is triggered periodically or by a process conditions.
- The trend report is provided in Text, MS-Excel or Database format.

Note: The Trend Reporter needs some historical data on which it can base its report(s).

Trend Report Configuration

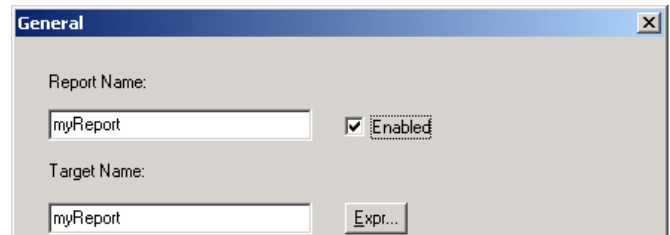
To configure the Trend reporter, the following steps have to be completed.

- Start the **TrendWorX32 Reporter**. Click Start, Programs/ICONICS GENESIS-32/TrendWorX32/TrendWorX32 Reporting



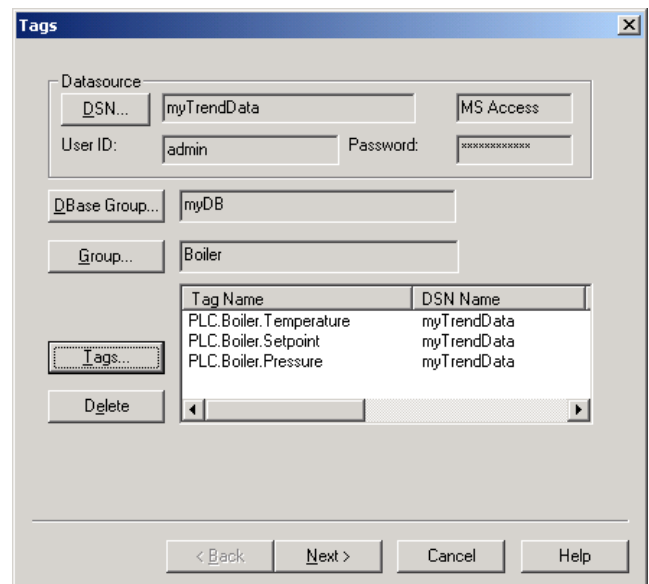
- Select the **File, New** from the menu.
- Select **Edit, Add Report** from the menu and specify a name for the report configuration **myReport** as well as a target name for the report **myReport**.

- Select the **Enabled** flag and click the **Next** button.



Report Name Configuration

- Click the **DSN** button and select the Machine Data Source Tab. In the list select, already defined **Data Source Name** and click **OK**. When it asks for a username and password, click **OK** again.



Report DNS/DB/Tags Configuration

- Click the **DBase Group** button, select **myDB** and click **OK**.
- Click the **Group** button, select **Boiler** and click **OK**.
- Click the **Tags** button, select the three trend pens and click **OK**.
- Click the **Next** button.



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Data Filter:

- Select the Filter **Last** and Process Data Every **15** seconds.
- Click the **Next** button.

Report dialog box settings:

- Data Filter: Last
- Filter Order: 8
- Process Data Every: Days 0, Hours 0, Min 0, Secs 15, Msec 0
- Input Signal is: Amount per sec
- Totalizer Type: Continuous
- Counting Options Initial value: 0
- AutoReset Level: 2000

Ranges:

- Verify that the Range of the report data is correct.
- Click **Finish**

TWXReport dialog box settings:

- Single execution: Set Start... Friday, March 08, 2002 07:52:11; Set End... Friday, March 08, 2002 13:52:11
- On Event: Report Time Span: 0 days, 1 hour, 0 min, 0 sec

File Format:

- Select **Text File** as the format for your report.
- Select the **Report Path** button and specify where the reports need to be created. e.g. **D:\TEMP**
- Click the **Next** button.

TWXReport dialog box settings:

- Report Path: D:\Temp
- Number Format: XXXX.XX
- Add Header: checked

Save Report:

- Select **File, Save As... Reports.rtw**
- Click the traffic light to start the reports.

reports.rtw - TWXReport Application by ICONICS

Report	Enabled	Report Type	Status	Last Run
myReport	Yes	Immediate	Running	3/8/2002 2:13:50 PM

View Excel Report:

The D:\TEMP directory will contain the report that was just created. This report can be opened with Notepad or as shown below with MS-Excel .

Schedule Report:

- Select **Immediately** for the schedule of the report.
- (You can also schedule Report on Time, Event or Periodic)

TWXReport dialog box settings:

- Schedule: Immediately
- Date: Friday, March 08, 2002
- At Time: 1:52:11 PM

Microsoft Excel - myReport_030802_141350.csv

Date	Time	Msecs	PLC Boiler.Pre	PLC Boiler S	PLC Boiler Temperature
3/8/2002	1:14:26 PM	0	9	234	64.04
3/8/2002	1:14:41 PM	0	24	236	35
3/8/2002	1:14:56 PM	0	39	238	65.96
3/8/2002	1:15:11 PM	0	54	240	33.42
3/8/2002	1:15:26 PM	0	69	242	67.23
3/8/2002	1:15:41 PM	0	84	244	32.15
3/8/2002	1:15:56 PM	0	99	246	68.49
3/8/2002	1:16:11 PM	0	14	248	30.87
3/8/2002	1:16:26 PM	0	29	250	69.74
3/8/2002	1:16:41 PM	0	43	252	60.42
3/8/2002	1:16:56 PM	0	58	254	40.26
3/8/2002	1:17:11 PM	0	73	256	58.75

Click the **Next** button.

An example of a Trend Report