TrendWorX32 Reporting – TrendWorX32 Reporting Quick Start

APPLICATIONS NOTE

April 2010

Description: Guide to configuring and running the TrendWorX32 Reporting application.
OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7
General Requirement: Knowledge of your TrendWorX32 Logger configuration, especially the ODBC data source that you used to connect to your database. Data should also be present in the logging database for reporting.

Introduction

TrendWorX32 Reporting allows you to create reports for data collected using TrendWorX32. This application is very useful when you need to automatically create reports periodically. Since the database that we store data in is not very human readable (to save disk space and increase performance), the reporting tool becomes essential to generate meaningful reports.

You may create four types of reports: Immediate, One Time, Periodic, and on Event. **Error! Reference source not found.** shows the types of reports that you could execute. You can save the reports as an Excel file, a text file (csv), or a database table.

Table 1 - Report Types

Types of Report	Description
Immediate	Immediate runs the report after Report Starts
One Time	Executes the report at a specific day and time.
Periodic	Executes a report periodically. You can execute it hourly, daily, weekly, and monthly at a specified time.
Event	The report executes when a certain event occurs.

Configuring a Trend Report

1. Start the TrendWorX32 Reporting by clicking on Start → Programs → ICONICS GENESIS32 → TrendWorX32 → TrendWorX32 Reporting.
2. Select the **File → New** from the menu to create a new reporting configuration.
3. Click on the Add Report button; specify a name for the report configuration as well as a target name for the report. The report name can be the same as the target name.

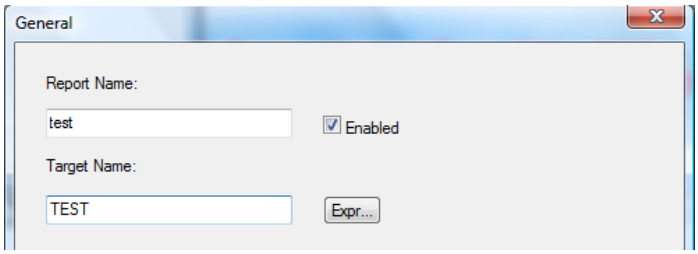

Figure 1 - Configuring New Report

4. Select the **Enabled** checkbox and click the **Next** button.
5. Click the **DSN** button and select the Machine Data Source Tab. You should see the ODBC data source that you are using to log data in the list. Select that data source, and click OK. When it asks for a username and password, click **OK** again.
6. Click the **DBase Group** button, select the database group where your tags reside in and click **OK**.
7. Click the **Group** button, select your data logging group, where your tags reside and click **OK**.
8. Click the **Tags** button, and select the desired Tags in an order in which you want the report to produce the tags in an excel sheet. TrendworX Reporter will put the tags in a report in a same order in which you put your tags in this area.

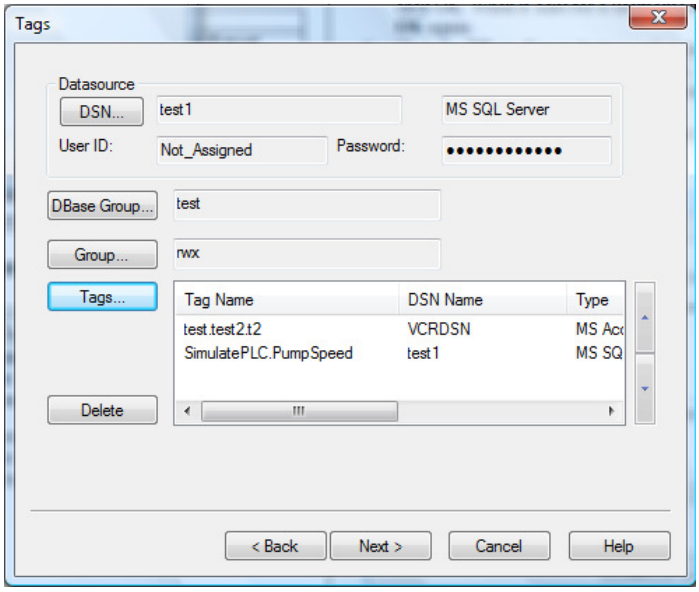

Figure 2 - Selecting Database Connection

9. Click the **Next** button.
10. Select the Filter **Last** and Process Data Every **15** seconds. This will show the last value of every 15 seconds interval.

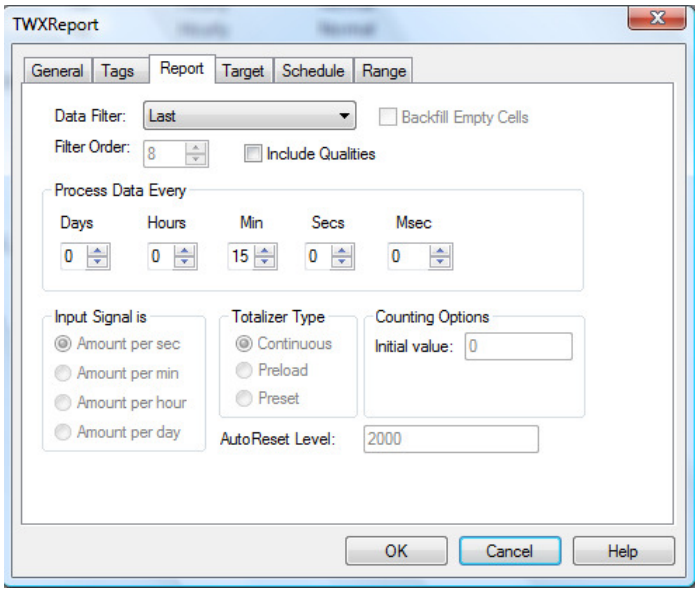

Figure 3 - Report Filter Configuration

11. Click the **Next** button.
12. Select **Excel File** as the format for your report.

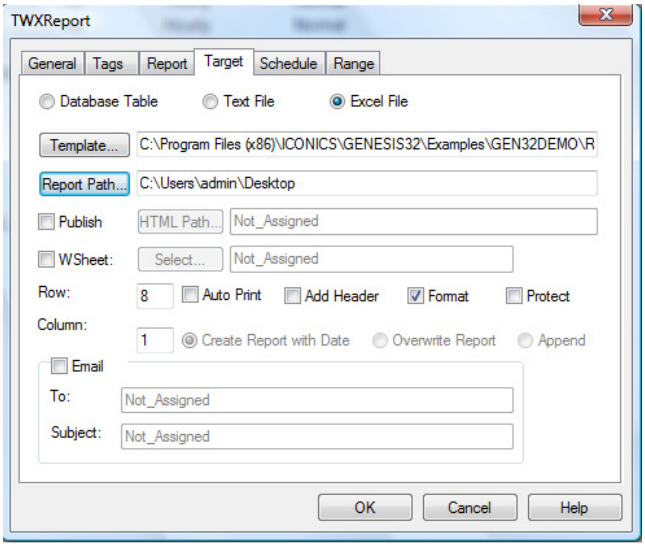

Figure 4 – Report target configuration

13. Select the **Report Path** button and specify where the reports should be created. Select the worksheet on which you want to generate the report.Click the **Next** button.
14. Select **Immediately** for the schedule of the report and click the **Next** button.

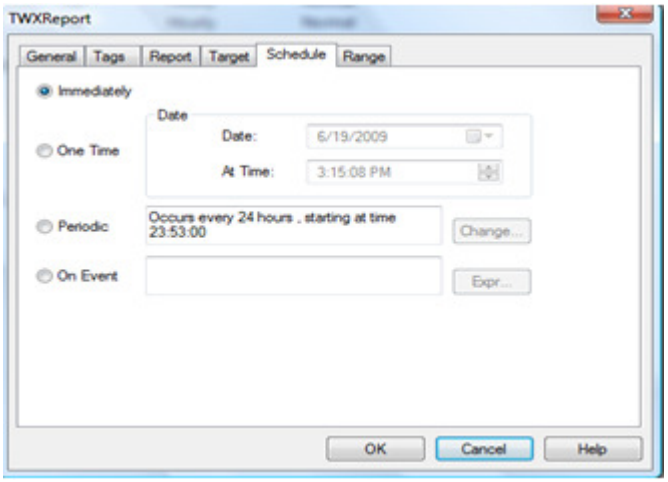

Figure 5 – Report Schedule configuration

15. Verify that the Range of the report data is correct and click **Finish**.

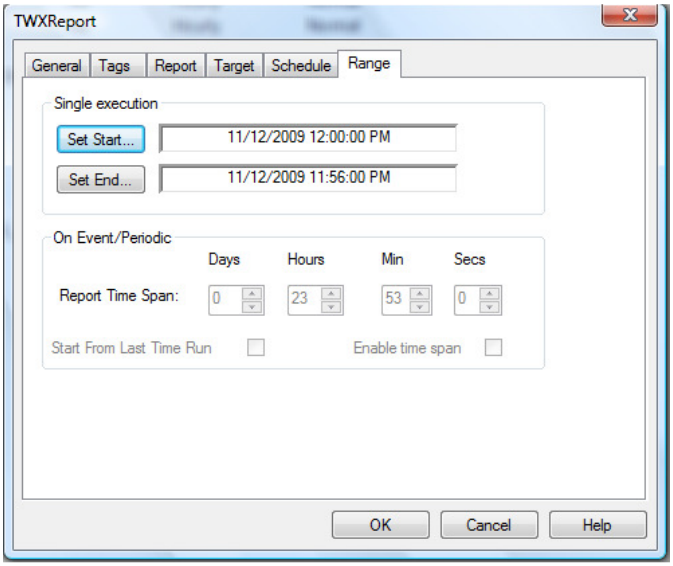

Figure 6- Report range configuration

16. Save the configuration file.
17. Click the traffic light to start the report(s).
18. You should now be able to view the report in in MS-Excel.