



Description: How to customize ReportWorX.Net Runtime Statistics.

OS Requirement: The operating system required is Microsoft Windows XP/2000/2003, Microsoft SQL Server.

General Requirement:

This application note assumes that you have installed a working version of Microsoft SQL Server and the ReportWorX.NET Database is located on your *local machine*.

This document demonstrates how you can customize ReportWorX.Net Runtime Statistics for your personal needs.

Introducing Runtime Statistic

The runtime statistics is a ReportWorX report that provides a history of the ReportWorX activity. It provides a summary of the reports that were executed during the last 24 hours, last 7 days and the last 30 days. For each report executed it provides the name of the report, date, time and speed of execution, user name and report status.

The report status code is a number from 0 to 7 and is defined in the Table 1.

Report Status	Description
0-2	Internal Use
3	Running
4	Completed
5	Cancelled
6	Completed with errors
7	Failed

Table 1

Executing the Runtime Statistic

To execute the Runtime Statistic report, you must create a new report using the ReportWorX Configurator and link the Runtime Statistic template to it. In addition, a redirector should be linked to the report as well.

Change Database Connection

This step is optional and is only required if the report database is named something other than the default name "ReportWorX.NET_Database".

To change the database connection run ReportWorX.Net Configurator and click on the **Edit this template** button located in:

Report Tools->Report Templates->ReportWorX Statistics.

Select the tab for the Excel Sheet that you want to modify and right click on any cell inside the configuration block.

Click on **Edit Configuration**.

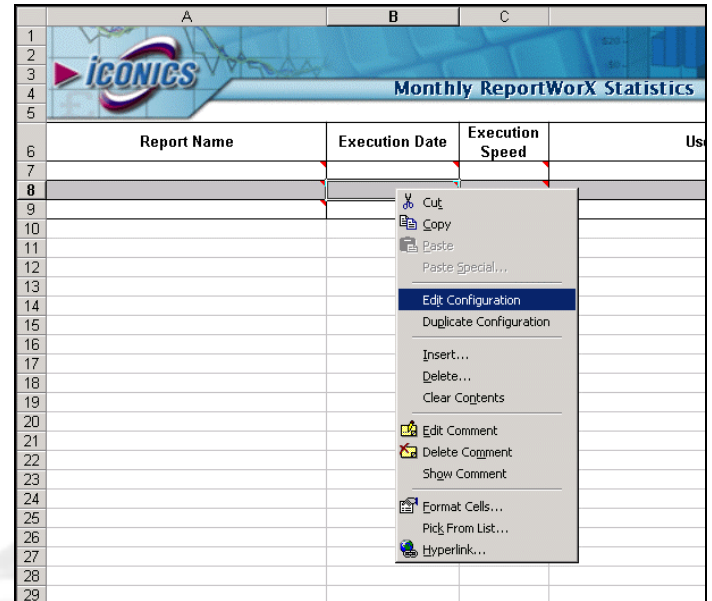


Fig. 1: Edit Configuration on the current configuration

When the **Open Database Connection Dialog** appears verify the contents of the connection to database server field shows the **Initial Catalog** equal to the current ReportWorX.NET Database name (if you have installed it with the default name you can leave: Initial Catalog=ReportWorX.NET_Database).

If the name is different, click on **Database Login** Button and adjust your database settings.

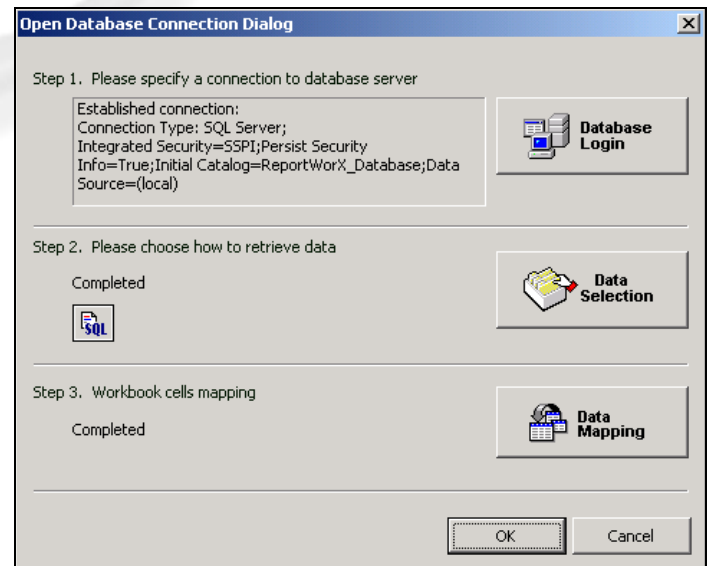


Fig. 2: Open Database Connection Dialog



Customize Runtime Statistics Time Range

This step is optional and it may be used to generate Runtime Statistics for other time ranges.

To customize the time range click on **Data Selection->Advanced Configuration Mode** and click on **Edit SQL Query Manually**

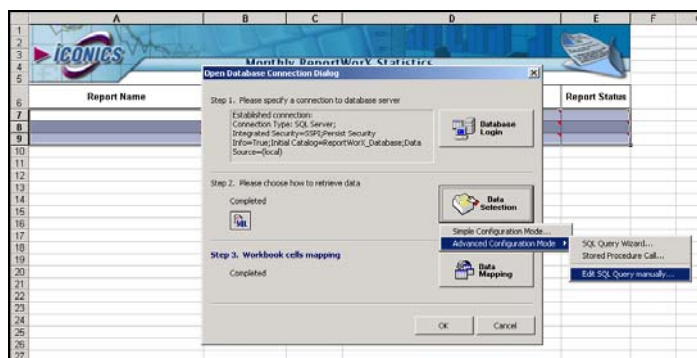


Fig. 3: Edit SQL Manually

Located the line containing the function **DATEDIFF** and the less then or equal to sign "**<=**". Changing the number after the "**<=**" sign will affect the time range (number of days) for the report.

If you change this value to 7 you will obtain weekly statistics or to 15 you will have a report with bi-monthly statistics.

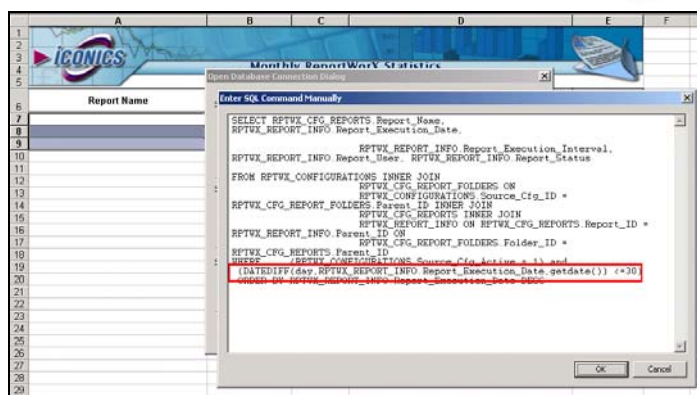


Fig. 4: The place where is usually located the DATEDIFF expression.

After you have modified your SQL Expression, check that it works by clicking on the **SQL** button located in the **Open Database Connection Dialog** below the label, and clicking on the **Execute SQL Command** inside the **SQL Test Run** Tab

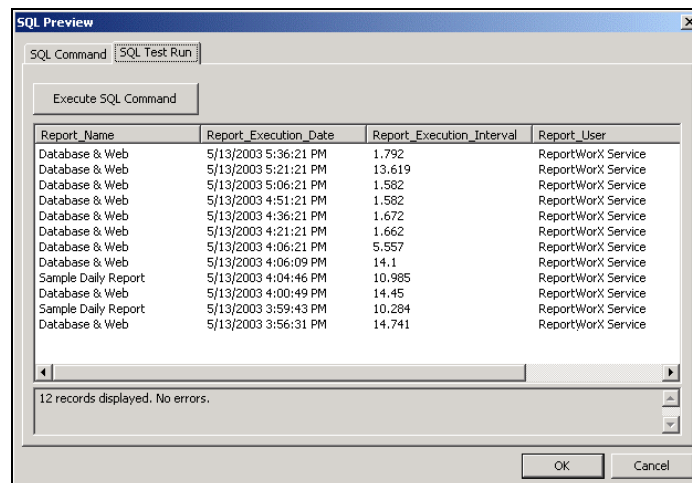


Fig. 5: Testing the SQL Expression

Next click on the **Data Mapping** button located in the **Open Database Connection Dialog** and click the **OK** button without changing anything inside the **Data Mapping** window.

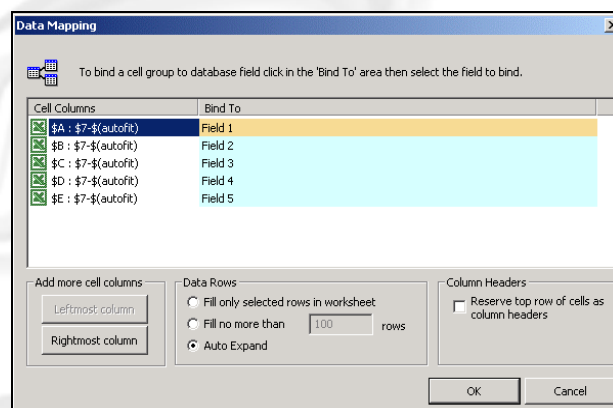


Fig. 6: Data Mapping Dialog



Final Result

Now save the Workbook file and close Microsoft Excel.
Execute the report linked to this template. You should get a statistical report that looks similar to the report in Figures 7 and 8 below:

Report Name	Execution Date	Execution Speed	User Name	Report Status
Database & Web	5/13/2003 17:36	1.292	ReportWorX Service	4
Database & Web	5/13/2003 17:21	1.619	ReportWorX Service	4
Database & Web	5/13/2003 17:06	1.582	ReportWorX Service	4
Database & Web	5/13/2003 16:51	1.582	ReportWorX Service	4
Database & Web	5/13/2003 16:36	1.672	ReportWorX Service	4
Database & Web	5/13/2003 16:21	1.662	ReportWorX Service	4
Database & Web	5/13/2003 16:06	5.557	ReportWorX Service	4
Database & Web	5/13/2003 16:06	14.1	ReportWorX Service	4
Sample Daily Report	5/13/2003 16:04	10.985	ReportWorX Service	4
Database & Web	5/13/2003 16:00	14.45	ReportWorX Service	4
Sample Daily Report	5/13/2003 15:59	10.264	ReportWorX Service	4
Database & Web	5/13/2003 15:58	14.741	ReportWorX Service	4
Sample Daily Report	5/13/2003 15:45	10.264	ReportWorX Service	4
Database & Web	5/13/2003 15:51	8.742	ReportWorX Service	4
Database & Web	5/6/2003 15:51	15.011	ReportWorX Service	4
Sample Daily Report	5/6/2003 15:49	17.515	ReportWorX Service	4
Database & Web	5/6/2003 15:36	1.662	ReportWorX Service	4
Database & Web	5/6/2003 15:21	1.812	ReportWorX Service	4
Database & Web	5/6/2003 15:06	1.832	ReportWorX Service	4
Database & Web	5/6/2003 14:51	9.684	ReportWorX Service	4
Database & Web	5/7/2003 14:36	1.672	ReportWorX Service	4
Database & Web	5/7/2003 14:21	16.904	ReportWorX Service	4
Database & Web	5/7/2003 13:06	9.263	ReportWorX Service	4
Database & Web	5/6/2003 13:06	19.387	ReportWorX Service	4
Database & Web	5/6/2003 12:51	1.582	ReportWorX Service	4
Database & Web	5/6/2003 12:36	2.123	ReportWorX Service	4
Database & Web	5/6/2003 12:21	9.453	ReportWorX Service	4

Fig. 7: Report Result showing data table

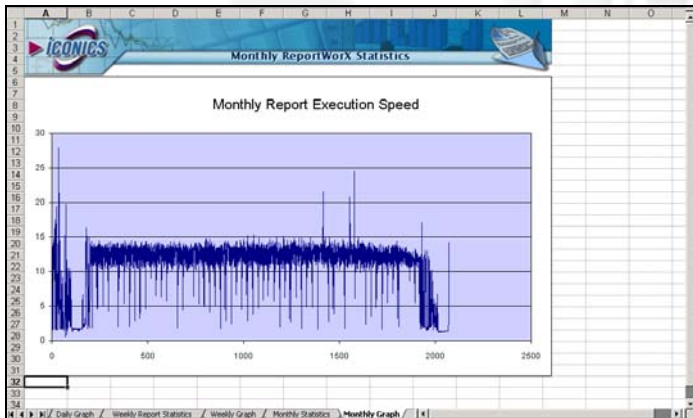


Fig. 8: Report Result showing plotted data