Examples of log parsing automation (Hyper-V Bandwidth Meter)

How to get daily traffic usage reports with PARSERCMD.EXE tool, a batch file and Windows 2008 scheduler

There is main.bat file in bat-parsercmd folder. This batch file helps to automate daily logs parsing procedure by using Windows 2008 scheduler.

Open main.bat with Notepad and change the following settings according to your server environment:

SET format=html
(Reports format. Specify one of the following: HTML, PNG, CSV)

SET is_one=separate
(Specify *separate* if you need a separate report for each virtual machine (virtual server, VPS) or *all* for a single report (all virtual machines in a single report))

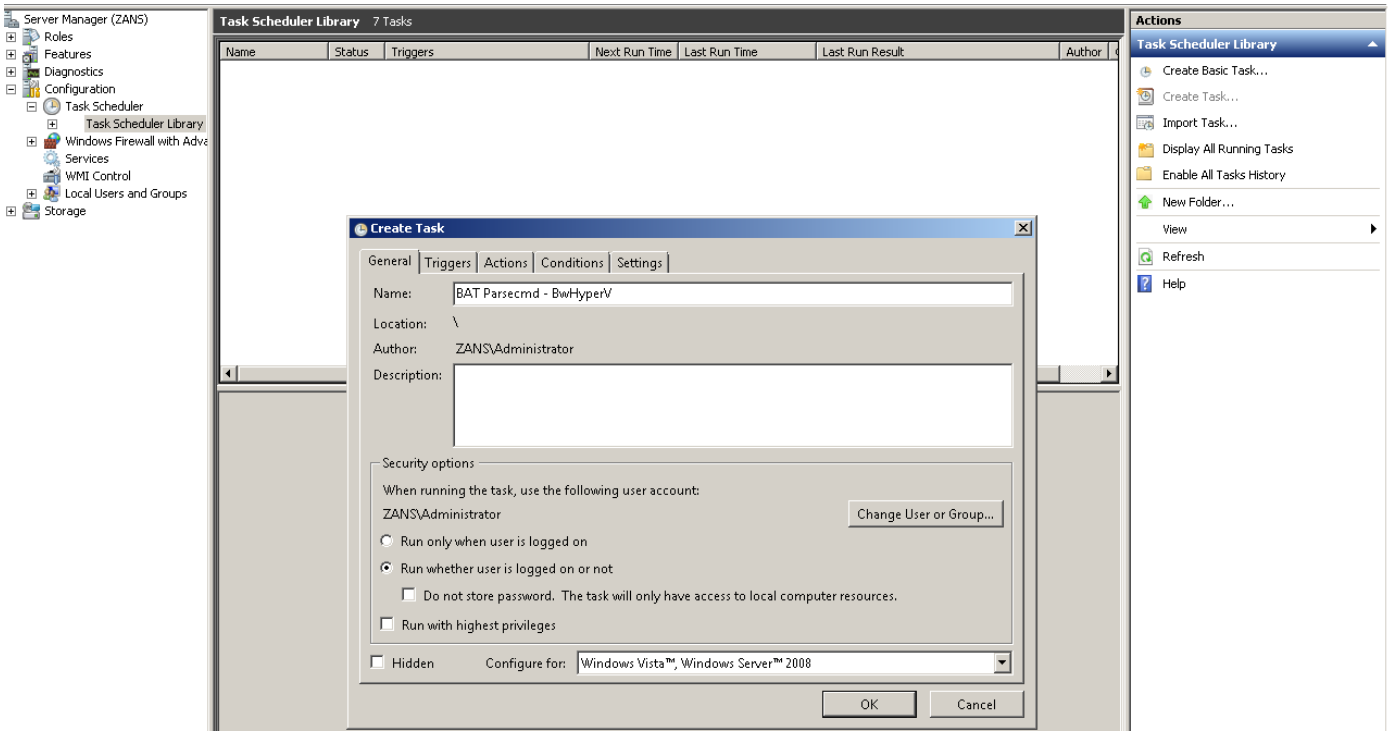
SET folder_for_reports=c:\reports-bwhyperv
(The reports will be created in this folder)

SET logs_bwhyperv="C:\Program Files\BwHyperV\logs"
(The folder with log files to be parsed)

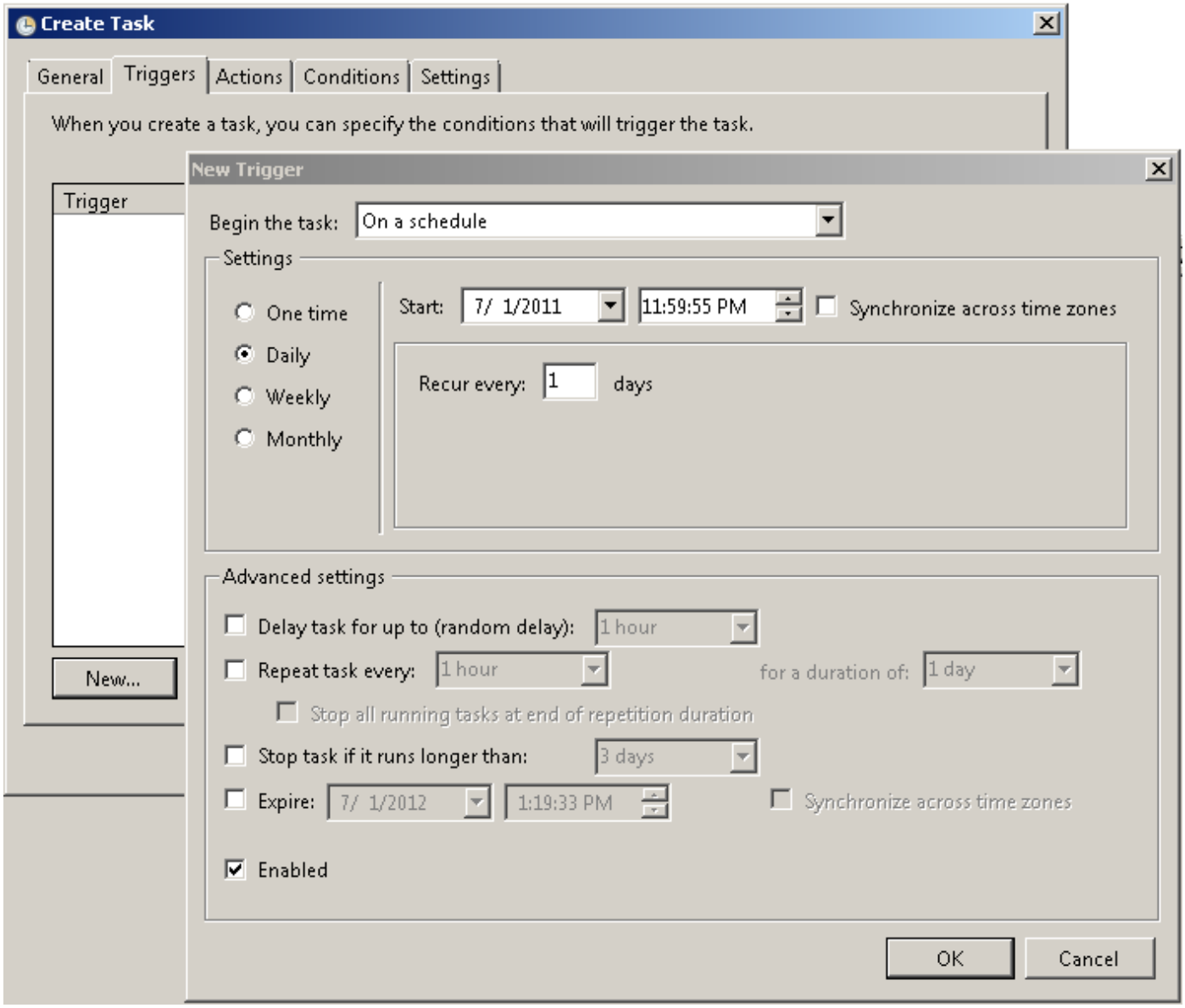
SET parsercmd="C:\Program Files\BwHyperV\parsercmd.exe"
(Path to parsercmd.exe tool. It is *"C:\Program Files\BwHyperV\parsercmd.exe"* by default. Change it if you installed the tool to a different folder.)

Then create a task with the Windows Task Scheduler:

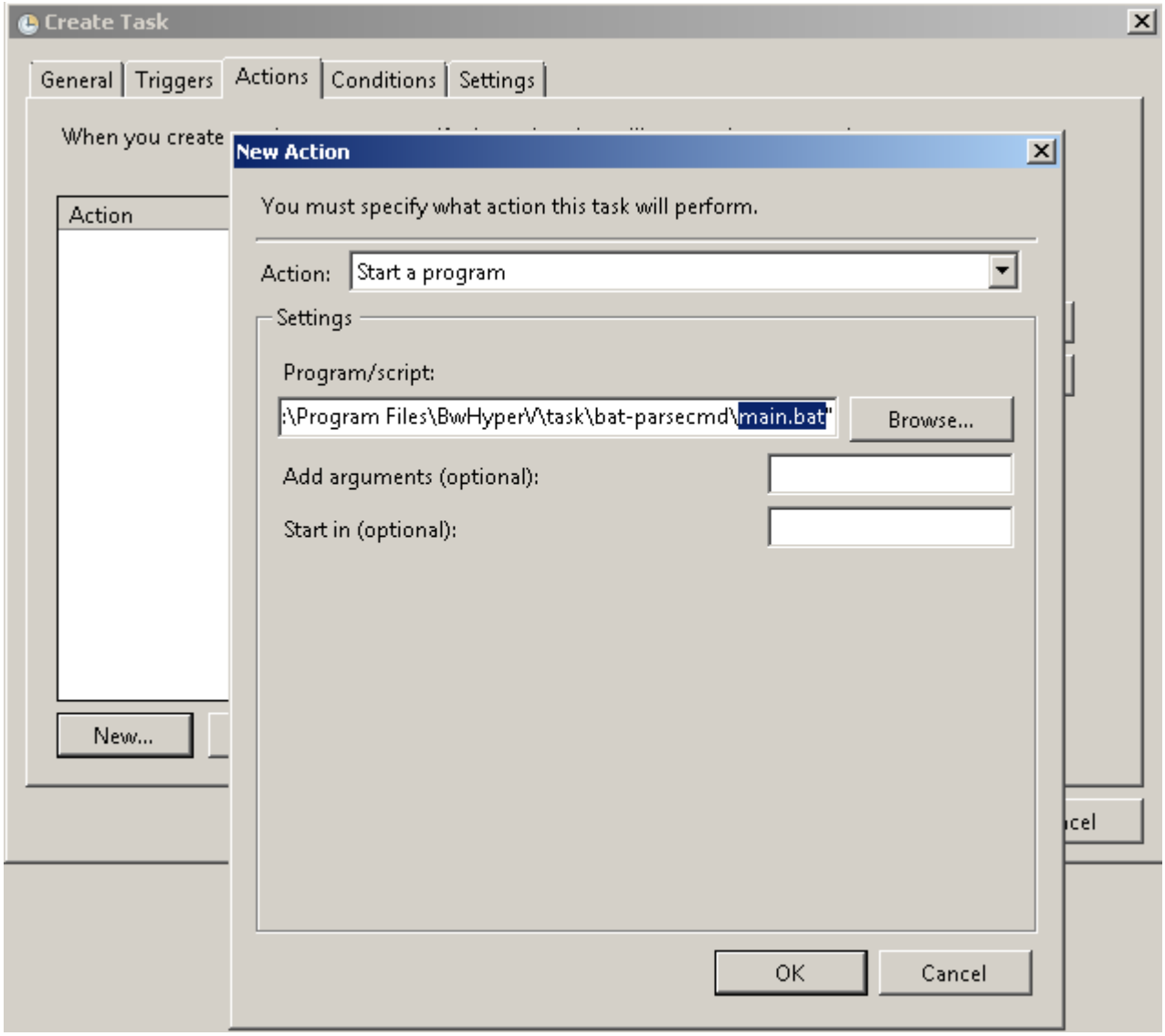
Step 1. Start the Task Scheduler and click *Create task* in *Action*, specify the task name and select *Run whether user is logged on or not* option.



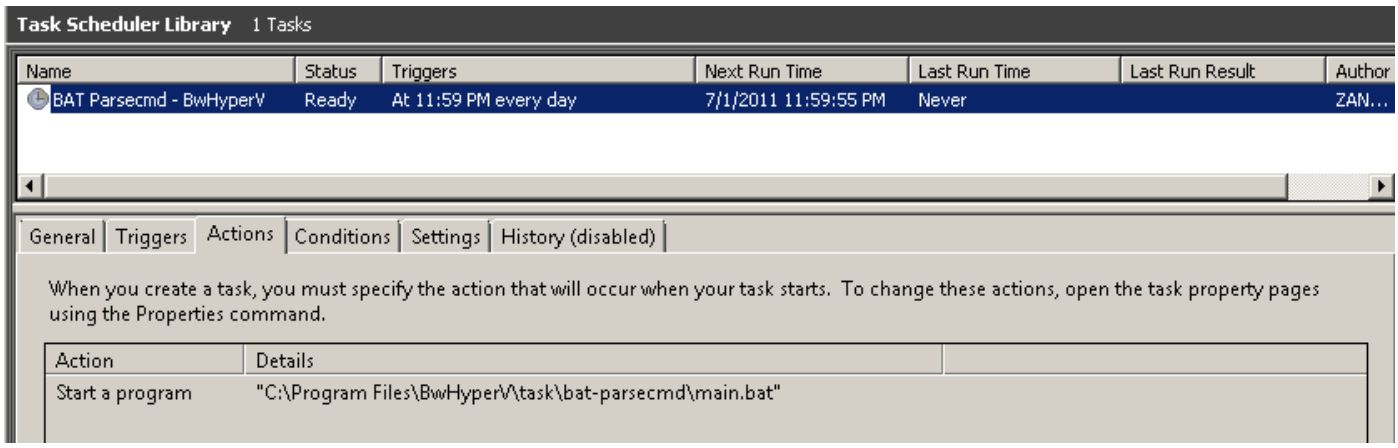
Step 2. On *Triggers* tab click *New* button, select *Settings* – *Daily*, set *Start* time: 11:59:55 PM – **IT IS VERY IMPORTANT!** (It is 5 seconds before the day end.)



Step 3. On *Actions* tab click *New* button, then *Action: Start a program*, select main.bat file by using *Browse* button.



Step 4. Click *Ok* to save the task. You will get:



All is done!

How to get daily traffic usage reports with Microsoft LogParser tool, a batch file and Windows 2008 scheduler

This article explains how to generate the reports with Microsoft LogParser tool. **This example also gives an idea - how to use 3rd-party tools to parse Hyper-V Bandwidth Meter log files.**

Let's decide that we need a bandwidth usage chart containing virtual servers that used more than 500 Megabytes of bandwidth by TCP/IP protocol. (Of course you can extend it to other protocols by **query2.sql** script editing**.)**

First of all you need Microsoft LogParser tool:
http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=24659

You also need these files (you can see them in "logparser" folder)

main.bat – main batch file
query1.sql – LogParser script, it groups traffic by virtual servers/direction/protocol
query2.sql – LogParser script, it calculates traffic (in MB) and filters it by protocol (TCP/IP)
chart.js – settings for the chart generation
header.tsv – field names for query1.sql script

Step 1. Open main.bat with Notepad and change the following settings if needed:

SET size_bw=500
(Traffic usage amount in MB. A virtual server will be included to the chart if its bandwidth (TCP/IP in this particular case) usage exceeds this amount.)

SET path_to_charts=C:\charts-bwhyperv
(The charts will be created in this folder)

SET path_to_logs=C:\Program Files\BwHyperV\logs\
(The folder with log files to be parsed)

SET yy=11
(Current year (2 last digits only). It is used to name the files.)

Step 2. Now create a Windows Sheduler task like we did in **Batch file, PARSERCMD.EXE tool, Windows 2008 scheduler** paragraph. And every day you will get the bandwidth usage report for those servers using more than 500 MB of TCP/IP traffic.

Below you can see an example of the resulting chart:

