

SS64

CMD >

How-to >

Search

## LOGMAN.exe

Manage Performance Monitor & performance logs from the command line.

### Syntax

Logman [create | query | start | stop | delete | update | import | export] [*options*]

### Verbs:

create	Create a new data collector.
query	Query data collector properties. If no <i>name</i> is given all data collectors are listed.
start	Start an existing data collector and set the begin time to manual.
stop	Stop an existing data collector and set the end time to manual.
delete	Delete an existing data collector.
update	Update an existing data collector's properties.
import	Import a data collector set from an XML file.
export	Export a data collector set to an XML file.

### Adverbs:

counter	Create a counter data collector.
trace	Create a trace data collector.
alert	Create an alert.
cfg	Create a configuration.
providers	Show registered providers.

### Options (counter):

**-c** *path* [*path* [...]]  
**-cf** *filename*  
**-f** {*bin*|*bincirc*|*csv*|*tsv*|*so*...}  
**-sc** *value*  
**-si** [[*hh*:]*mm*:]*ss*

The **perfmon** command.  
To collect performance data.  
File list.  
The log file.  
you must specify a file.  
The default is **perfmon**.  
Maximum sample interval.  
Sample interval.

### Options (trace):

**-f** {*bin*|*bincirc*|*csv*|*tsv*|*so*...}  
**-mode** *trace\_mode*  
**-ct** {*perf*|*system*|*cycle*}  
**-ln** *logger\_name*  
**-ft** [[*hh*:]*mm*:]*ss*  
**-[-]p** *provider* [*flags* [*level*]]  
**-pf** *filename*  
**-[-]rt**  
**-[-]ul**  
**-bs** *value*  
**-nb** *min max*

The log file.  
you must specify a file.  
The default is **perfmon**.  
Event Trace Session name.  
The clock.  
each event.  
Logger name.  
Event Trace Session file.  
A single event.  
The term **perfmon**.  
Run the Event Trace Session.  
Run the Event Trace Session in user mode.  
Event Trace Session buffer size in kb.  
Number of Event Trace Session buffers.

### Options (alert):

**-[-]el**  
**-th** *threshold* [*threshold* [...]]  
**-[-]rdcs** *name*  
**-[-]tn** *task*  
**-[-]targ** *argument*  
**-si** [[*hh*:]*mm*:]*ss*

Enable/Disable event log reporting.  
Specify counters and a threshold values for an alert.  
Data collector set to start when alert fires.  
Scheduled Task to run when alert fires.  
Scheduled Task arguments.  
Sample interval for performance counter data collectors.

### Options (cfg):

**-[-]ni**  
**-reg** *path* [*path* [...]]  
**-mgt** *query* [*query* [...]]  
**-ftc** *path* [*path* [...]]


Enable/Disable network interface query.  
Registry values to collect.  
WMI objects to collect.  
Full path to the files to collect.

### Options:


**-?**  
**-s** *computer*  
**-config** *filename*  
**[-n]** *name*  
**-pid** *pid*

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[Manage options](#)

-xml <i>filename</i>	Name of the XML file to import or export.
-as	Perform the requested operation asynchronously.
-[-]u <i>user</i> [ <i>password</i> ]	User to Run As. Entering a * for the password produces a prompt The interactive password is not displayed on screen.
-m [ <i>start</i> ] [ <i>stop</i> ]	Change to manual start or stop instead of a scheduled begin or end time.
-rf [[ <i>hh:</i> ] <i>mm:</i> ] <i>ss</i>	Run the data collector for the specified period of time.
-b <i>dd/MM/yyyy HH:mm:ss</i> [AM PM]	Begin the data collector at specified time.
-e <i>dd/MM/yyyy HH:mm:ss</i> [AM PM]	End the data collector at specified time.
-[-]r	Repeat the data collector daily at the specified begin and end times.
-o { <i>path</i>  dsn!log}	Path of the output log file or the DSN and log set name in a SQL database. The default path is '%systemdrive%\PerfLogs\Admin'.
-[-]a	Append to an existing log file.
-[-]ow	Overwrite an existing log file.
-[-]v { <i>nnnnnn</i>   <i>mmddhhmm</i> }	Attach file versioning information to the end of the log name.
-[-]rc <i>task</i>	Run the command specified each time the log is closed.
-[-]max <i>value</i>	Maximum log file size in MB or number of records for SQL logs.
-[-]cnf [[ <i>hh:</i> ] <i>mm:</i> ] <i>ss</i>	Create a new file when the specified time has elapsed or when the max size is exceeded.
-y	Answer yes to all questions without prompting.
-fd	Flush all the active buffers of an existing Event Trace Session to disk.
-ets	Send commands to Event Trace Sessions directly without saving or scheduling.

Note: Where [-] is listed, an extra - negates the option. For example --u turns off the -u option.

Examples

Create a counter to Log the % Processor Time

```
C:\> set _mycounters="\Processor(_Total)\% Processor Time"
C:\> set _mylogfile=C:\docs\ss64_log.txt
C:\> Logman.exe create counter _mycounters% -o %_mylogfile%
```

Start the counter running (and then run the command below)

```
C:\> Logman.exe start ss64
```

Stop the counter:

```
C:\> Logman.exe stop ss64
The above creates a file like C:\docs\ss64_log.txt
```

To convert this to text/CSV format:

```
C:\> relog C:\docs\ss64_log.txt
```

We can now delete the counter (unless you want to keep it)

```
C:\> Logman.exe delete ss64
```

Run a scheduled task if % Processor Time > 50%

```
C:\> Logman.exe create alert new_alert -th "\Processor(_Total)\% Processor Time>50" -tn "demo_task"
```

More examples:

```
logman start perf_log
logman update perf_log -si 10 -f csv -v mmddhhmm

logman create counter perf_log -c "\Processor(_Total)\% Processor Time"
logman create counter perf_log -c "\Processor(_Total)\% Processor Time" -max 10 -rf 01:00

logman create trace trace_log -nb 16 256 -bs 64 -o c:\logfile

logman create alert new_alert -th "\Processor(_Total)\% Processor Time>50"

logman create cfg cfg_log -reg "HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\\"
logman create cfg cfg_log -mgt "root\cimv2:SELECT * FROM Win32_OperatingSystem"

logman query providers
logman query providers Microsoft-Windows-Diagnostics-Networking

logman start process_trace -p Microsoft-Windows-Kernel-Process 0x10 win:Informational -ets
logman start process_trace -p Microsoft-Windows-Kernel-Process -mode newfile -max 1 -o output%d.etl -ets

logman start usermode_trace -p "Service Control Manager Trace" -ul -ets
logman query usermode_trace -p "Service Control Manager Trace" -ul -ets
logman stop usermode_trace -p "Service Control Manager Trace" -ul -ets
```

```
logman start "NT Kernel Logger" -o log.etl -ets
logman start "NT Kernel Logger" -p "Windows Kernel Trace" (process,thread) -ets
```

“Painting is just another way of keeping a diary” ~ Pablo Picasso

Related commands

- Microsoft Help page
- LODCTR - Load PerfMon performance counters.
- SYSMON - Monitor and log system activity to the Windows event log.
- TypePerf - Write performance data to a log file.
- EVENTCREATE - Add a message to the Windows event log.
- Equivalent PowerShell: [New-Object](#) System.Diagnostics.PerformanceCounter.



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