PsList v1.4

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In this article

By Mark Russinovich

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Introduction

Parameter	Description
pslist exp	would show statistics for all the processes that start with "exp", which would include Explorer.
-d	Show thread detail.
-m	Show memory detail.
-x	Show processes, memory information and threads.
-t	Show process tree.
-s [n]	Run in task-manager mode, for optional seconds specified. Press Escape to abort.
-r n	Task-manager mode refresh rate in seconds (default is 1).
\\computer	Instead of showing process information for the local system, *PsList* will show information for the NT/Win2K system specified. Include the -u switch with a username and password to login to the remote system if your security credentials do not permit you to obtain performance counter information from the remote system.
-u	username If you want to kill a process on a remote system and the account you are executing in does not have administrative privileges on the remote system then you must login as an administrator using this command-line option. If you do not include the password with the -p option then *PsList* will prompt you for the password without echoing your input to the display.

Parameter	Description
-p	password This option lets you specify the login password on the command line so that you can use *PsList* from batch files. If you specify an account name and omit the -p option *PsList* prompts you interactively for a password.
name	Show information about processes that begin with the name specified.
-e	Exact match the process name.
pid	Instead of listing all the running processes in the system, this parameter narrows *PsList's* scan to the process that has the specified PID. Thus: **pslist 53** would dump statistics for the process with the PID 53.

How it Works

Like Windows NT/2K's built-in PerfMon monitoring tool, *PsList* uses the Windows NT/2K performance counters to obtain the information it displays. You can find documentation for Windows NT/2K performance counters, including the source code to Windows NT's built-in performance monitor, PerfMon, in MSDN.

Memory Abbreviation Key

All memory values are displayed in KB.

- **Pri**: Priority
- **Thd**: Number of Threads
- **Hnd**: Number of Handles
- **VM**: Virtual Memory
- **WS**: Working Set
- **Priv**: Private Virtual Memory
- **Priv Pk**: Private Virtual Memory Peak
- **Faults**: Page Faults
- **NonP**: Non-Paged Pool
- **Page**: Paged Pool
- **Cswtch**: Context Switches

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PsTools

PsList is part of a growing kit of Sysinternals command-line tools that aid in the adminstration of local and remote systems named *PsTools*.

Runs on:

- Client: Windows Vista and higher.
- Server: Windows Server 2008 and higher.