

win32ps

Introduction

The win32ps extension is a Windows specific extension that allows PHP retrieve statistics about process and memory utilization.

Installing/Configuring

Requirements

Windows NT, Windows 2000, Windows XP or Windows Server 2003. Any version of Windows derived from Windows NT should be compatible.

Installation

Installing from PECL

1. You can download php_win32ps.dll from [» pecl4win.php.net](http://pecl4win.php.net).
2. Copy the php_win32ps.dll into your [extension_dir](#).
3. Load the extension from your *php.ini*
`extension=php_win32ps.dll`

Runtime Configuration

This extension has no configuration directives defined in *php.ini*.

Resource Types

This extension has no resource types defined.

Predefined Constants

This extension has no constants defined.

Examples

Example #1 - Statistics about the current PHP process

```
<?php
print_r(win32_ps_stat_proc());
/*
    Array
    (
        [pid] => 936
        [exe] => D:\Daten\Source\php-5.1\Debug_TS\php.exe
        [mem] => Array
            (
                [page_fault_count] => 2062
                [peak_working_set_size] => 8396800
                [working_set_size] => 8396800
                [quota_peak_paged_pool_usage] => 32080
                [quota_paged_pool_usage] => 31876
                [quota_peak_non_paged_pool_usage] => 4240
                [quota_non_paged_pool_usage] => 3888
                [pagefile_usage] => 5865472
                [peak_pagefile_usage] => 5865472
            )

        [tms] => Array
            (
                [created] => 0.093
                [kernel] => 0.015
                [user] => 0.062
            )

    )
*/
?>
```

Example #2 - Statistics about global memory utilization

```
<?php
print_r(win32_ps_stat_mem());
/*
    Array
    (
        [load] => 37
        [unit] => 1024
        [total_phys] => 1048096
        [avail_phys] => 649960
        [total_pagefile] => 2521368
        [avail_pagefile] => 2237940
        [total_virtual] => 2097024
    )
*/
?>
```

```
        [avail_virtual] => 2057848
    )
*/
?>
```

win32ps Functions

win32_ps_list_procs

win32_ps_list_procs -- List running processes

Description

array **win32_ps_list_procs** (void)

Retrieves statistics about all running processes.

Return Values

Returns **FALSE** on failure, or an array consisting of process statistics like [win32_ps_stat_proc\(\)](#) returns for all running processes on success.

See Also

- [win32_ps_stat_proc\(\)](#)

win32_ps_stat_mem

win32_ps_stat_mem -- Stat memory utilization

Description

array **win32_ps_stat_mem** (void)

Retrieves statistics about the global memory utilization.

Return Values

Returns **FALSE** on failure, or an array consisting of the following information on success:

load

The current memory load in percent of physical memory.

unit

This is always 1024, and indicates that the following values are the count of 1024 bytes.

total_phys

The amount of total physical memory.

avail_phys

The amount of still available physical memory.

total_pagefile

The amount of total pageable memory (physical memory + paging file).

avail_pagefile

The amount of still available pageable memory (physical memory + paging file).

total_virtual

The amount of total virtual memory for a process.

avail_virtual

The amount of still available virtual memory for a process.

win32_ps_stat_proc

win32_ps_stat_proc -- Stat process

Description

array **win32_ps_stat_proc** ([int \$pid])

Retrieves statistics about the process with the process id *pid*.

Parameters

pid

The process id of the process to stat. If omitted, the id of the current process.

Return Values

Returns **FALSE** on failure, or an array consisting of the following information on success:

pid

The process id.

exe

The path to the executable image.

mem

An array containing information about the following memory utilization indicators:

page_fault_count, *peak_working_set_size*, *working_set_size*,
quota_peak_paged_pool_usage, *quota_paged_pool_usage*,
quota_peak_non_paged_pool_usage, *quota_non_paged_pool_usage*, *pagefile_usage*
and *peak_pagefile_usage*.

tms

An array containing information about the following CPU time utilization indicators:

created, *kernel* and *user*.

See Also

- [win32_ps_list_procs\(\)](#)