

# Resource Usage

## SYSTEMINFO

You can cheat and use good old SYSTEMINFO from any command line. This will give you fairly comprehensive system information.

```
systeminfo
```

## Memory Usage

Again you can cheat, use SYSTEMINFO and filter the output:

```
systeminfo | Select-String 'Memory:'
```

The code snippet below will work with PowerShell 3.0 and newer

```
if ([Environment]::Is64BitOperatingSystem) {  
    #64 bit logic here  
    get-process | Group-Object -Property ProcessName |  
    % {  
        [PSCustomObject]@{  
            ProcessName = $_.Name  
            Mem_MB = [math]::Round((($_.Group|Measure-Object WorkingSet64 -Sum).Sum / 1MB, 0)  
            ProcessCount = $_.Count  
        }  
    } | sort -desc Mem_MB | Select-Object -First 25  
} else {
```

```
#32 bit logic here
get-process | Group-Object -Property ProcessName |
% {
    [PSCustomObject]@{
        ProcessName = $_.Name
        Mem_MB = [math]::Round((($_.Group|Measure-Object WorkingSet -Sum).Sum / 1MB, 0)
        ProcessCount = $_.Count
    }
} | sort -desc Mem_MB | Select-Object -First 25
}
```

The code below will execute on Windows 7 and newer.

```
if ((Get-WmiObject win32_operatingsystem | select osarchitecture).osarchitecture -eq "64-bit") {
    #64 bit logic here
    get-process | Group-Object -Property ProcessName |
    % {
        [PSCustomObject]@{
            ProcessName = $_.Name
            Mem_MB = [math]::Round((($_.Group|Measure-Object WorkingSet64 -Sum).Sum / 1MB, 0)
            ProcessCount = $_.Count
        }
    } | sort -desc Mem_MB | Select-Object -First 25
} else {
    #32 bit logic here
    get-process | Group-Object -Property ProcessName |
    % {
        [PSCustomObject]@{
            ProcessName = $_.Name
            Mem_MB = [math]::Round((($_.Group|Measure-Object WorkingSet -Sum).Sum / 1MB, 0)
            ProcessCount = $_.Count
        }
    } | sort -desc Mem_MB | Select-Object -First 25
}
```

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