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# GET-PHYSICALMEMORY

23/10/2018 by [STEPHANOS](#) — [LEAVE A COMMENT](#)

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## Description

Get-PhysicalMemory will provide you the information about a physical memory device located on a computer system and available to the operating system.

**Note:** You need to install SysInfo module in order for this cmdlet to be available. For more information, see [PowerShell Module SysInfo](#).

Syntax:

### Get-PhysicalMemory

```
[[ -ComputerName] <String[]>]
[[ -Protocol] <String>]
[[ -Properties] <String[]>]
[<CommonParameters>]
```

## Requirements

- SysInfo PowerShell Module
- WinRM Enabled and PowerShell 3.0 (only if you use WinRM protocol)

If you want to find more about the specific cmdlet while you are in PowerShell you can use the below to get the help file.

Code:

```
Get-Help Get-PhysicalMemory
```

Output:

```
PS C:\Windows> Get-Help Get-PhysicalMemory

NAME
    Get-PhysicalMemory

SYNOPSIS
    Gets the information about a physical memory device located on a
    computer system and available to the operating system.

SYNTAX
    Get-PhysicalMemory [[-ComputerName] <String[]>] [[-Protocol] <String>] [[-Properties] <String[]>] [<CommonParameters>]

DESCRIPTION
    Gets the information about a physical memory device located on a
    computer system and available to the operating system and converts
    all codes in results into human readable format.

RELATED LINKS
    https://www.sconstantinou.com/get-physicalmemory

REMARKS
    To see the examples, type: "get-help Get-PhysicalMemory -examples".
    For more information, type: "get-help Get-PhysicalMemory -detailed".
    For technical information, type: "get-help Get-PhysicalMemory -full".
    For online help, type: "get-help Get-PhysicalMemory -online"
```

Now lets see few examples about **Get-PhysicalMemory**.

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## Examples

### Example 1

This command gets the information from local system.

```
PS C:\> Get-PhysicalMemory
```

```
Name           : Physical Memory
PartNumber      : KHX1600C9D3/8GX
SerialNumber    : 6C107673
Speed           : 1333
DeviceLocator   : DIMM1
Manufacturer    : Kingston
```

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Name : Physical Memory  
PartNumber : KHX1600C9D3/8GX  
SerialNumber : 65107E73  
Speed : 1333  
DeviceLocator : DIMM3  
Manufacturer : Kingston  
Tag : Physical Memory 1  
SystemName :

## Example 2

This command gets the information from Server1.

```
PS C:\> Get-PhysicalMemory -ComputerName Server1
```

## Example 3

This command gets the information from remote system with IP 192.168.0.5.

```
PS C:\> Get-PhysicalMemory -ComputerName "192.168.0.5"
```

## Example 4

This command gets the information from Server1, Server2 and Server3.

```
PS C:\> Get-PhysicalMemory -ComputerName Server1,Server2,Serve
```



## Example 5

This command gets the information from Server1 and will output only Name and Status Properties.

```
PS C:\> Get-PhysicalMemory -ComputerName Server1 -Properties Name,Status
```

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This command gets the information from Server1 and will output all properties.

```
PS C:\> Get-PhysicalMemory -ComputerName Server1 -Properties *
```

### Example 7

This command gets the information from Server1.

```
PS C:\> "Server1" | Get-PhysicalMemory
```

### Example 8

This command gets the information from Server1 using DCOM protocol.

```
PS C:\> Get-PhysicalMemory -ComputerName Server1 -Protocol DCOM
```

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## Optional Parameters

- **-ComputerName**
  - Description: Specifies the computer names or IP Addresses of the systems that we want to get the information from.
  - Required: False
  - Position: 1
  - Default value: None
  - Accept pipeline input: True (ByValue)
  - Accept wildcard characters: False
- **-Protocol**
  - Description: Specifies the protocol that will be used to get the information from the remote system.
  - Accepted Values: DCOM or WinRM
  - Required: False

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- Accept wildcard characters: False
- **-Properties**
  - Description: Specifies the object properties that appear in the display and the order in which they appear. Wildcards are permitted.
  - Required: False
  - Position: 3
  - Default value
  - Accept pipeline input: False
  - Accept wildcard characters: True

## Inputs

System.Array.

Get-PhysicalMemory can accept a string value to determine the ComputerName parameter.

## Outputs

System.Object.

Get-PhysicalMemory returns an object containing all the information that has been retrieved.

[adinsenter name="In Article"]

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## Summary

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```
PS C:\Windows> Get-Help Get-PhysicalMemory
NAME
    Get-PhysicalMemory
SYNOPSIS
    Gets the information about a physical memory device located on a
    computer and how it is used by the operating system.
PARAMETERS
    Get-PhysicalMemory [-ComputerName] <string> [-OutputObject] <Property> <string> [-Confirm] <boolean>
DESCRIPTION
    Gets the information about a physical memory device located on a
    computer and how it is used by the operating system and returns
    all results in results table format.
RELATED LINKS
    https://www.microsoft.com/en-us/windows/physicalmemory
NOTES
    To see the examples, type: "Get-Help Get-PhysicalMemory -examples".
    For more information, type: "Get-Help Get-PhysicalMemory -detailed".
    For additional information, type: "Get-Help Get-PhysicalMemory -full".
    For online help, type: "Get-Help Get-PhysicalMemory -online".
```

**Article Name** Get-PhysicalMemory

**Description** Get-PhysicalMemory. Here you will find information about Get-PhysicalMemory and its use.  
Stephanos Constantinou Blog - PowerShell Scripting

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