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# GET-PHYSICALMEMORYARRAY

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

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## Description

Get-PhysicalMemoryArray will provide you the information about the computer system physical memory.

Output includes the number of memory devices, memory capacity available, and memory type.

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

Syntax:

```
Get-PhysicalMemoryArray
    [[-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-PhysicalMemoryArray
```

Output:

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

NAME
    Get-PhysicalMemoryArray

SYNOPSIS
    Gets the details about the computer system physical memory.

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

DESCRIPTION
    Gets the details about the computer system physical memory and
    converts all codes in results into human readable format.
    Output includes the number of memory devices, memory capacity
    available, and memory type

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

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

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

[adinsrter name="In Article"]

## Examples

### Example 1

This command gets the information from local system.

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

```
Name           : Physical Memory Array
MemoryDevices  : 2
MaxCapacity    : 16777216
Model          :
Tag            : Physical Memory Array 0
```

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

### Example 3

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

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

### Example 4

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

```
PS C:\> Get-PhysicalMemoryArray -ComputerName Server1,Server2,Server3
```

### Example 5

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

```
PS C:\> Get-PhysicalMemoryArray -ComputerName Server1 -Property Name,Status
```

### Example 6

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

```
PS C:\> Get-PhysicalMemoryArray -ComputerName Server1 -Property *
```

### Example 7

This command gets the information from Server1.

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

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```
PS C:\> Get-PhysicalMemoryArray -ComputerName Server1 -Protoco
```

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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
  - Position: 2
  - Default value: None
  - Accept pipeline input: False
  - 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

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

## Outputs

System.Object.

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

[adinsrter name="In Article"]

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## Summary

```

PS C:\Program Files\Win32\PhysicalMemoryArray>
Get-PhysicalMemoryArray

NAME
----
Get-PhysicalMemoryArray

SYNOPSIS
Gets the details about the computer system physical memory.

PARAMETERS
-ComputerName <String> [[<Hostname>] <String>] [[<Properties>] <String>] [-Credential <Credential>]

DESCRIPTION
Gets the details about the computer system physical memory and
returns all details to display from the PhysicalMemoryArray.
Returns the details of memory devices, memory capacity,
available, and memory type.

RELATED LINKS
- https://www.microsoft.com/technet/windows/Win32/PhysicalMemoryArray.aspx

EXAMPLES
To use the cmdlet, type: "Get-PhysicalMemoryArray -ComputerName <ComputerName>".
For technical information, type: "Get-PhysicalMemoryArray -Help".
For online help, type: "Get-PhysicalMemoryArray -OnlineHelp".
    
```

**Article Name** Get-PhysicalMemoryArray

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

**Author** Stephanos

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