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# GET-MEMORYDEVICE

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

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## Description

Get-MemoryArray will provide you the information about the properties of a computer system memory device and its associated mapped addresses.

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

Syntax:

### Get-MemoryDevice

```
[[ -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-MemoryDevice
```

Output:

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

NAME
    Get-MemoryDevice

SYNOPSIS
    Gets the properties of a computer system memory device and
    its associated mapped addresses.

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

DESCRIPTION
    Gets the properties of a computer system memory device and
    its associated mapped addresses and converts all codes in
    results into human readable format.

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

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

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

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## Examples

### Example 1

This command gets the information from local system.

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

```
DeviceID      : Memory Device 0
Name          : Memory Device
StartingAddress : 0
EndingAddress  : 8388607
SystemName    : LOCALPC
```

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EndingAddress : 16777215  
SystemName : LOCALPC

## Example 2

This command gets the information from Server1.

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

## Example 3

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

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

## Example 4

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

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

## Example 5

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

```
PS C:\> Get-MemoryDevice -ComputerName Server1 -Properties Name
```

## Example 6

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

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

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

## Example 8

This command gets the information from Server1 using DCOM protocol.

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

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- Accept wildcard characters: True

## Inputs

System.Array.

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

## Outputs

System.Object.

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

[adinsenter name="In Article"]

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- PowerShell Module SysInfo

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## Summary

```
PS C:\Windows> Get-Help Get-MemoryDevice
NAME
    Get-MemoryDevice
SYNOPSIS
    Gets the properties of a computer system memory device and
    its associated mapped addresses.
DETAILS
    Get-MemoryDevice [[-ComputerName] <string>] [-Property] <string> [-] <ComputerName>
DESCRIPTION
    Gets the properties of a computer system memory device and
    its associated mapped addresses and converts all codes in
    hex to the human readable format.
RELATED LINKS
    https://www.sconstantinou.com/get-memorydevice
EXAMPLES
    Get-MemoryDevice -ComputerName "localhost" Get-MemoryDevice -ComputerName "10.10.10.10"
    Get-MemoryDevice -Property "Name" Get-MemoryDevice -Property "Name" -ComputerName "10.10.10.10"
    For online help, type: "Get-Help Get-MemoryDevice -online"
```

**Article Name** Get-MemoryDevice

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

**Author** Stephanos

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