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GET-MEMORYARRAY

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

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Description

Get-MemoryArray will provide you the information about the properties of the computer system memory array and 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-MemoryArray

```
[[ -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-MemoryArray
```

Output:

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

NAME
    Get-MemoryArray

SYNOPSIS
    Gets the properties of the computer system memory array and mapped addresses.

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

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

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

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

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

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Examples

Example 1

This command gets the information from local system.

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

```
DeviceID           : Memory Array 0
Name               : Memory Array
StartingAddress    : 0
EndingAddress      : 16777215
SystemName         : LOCALPC
```

Example 2

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

Example 3

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

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

Example 4

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

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

Example 5

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

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



Example 6

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

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

Example 7

This command gets the information from Server1.

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

Example 8

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```
PS C:\> Get-MemoryArray -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
 - Position: 3
 - Default value
 - Accept pipeline input: False
 - Accept wildcard characters: True

Inputs

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

Outputs

System.Object.

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

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Summary

```
PS C:\Windows> Get-Help Get-MemoryArray
NAME
    Get-MemoryArray

SYNOPSIS
    Gets the properties of the computer system memory array and
    related information.

SYNTAX
    Get-MemoryArray [[ComputerName] <string>] [[Protocol] <string>] [[Property] <string>] [-ComputerSystem]

DESCRIPTION
    Gets the properties of the computer system memory array and
    related information and returns all results in results table.
    Related information.

RELATED LINKS
    https://www.constantinos.com/get-memoryarray

EXAMPLES
    To get the properties of the computer system memory array,
    use the following command:
    Get-MemoryArray
    For online help, type: "Get-Help Get-MemoryArray -online"
```

Article Name Get-MemoryArray

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

Author Stephanos

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