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GET-NETWORKADAPTER

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

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Description

Get-NetworkAdapter will provide you the information about a network adapter of a computer running a Windows 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-NetworkAdapter

```
[[ -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-NetworkAdapter

Output:

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

NAME
    Get-NetworkAdapter

SYNOPSIS
    Gets the information about a network adapter of a computer
    running a Windows operating system.

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

DESCRIPTION
    Gets the information about a network adapter of a computer
    running a Windows operating system and converts all
    codes in results into human readable format. Get-NetworkAdapter
    only supplies IPv4 data.

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

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

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

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Examples

Example 1

This command gets the information from local system.

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

```
DeviceID      : 0
Name          : Realtek PCIe GBE Family Controller
AdapterType   : Ethernet 802.3
ServiceName   : RTL8168
SystemName    : LOCALPC
```

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ServiceName : kdnic
SystemName : LOCALPC

DeviceID : 2
Name : VMware Virtual Ethernet Adapter for VMnet1
AdapterType : Ethernet 802.3
ServiceName : VMnetAdapter
SystemName : LOCALPC

DeviceID : 3
Name : Microsoft ISATAP Adapter #2
AdapterType : Tunnel
ServiceName : tunnel
SystemName : LOCALPC

DeviceID : 4
Name : VMware Virtual Ethernet Adapter for VMnet8
AdapterType : Ethernet 802.3
ServiceName : VMnetAdapter
SystemName : LOCALPC

DeviceID : 5
Name : Microsoft ISATAP Adapter #3
AdapterType : Tunnel
ServiceName : tunnel
SystemName : LOCALPC

DeviceID : 7
Name : Microsoft ISATAP Adapter #4
AdapterType : Tunnel
ServiceName : tunnel
SystemName : LOCALPC

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

Example 3


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

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

Example 4

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

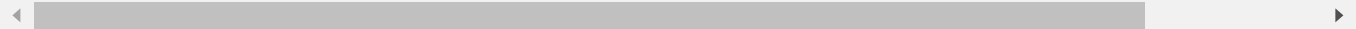
```
PS C:\> Get-NetworkAdapter -ComputerName Server1,Server2,Serve
```



Example 5

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

```
PS C:\> Get-NetworkAdapter -ComputerName Server1 -Properties N
```



Example 6

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

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

Example 7

This command gets the information from Server1.

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

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

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

Outputs

System.Object.

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

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Summary

```
PC > WinBoxer -get-help Get-NetNetworkAdapter
```

```
Name
-----
Get-NetNetworkAdapter

SYNOPSIS
Gets the information about a network adapter of a computer
running a Windows operating system.

SYNTAX
Get-NetNetworkAdapter [-ComputerName] <string> [[-IfIndex] <string>] [-InterfaceName] <string> [[-DevicePath] <string>]]

EXAMPLES
EXAMPLE 1
Gets the information about a network adapter of a computer
running a Windows operating system and connects all
connections to it.
C:\PS> Get-NetNetworkAdapter -ifindex 0 | Set-NetNetworkAdapter
-ethernet 100mbps -speed 100mbps
```

```
RELATED LINKS
WinBoxer\WinBoxer.exe, win-boxer-get-networkadapter
```

```
REMARKS
This command uses the following syntax:
```

```
For use as a parameter, type: get-help Get-NetNetworkAdapter -syntax
For technical information, type: get-help Get-NetNetworkAdapter -full
For online help, type: http://www.microsoft.com/windows/win7help/en-us/default.aspx
For online help, type: http://help.get-net-networkadapter-win7.html
```

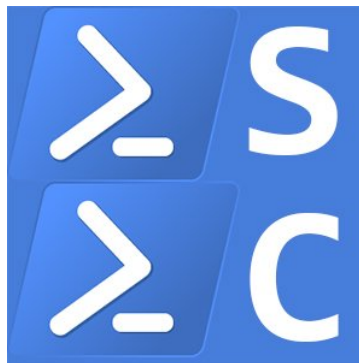
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Description	Get-NetworkAdapter. Here you will find information about Get-NetworkAdapter and its use. Stephanos Constantinou Blog - PowerShell Scripting
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