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GET-NETWORKADAPTERCONFIGURATION

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

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Description

Get-NetworkAdapterConfiguration will provide you the information about the attributes and behaviors of a network adapter.

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

Syntax:

Get-NetworkAdapterConfiguration

```
[[ -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-NetworkAdapterConfiguration
```

Output:

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

NAME
    Get-NetworkAdapterConfiguration

SYNOPSIS
    Gets the attributes and behaviors of a network adapter.

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

DESCRIPTION
    Gets the attributes and behaviors of a network adapter
    and converts all codes in results into human readable format.
    Get-NetworkAdapterConfiguration includes extra properties that
    are related to the management of the TCP/IP protocol and are
    independent from the network adapter.

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

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

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

[adinsserter name="In Article"]

Examples

Example 1

This command gets the information from local system.

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

```
ServiceName : RTL8168
DHCPEnabled : False
Index       : 0
Description : Realtek PCIe GBE Family Controller
SystemName  :
```

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SystemName :

ServiceName : VMnetAdapter

DHCPEnabled : False

Index : 2

Description : VMware Virtual Ethernet Adapter for VMnet1

SystemName :

ServiceName : tunnel

DHCPEnabled : False

Index : 3

Description : Microsoft ISATAP Adapter

SystemName :

ServiceName : VMnetAdapter

DHCPEnabled : False

Index : 4

Description : VMware Virtual Ethernet Adapter for VMnet8

SystemName :

ServiceName : tunnel

DHCPEnabled : False

Index : 5

Description : Microsoft ISATAP Adapter

SystemName :

ServiceName : tunnel

DHCPEnabled : False

Index : 7

Description : Microsoft ISATAP Adapter

SystemName :

Example 2

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

Example 3

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

```
PS C:\> Get-NetworkAdapterConfiguration -ComputerName "192.168
```



Example 4

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

```
PS C:\> Get-NetworkAdapterConfiguration -ComputerName Server1, S
```



Example 5

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

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



Example 6

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

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



Example 7

This command gets the information from Server1.

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

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This command gets the information from Server1 using DCOM protocol.

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

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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

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System.Array.

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

Outputs

System.Object.

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

[adinsenter name="In Article"]

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Summary

```
PS C:\> Get-NetAdapterConfiguration
Name:
Get-NetAdapterConfiguration
Description:
Returns the configuration and status of a network adapter.
Syntax:
Get-NetAdapterConfiguration [-ComputerName] <string> [-Interface] <string> [-DisplayError]
Parameters:
-ComputerName <string>
The computer name to use for the command.
-Interface <string>
The name of the network adapter.
-DisplayError <boolean>
Whether to display the error message.
Examples:
1. Get the configuration and status of the network adapter.
PS C:\> Get-NetAdapterConfiguration
Name:
Get-NetAdapterConfiguration
Description:
Returns the configuration and status of a network adapter.
Syntax:
Get-NetAdapterConfiguration [-ComputerName] <string> [-Interface] <string> [-DisplayError]
Parameters:
-ComputerName <string>
The computer name to use for the command.
-Interface <string>
The name of the network adapter.
-DisplayError <boolean>
Whether to display the error message.
```

Article Name Get-NetAdapterConfiguration

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

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