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# GET-PROCESSOR

24/10/2018 by [STEPHANOS](#) – [LEAVE A COMMENT](#)

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## Description

Get-Processor will provide you the information about a device that can interpret a sequence of instructions on a computer running on 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-Processor

```
[[ -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-Processor**

Output:

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

NAME
    Get-Processor

SYNOPSIS
    Gets the information about a device that can interpret a sequence
    of instructions on a computer running on a Windows operating system.

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

DESCRIPTION
    Gets the information about a device that can interpret a sequence
    of instructions on a computer running on a Windows operating system
    and converts all codes in results into human readable format.

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

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

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

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## Examples

### Example 1

This command gets the information from local system.

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

```
DeviceID           : CPU0
Name                : Intel(R) Core(TM) i5-3470 CPU @ 3.20GHz
Caption            : Intel64 Family 6 Model 58 Stepping 9
MaxClockSpeed      : 3201
SocketDesignation  : SOCKET 0
```

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This command gets the information from Server1.

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

```
DeviceID           : CPU0
Name               : Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz
Caption           : Intel64 Family 6 Model 79 Stepping 1
MaxClockSpeed     : 2300
SocketDesignation : None
Manufacturer      : GenuineIntel
SystemName        : Server1
```

### Example 3

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

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

### Example 4

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

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

### Example 5

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

```
PS C:\> Get-Processor -ComputerName Server1 -Properties Name,S
```

### Example 6

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

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This command gets the information from Server1.

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

## Example 8

This command gets the information from Server1 using DCOM protocol.

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

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- Default value
- Accept pipeline input: False
- Accept wildcard characters: True

## Inputs

System.Array.

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

## Outputs

System.Object.

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

[adinsenter name="In Article"]

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## Summary

```
PS C:\Windows> Get-Module Get-Processor
Name
----
Get-Processor
SYNOPSIS
    Get-Processor
    Gets the information about a device that can interpret a sequence
    of instructions on a computer running on a Windows operating system.
SYNTAX
    Get-Processor [-ComputerName] <string> [-Protected] <string> [-Properties] <string> [-ComputerName]
DESCRIPTION
    Get-Processor
    Gets the information about a device that can interpret a sequence
    of instructions on a computer running on a Windows operating system
    and converts all codes to results into human readable format.
RELATED LINKS
    https://www.sconstantinou.com/get-processor
EXAMPLES
    To use the examples, type: "get-processor -examples".
    For more information, type: "get-processor -data-help".
    For technical information, type: "get-processor -full".
    For online help, type: "get-processor -online-help".
```

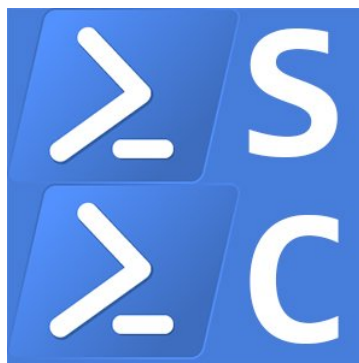
**Article Name** Get-Processor

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

**Author** Stephanos

**Publisher Name** Stephanos Constantinou Blog

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