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GET-OPERATINGSYSTEM

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

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Description

Get-OperatingSystem will provide you the information about a Windows-based operating system installed on a computer.

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

Syntax:

Get-OperatingSystem

```
[[ -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-OperatingSystem
```

Output:

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

NAME
    Get-OperatingSystem

SYNOPSIS
    Gets the information about a Windows-based operating system
    installed on a computer.

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

DESCRIPTION
    Gets the information about a Windows-based operating system
    installed on a computer and converts all codes in results
    into human readable format.

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

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

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

[adinserte name="In Article"]

Examples

Example 1

This command gets the information from local system.

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

Example 2

This command gets the information from Server1.

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

Example 3

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

Example 4

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

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

Example 5

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

```
PS C:\> Get-OperatingSystem -ComputerName Server1 -Properties Name,Status
```

Example 6

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

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

Example 7

This command gets the information from Server1.

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

Example 8

This command gets the information from Server1 using DCOM protocol.

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

System.Array.

Get-OperatingSystem can accept a string value to determine the

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System.Object.

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

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```
PS C:\Users\user> Get-OperatingSystem
Name:
Get-OperatingSystem
Description:
The information about a Windows-based operating system
is returned on a Windows...
Syntax:
Get-OperatingSystem [-ComputerName] <string> [-] [-Protocol] <string> [-] [-Property] <string> [-] [-ComputerSystem]
Description:
The information about a Windows-based operating system
is returned on a Windows-based system. All items in the list
are returned as a single...
Aliases:
Get-OS
Examples:
To see the example, type: "Get-OperatingSystem -Example".
For more information, type: "Get-OperatingSystem -Help".
For additional information, type: "Get-OperatingSystem -Help".
For more help, type: "Get-OperatingSystem -Help".
```

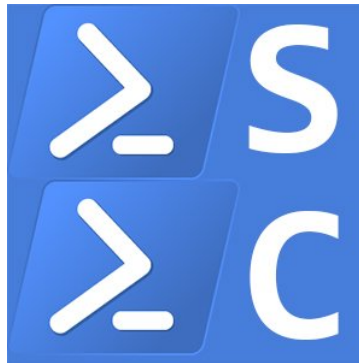
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Description Get-OperatingSystem. Here you will find information about Get-OperatingSystem and its use. Stephanos Constantinou Blog - PowerShell Scripting

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