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GET-BIOS

22/10/2018 by [STEPHANOS](#) — [LEAVE A COMMENT](#)

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Description

Get-BIOS will provide you the attributes of the computer system's basic input/output services (BIOS) that are 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-BIOS

```
[[-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-BIOS

Output:

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

NAME
    Get-BIOS

SYNOPSIS
    Gets the attributes of the computer system's basic input/output
    services (BIOS) that are installed on a computer.

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

DESCRIPTION
    Gets the attributes of the computer system's basic input/output
    services (BIOS) that are installed on a computer and converts
    all codes in results into human readable format.

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

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

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

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Examples

Example 1

This command gets the information from local system.

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

```
Name                : BIOS Date: 01/12/15 09:18:22 Ver: 8.19
Manufacturer        : AMI
SerialNumber         : CZC3389510
Version              : HPQOEM - 1072009
SMRTOSRTOSVersion    : 8 19
```

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This command gets the information from Server1.

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

```
Name           : Hyper-V UEFI Release v1.0
Manufacturer    : Microsoft Corporation
SerialNumber    : 1461-2386-4192-1239-7577-0637-33
Version         : VRTUAL - 1
SMBIOSBIOSVersion : Hyper-V UEFI Release v1.0
```

Example 3

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

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

```
Name           : Hyper-V UEFI Release v1.0
Manufacturer    : Microsoft Corporation
SerialNumber    : 1461-2386-4192-1239-7577-0637-33
Version         : VRTUAL - 1
SMBIOSBIOSVersion : Hyper-V UEFI Release v1.0
```

Example 4

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

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

```
Name           : Hyper-V UEFI Release v1.0
Manufacturer    : Microsoft Corporation
```

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```
Name           : Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz
Manufacturer   : American Megatrends Inc.
SerialNumber   : 5006-6831-4493-7660-7076-8132-31
Version        : VRTUAL - 5001223
SMBIOSBIOSVersion : 090006
```

```
Name           : Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz
Manufacturer   : American Megatrends Inc.
SerialNumber   : 6088-5468-9195-3426-4012-2476-12
Version        : VRTUAL - 5001223
SMBIOSBIOSVersion : 090006
```

Example 5

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

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

Name	Status
----	-----
Hyper-V UEFI Release v1.0	OK

Example 6

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

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

Caption	: Hyper-V UEFI Release v1.0
Description	: Hyper-V UEFI Release v1.0

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```
CodeSet :
IdentificationCode :
LanguageEdition :
Manufacturer : Microsoft Corporation

OtherTargetOS :
SerialNumber : 1461-2386-4192-1239-7577-0637-33
SoftwareElementID : Hyper-V UEFI Release v1.0
SoftwareElementState : Running
TargetOperatingSystem :
Version : VIRTUAL - 1
PrimaryBIOS : True
BiosCharacteristics : {BIOS Characteristics Not Supported, P
BIOSVersion : {VIRTUAL - 1, Hyper-V UEFI Release v1.0
CurrentLanguage :
InstallableLanguages :
ListOfLanguages :
ReleaseDate : 26/11/2012 02:00:00
SMBIOSBIOSVersion : Hyper-V UEFI Release v1.0
SMBIOSMajorVersion : 2
SMBIOSMinorVersion : 4
SMBIOSPresent : True
```

Example 7

This command gets the information from Server1.

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

```
Name : Hyper-V UEFI Release v1.0
Manufacturer : Microsoft Corporation
```

```
SerialNumber : 1461-2386-4192-1239-7577-0637-33
```

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Example 8

This command gets the information from Server1 using DCOM protocol.

```
Get-BIOS -ComputerName Server1 -Protocol DCOM
```

```
Name                : Hyper-V UEFI Release v1.0
Manufacturer        : Microsoft Corporation
SerialNumber         : 1461-2386-4192-1239-7577-0637-33
Version              : VIRTUAL - 1
SMBIOSBIOSVersion   : Hyper-V UEFI Release v1.0
```

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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

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

Outputs

System.Object.

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

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Summary

```
PS C:\Windows> get-help Get-BIOS
NAME
    Get-BIOS
SYNOPSIS
    Gets the attributes of the computer system's basic input/output
    services (BIOS) that are installed on a computer.
SYNTAX
    Get-BIOS [-ComputerName] <string> [[-Protocol] <string>] [[-Properties] <string>] [-CommonParameters]
DESCRIPTION
    Gets the attributes of the computer system's basic input/output
    services (BIOS) that are installed on a computer.
    All paths are relative to the user's profile.
RELATED LINKS
    https://www.sconstantinou.com/get-bios
EXAMPLES
    To see the examples, type: "get-help Get-BIOS -examples".
    For more information, type: "get-help Get-BIOS -help".
    For technical information, type: "get-help Get-BIOS -full".
    For online help, type: "get-help Get-BIOS -online".
```

Article Name Get-BIOS

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

Author Stephanos

Publisher Name Stephanos Constantinou Blog

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