



### ***Windows PowerShell Get-Help on Cmdlet 'Get-DnsClientServerAddress'***

***PS:\>Get-HELP Get-DnsClientServerAddress -Full***

#### **NAME**

Get-DnsClientServerAddress

#### **SYNOPSIS**

Gets DNS server IP addresses from the TCP/IP properties on an interface.

#### **SYNTAX**

```
Get-DnsClientServerAddress [[-InterfaceAlias] <String[]>] [-AddressFamily {IPv4 | IPv6}] [-AsJob] [-CimSession  
<CimSession[]>] [-InterfaceIndex <UInt32[]>]  
[-ThrottleLimit <Int32>] [<CommonParameters>]
```

#### **DESCRIPTION**

The Get-DnsClientServerAddress cmdlet gets one or more DNS server IP addresses associated with the interfaces on the computer.

#### **PARAMETERS**

-AddressFamily <AddressFamily[]>

Specifies the address family. The acceptable values for this parameter are: IPv4 or IPv6.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

#### `-AsJob [<SwitchParameter>]`

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job completes. To manage the job, use the ``*-Job`` cmdlets. To get the job results, use the `Receive-Job` (<https://go.microsoft.com/fwlink/?LinkID=113372>) cmdlet.

For more information about Windows PowerShell background jobs, see `about_Jobs` (<https://go.microsoft.com/fwlink/?LinkID=113251>).

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

#### `-CimSession <CimSession[]>`

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a `New-CimSession` (<https://go.microsoft.com/fwlink/p/?LinkId=227967>) or `[Get-CimSession]` (<https://go.microsoft.com/fwlink/p/?LinkId=227966>) cmdlet. The default is the current session on the local computer.

Required?	false
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Position?                named  
Default value            None  
Accept pipeline input?    False  
Accept wildcard characters? false

**-InterfaceAlias <String[]>**

Specifies the friendly name of the interface.

Required?                false  
Position?                0  
Default value            None  
Accept pipeline input?    False  
Accept wildcard characters? false

**-InterfaceIndex <UInt32[]>**

Specifies the index number of the interface.

Required?                false  
Position?                named  
Default value            None  
Accept pipeline input?    True (ByPropertyName, ByValue)  
Accept wildcard characters? false

**-ThrottleLimit <Int32>**

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit applies only to the current cmdlet, not to the session or to the computer.

Required?                false  
Position?                named  
Default value            None

Accept pipeline input? False

Accept wildcard characters? false

#### <CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about\\_CommonParameters](https://go.microsoft.com/fwlink/?LinkID=113216) (<https://go.microsoft.com/fwlink/?LinkID=113216>).

#### INPUTS

None

#### OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT\_DNSClient

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the pound sign (`#`) provides the namespace and class name for the underlying WMI object.

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT\_DNSClientServerAddress

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the pound sign (`#`) provides the namespace and class name for the underlying WMI object.

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT\_NetAdapter

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the pound sign (`#`) provides the namespace and class name for the underlying WMI object.

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT\_NetIPInterface

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

## NOTES

-- Example 1: Get DNS server IP addresses for all interfaces --

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

This example gets the DNS server IP addresses configured on all the interfaces on a computer.

Example 2: Get DNS server IP addresses for a specified interface

```
PS C:\> Get-DnsClientServerAddress -InterfaceAlias "Wired Ethernet Connection"
```

This example gets the DNS server IP addresses configured on the interface named Wired Ethernet Connection.

## RELATED LINKS

Online

Version:

[https://learn.microsoft.com/powershell/module/dnsclient/get-dnsclientserveraddress?view=windowsserver2022-ps&wt.mc\\_id=ps-gethelp](https://learn.microsoft.com/powershell/module/dnsclient/get-dnsclientserveraddress?view=windowsserver2022-ps&wt.mc_id=ps-gethelp)

Set-DnsClientServerAddress