



python



PowerShell

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PowerShell Get-Help on command 'Get-DnsClient'

PS C:\Users\wahid> Get-Help Get-DnsClient

NAME

Get-DnsClient

SYNOPSIS

Gets details of the network interfaces configured on a specified computer.

SYNTAX

```
Get-DnsClient [[-InterfaceAlias] <String[]>] [-AsJob] [-CimSession  
<CimSession[]>] [-ConnectionSpecificSuffix <String[]>] [-InterfaceIndex  
<UInt32[]>] [-RegisterThisConnectionsAddress <Boolean[]>] [-ThrottleLimit  
<Int32>] [-UseSuffixWhenRegistering <Boolean[]>] [<CommonParameters>]
```

DESCRIPTION

The Get-DnsClient cmdlet gets configuration details specific to the different network interfaces on a specified computer.

PARAMETERS

-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>).

-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.

-ConnectionSpecificSuffix <String[]>

Specifies the connection-specific suffixes that are to be appended. This parameter is a per-connection DNS suffix which will be appended to the computer name to construct a Fully Qualified Domain Name (FQDN). This FQDN will be used as the host name for name resolution by the DNS client.

-InterfaceAlias <String[]>

Specifies the friendly name of the interface.

-InterfaceIndex <UInt32[]>

Specifies the index number of the interface.

-RegisterThisConnectionsAddress <Boolean[]>

Specifies the registration policy for this interface.

This parameter indicates whether the computer should automatically register the IP address associated with this connection with the DNS server.

-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.

-UseSuffixWhenRegistering <Boolean[]>

Specifies the registration suffix policy for this interface.

This parameter indicates whether suffixes must be used while registering an IP address.

<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).

----- Example 1: Get the network interface configuration -----

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

This command gets configuration details of network interfaces on a computer.

-- Example 2: Set the DNS server IP addresses for a computer --

```
PS C:\> $dnsClient1 = Get-DnsClient -InterfaceAlias "Wired Ethernet Connection"
```

```
PS C:\> Set-DnsClientServerAddress -InputObject $dnsClient1 -ServerAddresses  
("10.0.0.1","10.0.0.2")
```

This is a version of the cmdlet using the pipeline.

```
PS C:\> Get-DnsClient | Set-DnsClientServerAddress -ServerAddresses  
("10.0.0.1","10.0.0.2")
```

This command sets the DNS server IP addresses for all wired Ethernet connections on a computer.

Example 3: Reset the DNS client to use the default DNS server addresses specified by DHCP

```
PS C:\> Get-DnsClient | Set-DnsClientServerAddress -ResetServerAddresses
```

This command resets all network interfaces to use DHCP-specified DNS server addresses.

REMARKS

To see the examples, type: "get-help Get-DnsClient -examples".

For more information, type: "get-help Get-DnsClient -detailed".

For technical information, type: "get-help Get-DnsClient -full".

For online help, type: "get-help Get-DnsClient -online"