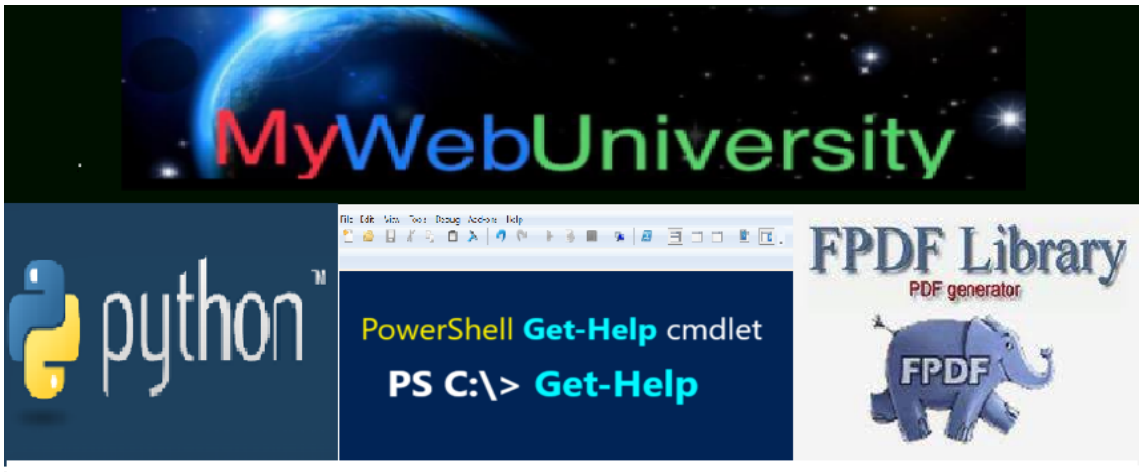

Full credit is given to all the above companies including the Operating System that this PDF file was generated!

Windows PowerShell Get-Help on Cmdlet 'Get-DnsClient'

PS:\>Get-HELP Get-DnsClient -Full

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).

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

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-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.

Required? false

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

-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.

Required? false

Position? named

Default value None

Accept pipeline input? False

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 PowerShellr 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

-UseSuffixWhenRegistering <Boolean[]>

Specifies the registration suffix policy for this interface.

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

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).

INPUTS

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.

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.

NOTES

------ 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.

RELATED LINKS

Online Version:

https://learn.microsoft.com/powershell/module/dnsclient/get-dnsclient?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Register-DnsClient

Set-DnsClient