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

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

NAME

Get-NetUDPSocket

SYNOPSIS

Gets UDP settings.

SYNTAX

```
Get-NetUDPSocket [[-DynamicPortRangeStartPort] <UInt16[]>] [[-DynamicPortRangeNumberOfPorts] <UInt16[]>]
[-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit
<Int32>] [<CommonParameters>]
```

DESCRIPTION

The Get-NetUDPSocket cmdlet gets UDP settings for the IP interface. The cmdlet gets the starting port and the number of ports for a dynamic port range that the IP interface uses to send and receive UDP traffic. Use this cmdlet with the Set-NetUDPSocket to specify a dynamic port range to modify. If you do not specify any parameters, the cmdlet gets all dynamic port ranges for UDP from the IP interface.

PARAMETERS

-AsJob [<SwitchParameter>]

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

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/?LinkId=227967>) or

[Get-CimSession](<https://go.microsoft.com/fwlink/?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

-DynamicPortRangeNumberOfPorts <UInt16[]>

Specifies an array of values for the number of ports for a dynamic port range that starts from the port that you specify for the DynamicPortRangeStartPort

parameter. The cmdlet gets the UDP settings that have these values.

Required? false

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DynamicPortRangeStartPort <UInt16[]>

Specifies an array of values for the starting port of the dynamic port range. The cmdlet gets the UDP settings that have these values. The acceptable values for this parameter are: 1 through 65535.

Required? false

Position? 0

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 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>).

None

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_NetUDPSetting

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 all dynamic port ranges for UDP -----

PS C:\>Get-NetUDPSetting

This command gets all UDP settings. The command gets all dynamic port ranges for UDP from the IP interface.

RELATED LINKS

Online

Version:

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

Get-NetTransportFilter

Set-NetTCPSetting

Set-NetUDPSetting