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

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

NAME

Set-NetUDPSocket

SYNOPSIS

Modifies UDP settings.

SYNTAX

```
Set-NetUDPSocket [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-DynamicPortRangeNumberOfPorts <UInt16>]
[-DynamicPortRangeStartPort <UInt16>] [-InputObject
<CimInstance[]>] [-PassThru] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Set-NetUDPSocket cmdlet modifies UDP settings of the IP interface. Use this cmdlet to change the starting port and the number of ports for the dynamic port

range. You can use the InputObject parameter to specify a NetUDPSocket object for the input to this cmdlet. Use the Get-NetUDPSocket to get a NetUDPSocket object.

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

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

Specifies the number of ports for the dynamic port range that starts from the port that you specify for the DynamicPortRangeStartPort parameter. The cmdlet

modifies the number of ports to the value you specify.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DynamicPortRangeStartPort <UInt16>

Specifies the starting port for the dynamic port range. The cmdlet modifies the value for starting port to the value you specify. This parameter sets the starting

port to send and receive UDP traffic. The acceptable values for this parameter are:1 through 65535.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-InputObject <CimInstance[]>

Specifies the input object that is used in a pipeline command.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-PassThru [<SwitchParameter>]

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

Required? false
Position? named
Default value False
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

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false
Position? named
Default value False
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

`Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_NetPrefixPolicy`

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

None

NOTES

----- Example 1: Modify the dynamic port range for UDP -----

```
PS C:\>Set-NetUDPSetting -DynamicPortRangeStartPort 49152 -DynamicPortRangeNumberOfPorts 1700
```

This command modifies the port range from which applications can send and receive UDP traffic.

RELATED LINKS

Online

Version:

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

`Get-NetTransportFilter`

`Get-NetUDPSetting`

`Set-NetTCPSetting`

