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

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

NAME

   Get-NetPrefixPolicy

SYNOPSIS

   Gets the prefix policy.

SYNTAX

    Get-NetPrefixPolicy [[-Prefix] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-Label <UInt32[]>] [-Precedence <UInt32[]>] [-ThrottleLimit <Int32>]

   [<CommonParameters>]

DESCRIPTION

   The Get-NetPrefixPolicy cmdlet gets the prefix policy. A computer uses a prefix policy to select source and destination addresses. A prefix policy establishes

   selection criteria based on the precedence of destination addresses and on labels that are attached to source addresses. For more information, see RFC 3484

   (http://www.ietf.org/rfc/rfc3484.txt).

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/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

  -Label <UInt32[]>

     Specifies an array of labels for a prefix policy. A label value identifies a preference for a particular source address

prefix in conjunction with a destination

    address prefix.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

Accept wildcard characters? false

-Precedence <UInt32[]>

Specifies an array of precedence values. A precedence value identifies a value that is used to sort destination addresses.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-Prefix <String[]>

Specifies an array of prefixes. A prefix identifies the IP address prefix that is used to select source and destination addresses.

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 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

<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

None

OUTPUTS

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.

NOTES

---------------- Example 1: Get a prefix policy ----------------

PS C:\>Get-NetPrefixPolicy

This command gets the prefix policy on the computer on which you run the command.

--------- Example 2: Get a prefix policy by precedence ---------

PS C:\>Get-NetPrefixPolicy -Precedence 1

This command gets the prefix policy that has a precedence of 1.

RELATED LINKS