PowerShell Get-Help on command 'Remove-NetIPAddress'

PS C:\Users\wahid> Get-Help Remove-NetIPAddress

NAME

Remove-NetIPAddress

SYNOPSIS

Removes an IP address and its configuration.

SYNTAX

Remove-NetIPAddress [[-IPAddress] <String[]>] [-AddressFamily {IPv4 | IPv6}]

[-AddressState {Invalid | Tentative | Duplicate | Deprecated | Preferred}]

[-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-DefaultGateway <String>]

[-IncludeAllCompartments] [-InterfaceAlias <String[]>] [-InterfaceIndex

<UInt32[]>] [-PassThru] [-PolicyStore <String>] [-PreferredLifetime

<TimeSpan[]>] [-PrefixLength <Byte[]>] [-PrefixOrigin {Other | Manual |

WellKnown | Dhcp | RouterAdvertisement}] [-SkipAsSource <Boolean[]>]

[-SuffixOrigin {Other | Manual | WellKnown | Dhcp | Link | Random}]

[-ThrottleLimit <Int32>] [-Type {Unicast | Anycast}] [-ValidLifetime

<TimeSpan[]>] [-WhatIf] [<CommonParameters>]

Remove-NetIPAddress [-AsJob] [-CimSession <CimSession[]>] [-Confirm]

-InputObject <CimInstance[]> [-PassThru] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

DESCRIPTION

The Remove-NetIPAddress cmdlet removes an IP address and its configuration. To remove a specific IP address object, use the IPv4 Address parameter or IPv6 Address parameter. If you do not specify an IPv4 or IPv6 address, the cmdlet will remove all IP addresses that match.

PARAMETERS

-AddressFamily <AddressFamily[]>

Specifies an array of IP address families. The cmdlet removes the IP address that matches the families. The acceptable values for this parameter are:

-- IPv4 -- IPv6

-AddressState <AddressState[]>

Specifies an array of duplicate address detection (DAD) state values for the IP address. The acceptable values for this parameter are:

-- Invalid. IP address configuration information for addresses that are not valid and will not be used.   -- Tentative. IP address configuration information for addresses that are not used for communication, as the uniqueness of those IP addresses is being verified.   -- Duplicate. IP address configuration information for addresses for which a duplicate IP address has been detected and the current IP address will not be used. -- Deprecated. IP address configuration information for addresses that will no longer be used to establish new connections, but will continue to be used with existing connections.   -- Preferred. IP address configuration information for addresses that are valid and available for use.

-AsJob [<SwitchParameter>]

   Runs the cmdlet as a background job. Use this parameter to run commands

   that take a long time to complete.

-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.

-Confirm [<SwitchParameter>]

   Prompts you for confirmation before running the cmdlet.

-DefaultGateway <String>

   Specifies the IPv4 address or IPv6 address of the default gateway for the

   host. Default gateways provide a default route for TCP/IP hosts to use

   when communicating with other hosts on remote networks.

-IPAddress <String[]>

   Specifies an array of IPv4 or IPv6 addresses.

-IncludeAllCompartments [<SwitchParameter>]

   Indicates that the cmdlet includes addresses from all configured network

   compartments. If you do not specify this parameter, the cmdlet removes

   only addresses in the default network compartment.

-InputObject <CimInstance[]>

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

-InterfaceAlias <String[]>

   Specifies an array of aliases of network interfaces. The cmdlet removes IP

addresses that match the aliases.

-InterfaceIndex <UInt32[]>

Specifies an array of indexes of network interfaces. The cmdlet removes IP

addresses that match the indexes.

-PassThru [<SwitchParameter>]

Returns an object representing the item with which you are working. By

default, this cmdlet does not generate any output.

-PolicyStore <String>

Specifies a PolicyStore value. The acceptable values for this parameter

are:

-- ActiveStore. The IP address information is valid.   -- PersistentStore.

The computer saves IP address information across restarts. When the

computer restarts, it copies the saved settings to the ActiveStore.

The default value is ActiveStore.

-PreferredLifetime <TimeSpan[]>

Specifies an array of values of preferred lifetimes, as TimeSpan objects,

for an IP address. To obtain a TimeSpan object, use the New-TimeSpan

cmdlet.

-PrefixLength <Byte[]>

Specifies an array of prefix lengths. This parameter defines the local

subnet size, and is also known as a subnet mask.

-PrefixOrigin <PrefixOrigin[]>

Specifies an array of origins of address prefixes. IP addresses are

divided into two parts, the prefix and the suffix. The address prefix

identifies the network portion of an IP address, and the address suffix

identifies the host portion. The acceptable values for this parameter are:

-- Manual. The IP address prefix was manually specified.   -- WellKnown.

The IP address prefix is from a well-known source.   -- DHCP. The IP

address prefix was provided by DHCP settings.

-- RouterAdvertisement. The IP address prefix was obtained through a

router advertisement (RA).

-SkipAsSource <Boolean[]>

Indicates whether an address is a primary IP address. This parameter

identifies the primary IP address for outgoing traffic in a multiple IP

address scenario. If this parameter is set to True, the addresses are not

used for outgoing traffic and are not registered in DNS.

-SuffixOrigin <SuffixOrigin[]>

Specifies an array of origins of address suffixes. IP addresses are

divided into two parts, the prefix and the suffix. The address prefix

identifies the network portion of an IP address, and the address suffix

identifies the host portion. The acceptable values for this parameter are:

-- Manual. The IP address prefix was manually specified.   -- WellKnown.

The IP address suffix is from a well-known source.   -- DHCP. The IP

address suffix was provided by DHCP settings.   -- Link. The IP address

suffix was obtained from the link-layer address.   -- Random. The IP

address suffix was obtained from a random source.

-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.

-Type <Type[]>

Specifies an array of IP address types. The acceptable values for this

parameter are:

-- Unicast -- Anycast

The default value is Unicast.

-ValidLifetime <TimeSpan[]>

Specifies an array of values of valid lifetimes, as TimeSpan objects, for

an IP address. To obtain a TimeSpan object, use the New-TimeSpan cmdlet.

-WhatIf [<SwitchParameter>]

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

<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).

--------------- Example 1: Remove an IP address ---------------

PS C:\>New-NetIPAddress -InterfaceIndex 12 -IPAddress 192.168.0.1

This command removes the IP address created by the previous command.

PS C:\>Remove-NetIPAddress -IPAddress 192.168.0.1

This command adds a new IP address.

------- Example 2: Remove an IP address using a pipeline -------

PS C:\>Get-NetIPAddress -IPAddress 192.168.0.1 | Remove-NetIPAddress

This command removes all of the IP addresses with the address 192.168.0.1.

------- Example 3: Remove IP addresses by prefix origin -------

PS C:\>Remove-NetIPAddress -PrefixOrigin Manual

This command removes all of the IP addresses that have a manually-configured

prefix origin.

REMARKS

To see the examples, type: "get-help Remove-NetIPAddress -examples".

For more information, type: "get-help Remove-NetIPAddress -detailed".

For technical information, type: "get-help Remove-NetIPAddress -full".

For online help, type: "get-help Remove-NetIPAddress -online"