



Windows PowerShell Get-Help on Cmdlet 'Rename-NetIPsecPhase1AuthSet'

PS:\>Get-HELP Rename-NetIPsecPhase1AuthSet -Full

NAME

Rename-NetIPsecPhase1AuthSet

SYNOPSIS

Renames a single phase 1 authentication set.

SYNTAX

```
Rename-NetIPsecPhase1AuthSet [-All] [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-GPOSession <String>]
-NewName <String> [-PassThru] [-PolicyStore <String>]
[-ThrottleLimit <Int32>] [-TracePolicyStore] [-WhatIf] [<CommonParameters>]
```

```
Rename-NetIPsecPhase1AuthSet [-AsJob] -AssociatedNetIPsecMainModeRule <CimInstance> [-CimSession
<CimSession[]>] [-Confirm] [-GPOSession <String>] -NewName <String>
[-PassThru] [-PolicyStore <String>] [-ThrottleLimit <Int32>] [-TracePolicyStore] [-WhatIf] [<CommonParameters>]
```

```
Rename-NetIPsecPhase1AuthSet [-AsJob] -AssociatedNetIPsecRule <CimInstance> [-CimSession <CimSession[]>]
[-Confirm] [-GPOSession <String>] -NewName <String>
[-PassThru] [-PolicyStore <String>] [-ThrottleLimit <Int32>] [-TracePolicyStore] [-WhatIf] [<CommonParameters>]
```

```

Rename-NetIPsecPhase1AuthSet [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-Description <String[]>]
[-DisplayGroup <String[]>] [-GPOSession <String>] [-Group
    <String[]>] -NewName <String> [-PassThru] [-PolicyStore <String>] [-PolicyStoreSource <String[]>]
[-PolicyStoreSourceType {None | Local | GroupPolicy | Dynamic |
    Generated | Hardcoded}] [-PrimaryStatus {Unknown | OK | Inactive | Error}] [-Status <String[]>] [-ThrottleLimit <Int32>]
[-TracePolicyStore] [-WhatIf]
[<CommonParameters>]

```

```

Rename-NetIPsecPhase1AuthSet [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -DisplayName <String[]>
[-GPOSession <String>] -NewName <String> [-PassThru]
[-PolicyStore <String>] [-ThrottleLimit <Int32>] [-TracePolicyStore] [-WhatIf] [<CommonParameters>]

```

```

Rename-NetIPsecPhase1AuthSet [-Name] <String[]> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-GPOSession
<String>] -NewName <String> [-PassThru] [-PolicyStore
    <String>] [-ThrottleLimit <Int32>] [-TracePolicyStore] [-WhatIf] [<CommonParameters>]

```

```

Rename-NetIPsecPhase1AuthSet [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]>
-NewName <String> [-PassThru] [-ThrottleLimit <Int32>]
[-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The Rename-NetIPsecPhase1AuthSet cmdlet renames an existing phase 1 authentication set. When creating a set, if the Name parameter is not specified, then a random

GUID is used. This cmdlet specifies a friendly and descriptive rule name. The newly specified name, using the NewName parameter, must still be unique since it

identifies a single rule object on the computer.

This cmdlet returns one or more phase 1 authentication sets to be renamed with the Name parameter (default), the DisplayName parameter, set properties, or by

associated filters or objects. The Name parameter value from the queried set is replaced by the NewName parameter value. Only one set can be renamed at a time when

copying to the same policy store. This is because only a single set can use the unique identifier, or name, specified by the

NewName parameter.

To modify the localized DisplayName parameter, run the Set-NetIPsecPhase1AuthSet cmdlet with the NewDisplayName parameter.

The names are unique identifiers for rules, similar to file names. Each name must be unique within a given policy store. If rules in multiple GPOs have the same name,

then one will overwrite the other based upon GPO precedence. If a rule from a GPO has the same name as a rule from the PersistentStore, then the rule from the GPO

will overwrite the local rule.

To specify a new default phase 1 authentication set, run this cmdlet to specify the default set with Name parameter value {E5A5D32A-4BCE-4e4d-B07F-4AB1BA7E5FE1}.

PARAMETERS

-All [<SwitchParameter>]

Indicates that all of the phase 1 authentication sets within the specified policy store are renamed.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-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

-AssociatedNetIPsecMainModeRule <CimInstance>

Gets the phase 1 authentication sets that are associated, via the pipeline, with the input main mode rule to be renamed. A NetIPsecMainModeRule object represents

a main mode rule, which alters the behavior of main mode authentications. Main mode negotiation establishes a secure channel between two computers by determining

a set of cryptographic protection suites, exchanging keying material to establish a shared secret key, and authenticating computer and user identities. See the

Get-NetIPsecMainModeRule cmdlet for more information.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

-AssociatedNetIPsecRule <CimInstance>

Gets the phase 1 authentication sets that are associated, via the pipeline, with the input IPsec rule to be renamed. A NetIPsecRule object represents an IPsec

rule, which determines IPsec behavior. An IPsec rule can be associated with Phase1AuthSet, Phase2AuthSet, and NetIPsecQuickMode cryptographic sets. See the

New-NetIPsecMainModeRule cmdlet for more information.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	True (ByValue)
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

[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

-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

-Description <String[]>

Specifies that matching phase 1 authentication sets of the indicated description are renamed. Wildcard characters are accepted. This parameter provides information about the phase 1 authentication rule. This parameter specifies a localized, user-facing description of the object.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-DisplayGroup <String[]>

Specifies that only matching phase 1 authentication sets of the indicated group association are renamed. Wildcard characters are accepted. The Group parameter

specifies the source string for this parameter. If the value for this parameter is a localizable string, then the Group parameter contains an indirect string.

Rule groups can be used to organize rules by influence and allows batch rule modifications. Using the Set-NetIPsecPhase1AuthSet cmdlet, if the group name is

specified for a set of rules, then all of the rules in that group receive the same set of modifications. It is good practice to specify the Group parameter with a

universal and world-ready indirect @FirewallAPI name. This parameter cannot be specified upon object creation using the New-NetIPsecPhase1AuthSet cmdlet, but

can be modified using dot notation and the Set-NetIPsecPhase1AuthSet cmdlet.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-DisplayName <String[]>

Specifies that only matching phase 1 authentication sets of the indicated display name are renamed. Wildcard characters are accepted. This parameter specifies

the localized, user-facing name of the phase 1 authentication set being created. When creating a set this parameter is required. This parameter value is

locale-dependent. If the object is not modified, this parameter value may change in certain circumstances. When writing scripts in multi-lingual environments, the

Name parameter should be used instead, where the default value is a randomly assigned value. This parameter value cannot be All.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-GPOSession <String>

Targets the network GPO from which to retrieve the sets to be renamed. This parameter is used in the same way as the PolicyStore parameter. When you modify a

Group Policy Object (GPO) in Windows PowerShell, each change to a GPO requires the entire GPO to be loaded, modified, and saved back. On a busy Domain Controller

(DC), this can be a slow and resource-heavy operation. A GPO Session loads a domain GPO onto the local computer and makes all changes in a batch, before saving it

back. This reduces the load on the DC and speeds up the Windows PowerShell cmdlets. To load a GPO Session, use the Open-NetGPO cmdlet. To save a GPO Session, use

the Save-NetGPO cmdlet.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-Group <String[]>

Specifies that only matching phase 1 authentication sets of the indicated group association are renamed. Wildcard characters are accepted. This parameter

specifies the source string for the DisplayGroup parameter. If the DisplayGroup parameter value is a localizable string, then this parameter contains an indirect

string. Rule groups organizes rules by influence and allows batch rule modifications. Using the Set-NetIPsecPhase1AuthSet cmdlet, if the group name is specified

for a set of rules, then all of the rules in that group receive the same set of modifications. It is good practice to specify this parameter with a universal and

world-ready indirect @FirewallAPI name. The DisplayGroup parameter cannot be specified upon object creation using the New-NetIPsecPhase1AuthSet cmdlet, but can

be modified using dot notation and the Set-NetIPsecPhase1AuthSet cmdlet.

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? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Name <String[]>

Specifies that only matching phase 1 authentication sets of the indicated name are renamed. Wildcard characters are accepted. This parameter acts just like a

filename, in that only one rule with a given name may exist in a policy store at a time. During group policy processing and policy merge, rules that have the same

name but come from multiple stores being merged, will overwrite one another so that only one exists. This overwriting behavior is desirable if the rules serve the

same purpose. For instance, all of the firewall rules have specific names, so if an administrator can copy these rules to a GPO, and the rules will override the

local versions on a local computer. Since GPOs can have precedence, if an administrator that gives a rule with a different or more specific rule the same name in

a higher-precedence GPO, then it overrides other rules that exist. The default value is a randomly assigned value. When the defaults for phase 1 encryption are

overridden, specify the customized parameters and set this parameter value, making this parameter the new default setting for encryption.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-NewName <String>

Specifies the new name for one or more phase 1 authentication sets.

Required? true

Position? named

Default value None

Accept pipeline input? False

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

-PolicyStore <String>

Targets the policy store from which to retrieve the sets to be renamed. A policy store is a container for firewall and IPsec policy. The acceptable values for this parameter are:

- PersistentStore: Sometimes called static rules, this store contains the persistent policy for the local computer. This policy is not from GPOs, and has been

created manually or programmatically (during application installation) on the computer. Rules created in this store are attached to the ActiveStore and activated

on the computer immediately. - ActiveStore: This store contains the currently active policy, which is the sum of all policy stores that apply to the computer.

This is the resultant set of policy (RSOP) for the local computer (the sum of all GPOs that apply to the computer), and the local stores (the PersistentStore, the

static Windows service hardening (WSH), and the configurable WSH). ---- GPOs are also policy stores. Computer

GPOs can be specified as follows. -----

`-PolicyStore hostname`.

---- Active Directory GPOs can be specified as follows.

----- `-PolicyStore domain.fqdn.com\GPO_Friendly_Namedomain.fqdn.comGPO_Friendly_Name`.

----- Such as the following.

----- `-PolicyStore localhost`

----- `-PolicyStore corp.contoso.com\FirewallPolicy`

---- Active Directory GPOs can be created using the New-GPO cmdlet or the Group Policy Management Console. -

RSOP: This read-only store contains the sum of all

GPOs applied to the local computer.

- SystemDefaults: This read-only store contains the default state of firewall rules that ship with Windows Server 2012.

- StaticServiceStore: This read-only store contains all the service restrictions that ship with Windows Server 2012.

Optional and product-dependent features are considered part of Windows Server 2012 for the purposes of WFAS. -

ConfigurableServiceStore: This read-write store

contains all the service restrictions that are added for third-party services. In addition, network isolation rules that are created for Windows Store application

containers will appear in this policy store. The default value is PersistentStore. The Set-NetIPsecPhase1AuthSet cmdlet cannot be used to add an object to a

policy store. An object can only be added to a policy store at creation time with the Copy-NetIPsecPhase1AuthSet cmdlet or with the New-NetIPsecPhase1AuthSet cmdlet.

Required? false

Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PolicyStoreSource <String[]>

Specifies that phase 1 authentication sets that match the indicated policy store source are renamed. This parameter contains a path to the policy store where the

rule originated if the object is retrieved from the ActiveStore with the TracePolicyStoreSource option set. This parameter value is automatically generated and

should not be modified. The monitoring output from this parameter is not completely compatible with the PolicyStore parameter. This parameter value cannot always

be passed into the PolicyStore parameter. Domain GPOs are one example in which this parameter contains only the GPO name, not the domain name.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PolicyStoreSourceType <PolicyStoreType[]>

Specifies that phase 1 authentication sets that match the indicated policy store source type are renamed. This parameter describes the type of policy store where

the rule originated if the object is retrieved from the ActiveStore with the TracePolicyStoreSource option set. This parameter value is automatically generated

and should not be modified. The acceptable values for this parameter are:

- Local: The object originates from the local store.
- GroupPolicy: The object originates from a GPO.
- Dynamic: The object originates from the local runtime state.

This policy store name is not valid for use in cmdlets, but may appear when monitoring active policy. - Generated: The object was generated automatically. This

policy store name is not valid for use in cmdlets, but may appear when monitoring active policy. - Hardcoded: The object was hard-coded. This policy store name

is not valid for use in cmdlets, but may appear when monitoring active policy.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PrimaryStatus <PrimaryStatus[]>

Specifies that phase 1 authentication sets that match the indicated primary status are renamed. This parameter describes the overall status of the rule. - OK:

Specifies that the rule will work as specified.

- Degraded: Specifies that one or more parts of the rule will not be enforced.

- Error: Specifies that the computer is unable to use the rule at all.

See the Status and StatusCode fields of the object for more detailed status information.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Status <String[]>

Specifies that phase 1 authentication sets that match the indicated status are renamed. This parameter describes the status message for the specified status code

value. The status code is a numerical value that indicates any syntax, parsing, or runtime errors in the rule. This

parameter value should not be modified.

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 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

-TracePolicyStore [<SwitchParameter>]

Indicates that the phase 1 authentication sets that match the indicated policy store are renamed. This parameter specifies that the name of the source GPO is queried and set to the PolicyStoreSource parameter value.

Required?	false
Position?	named
Default value	False
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>).

INPUTS

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_NetConSecRule[]

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_NetIKEP1AuthSet[]

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_NetMainModeRule[]

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 -----

```
PS C:\>Rename-NetIPsecPhase1AuthSet -Name "{ed8384a9-a78b-4d0d-8f3d-eb5615edb4a0}" -NewName "Transport  
Mode - Home LAN - Phase 1 Auth Set"
```

This example renames a phase 1 authorization set so that the unique identifier is descriptive and user friendly.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/netsecurity/rename-netipsecphase1authset?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Copy-NetIPsecPhase1AuthSet

Get-NetIPsecMainModeRule

Get-NetIPsecRule

New-NetIPsecMainModeRule

New-NetIPsecPhase1AuthSet

Open-NetGPO

Save-NetGPO

Remove-NetIPsecQuickModeCryptoSet

Set-NetIPsecPhase1AuthSet