PowerShell Get-Help on command 'Get-NetIPsecDospSetting'

PS C:\Users\wahid> Get-Help Get-NetIPsecDospSetting

NAME

Get-NetIPsecDospSetting

SYNOPSIS

Retrieves IPsec DoS protection settings from the target computer.

SYNTAX

Get-NetIPsecDospSetting [-All] [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-NetIPsecDospSetting [-Name] <String[]> [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Get-NetIPsecDospSetting cmdlet returns the instances of existing IPsec DoS protection settings.

If the Name parameter is not specified, then all of the Dosp settings configured on the computer are returned. Querying by object requires the use of the Where-Object (https://go.microsoft.com/fwlink/?LinkID=113423)cmdlet.

PARAMETERS

-All [<SwitchParameter>]

Indicates that all of the Dosp settings within the specified policy store are retrieved.

-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.

-Name <String[]>

Specifies that only the matching IPsec rules of the indicated name are retrieved. Wildcard characters are accepted. This parameter acts just like a file name, 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. GPOs can have precedence. So if an administrator has a different or more specific rule with 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 main mode encryption need to overridden, specify the customized parameters and set this parameter value, making this parameter the new default setting for encryption.

-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.

<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 --------------------------

```
PS C:\>Get-NetIPsecDospSetting
```

This example gets all of the Dosp setting configured on the computer.

-------------------------- EXAMPLE 2 --------------------------

```
PS C:\>Get-NetIPsecDospSetting -Name CorpNet-PubNet
```

This example gets the Dosp setting with the specified name.

-------------------------- EXAMPLE 3 --------------------------

```
PS C:\>$netIPSDospSetting = Get-NetIPsecDospSetting
PS C:\>Where-Object -FilterScript { $_.PublicInterfaceAliases -Eq "PubNet" }
-InputObject $netIPSDospSetting
```

This cmdlet can be run using only the pipeline.

```
PS C:\>Get-NetIPsecDospSetting | Where-Object -FilterScript {
$_.PublicInterfaceAliases -Eq "PubNet" }
```

This example gets all of the Dosp settings configured to the specified internal interface.

-------------------------- EXAMPLE 4 --------------------------

```
PS C:\>$nIPSDospSetting = Get-NetIPsecDospSetting
```

```
PS C:\>$nIPSDospSettingPubNet = Where-Object -FilterScript {
$_.PublicInterfaceAliases -Eq "PubNet" } -InputObject $nIPSDospSetting
```

```
PS C:\>Set-NetIPsecDospSetting -PublicInterfaceAliases PubNet2 -InputObject
$nIPSDospSettingPubNet
```

This cmdlet can be run using only the pipeline.

```
PS C:\>Get-NetIPsecDospSetting | Where-Object -FilterScript {
$_.PublicInterfaceAliases -Eq "PubNet" } | Set-NetIPsecDospSetting
-PublicInterfaceAliases PubNet2
```

This example modifies the internal interface of the previously acquired IPsec Dosp settings.

REMARKS

To see the examples, type: "get-help Get-NetIPsecDospSetting -examples".

For more information, type: "get-help Get-NetIPsecDospSetting -detailed".

For technical information, type: "get-help Get-NetIPsecDospSetting -full".

For online help, type: "get-help Get-NetIPsecDospSetting -online"