



Windows PowerShell Get-Help on Cmdlet 'New-AzVpnClientIpsecParameter'

PS:\>Get-HELP New-AzVpnClientIpsecParameter -Full

WARNING: The names of some imported commands from the module 'Microsoft.Azure.PowerShell.Cmdlets.Network' include unapproved verbs that might make them less discoverable.

To find the commands with unapproved verbs, run the Import-Module command again with the Verbose parameter. For a list of approved verbs, type Get-Verb.

NAME

New-AzVpnClientIpsecParameter

SYNOPSIS

This command allows the users to create the Vpn ipsec parameters object specifying one or all values such as IpsecEncryption,IpsecIntegrity,IkeEncryption,IkeIntegrity,DhGroup,PfsGroup to set on the existing VPN gateway.

SYNTAX

```

New-AzVpnClientIpsecParameter [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DhGroup {DHGroup24
|
ECP384 | ECP256 | DHGroup14 | DHGroup2}] [-IkeEncryption {GCMAES256 | GCMAES128 | AES256 | AES128}]
[-IkeIntegrity {SHA384 | SHA256}] [-IpsecEncryption {GCMAES256 |
GCMAES128 | AES256 | AES128}] [-IpsecIntegrity {GCMAES256 | GCMAES128 | SHA256}] [-PfsGroup {PFS24 |
PFSMM | ECP384 | ECP256 | PFS14 | PFS2 | None}] [-SADataSize

```

<System.Int32>] [-SALifeTime <System.Int32>] [<CommonParameters>]

DESCRIPTION

This command allows the users to create the Vpn ipsec parameters object specifying one or all values such as IpsecEncryption,IpsecIntegrity,IkeEncryption,IkeIntegrity,DhGroup,PfsGroup to set on the existing VPN gateway.

PARAMETERS

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

The credentials, account, tenant, and subscription used for communication with Azure.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DhGroup <System.String>

The VpnClient DH Groups used in IKE Phase 1 for initial SA.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-IkeEncryption <System.String>

The VpnClient IKE encryption algorithm (IKE Phase 2)

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-IkeIntegrity <System.String>

The VpnClient IKE integrity algorithm (IKE Phase 2)

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-IpsecEncryption <System.String>

The VpnClient IPsec encryption algorithm (IKE Phase 1)

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-IpsecIntegrity <System.String>

The VpnClient IPsec integrity algorithm (IKE Phase 1)

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PfsGroup <System.String>

The VpnClient PFS Groups used in IKE Phase 2 for new child SA

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

-SADataSize <System.Int32>

The VpnClient IPSec Security Association (also called Quick Mode or Phase 2 SA) payload size in KB

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

-SALifeTime <System.Int32>

The VpnClient IPSec Security Association (also called Quick Mode or Phase 2 SA) lifetime in seconds

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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

None

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSVpnClientIPsecParameters

NOTES

----- Example 1 -----

```
$vpnclientipsecparams1 = New-AzVpnClientIpsecParameter -IpsecEncryption AES256 -IpsecIntegrity SHA256  
-SALifeTime 86473 -SADataSize 429498 -IkeEncryption AES256  
-IkeIntegrity SHA384 -DhGroup DHGroup2 -PfsGroup PFS2  
$setvpnlpsecParams = Set-AzVpnClientIpsecParameter -VirtualNetworkGatewayName $rname -ResourceGroupName  
$rgname -VpnClientIPsecParameter $vpnclientipsecparams1
```

New-AzVpnClientIpsecParameter cmdlet is used to create the vpn ipsec parameters object of using the passed one or all parameters' values which user can set for any

existing Virtual network gateway in ResourceGroup. This created VpnClientIPsecParameters object is passed to Set-AzVpnClientIpsecParameter command to set the

specified Vpn ipsec custom policy on Virtual network gateway as shown in above example. This command returns object of VpnClientIPsecParameters which shows set parameters.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.network/new-azvpnclientipsecparameter>

Get-AzVpnClientIpsecParameter

Remove-AzVpnClientIpsecParameter

Set-AzVpnClientIpsecParameter