



Windows PowerShell Get-Help on Cmdlet 'Set-AzNetworkSecurityGroup'

PS:\>Get-HELP Set-AzNetworkSecurityGroup -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

Set-AzNetworkSecurityGroup

SYNOPSIS

Updates a network security group.

SYNTAX

```
Set-AzNetworkSecurityGroup [-AsJob] [-DefaultProfile  
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -NetworkSecurityGroup  
<Microsoft.Azure.Commands.Network.Models.PSNetworkSecurityGroup> [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Set-AzNetworkSecurityGroup cmdlet updates a network security group.

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-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

-NetworkSecurityGroup <Microsoft.Azure.Commands.Network.Models.PSNetworkSecurityGroup>

Specifies a network security group object representing the state to which the network security group should be set.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-WhatIf <System.Management.Automation.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.Azure.Commands.Network.Models.PSNetworkSecurityGroup

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSNetworkSecurityGroup

NOTES

----- Example 1: Update an existing network security group -----

```
Get-AzNetworkSecurityGroup -Name "Nsg1" -ResourceGroupName "Rg1" | Add-AzNetworkSecurityRuleConfig -Name  
"Rdp-Rule" -Description "Allow RDP" -Access "Allow" -Protocol  
"Tcp" -Direction "Inbound" -Priority 100 -SourceAddressPrefix "Internet" -SourcePortRange "*" -DestinationAddressPrefix  
"*" -DestinationPortRange "3389" |  
Set-AzNetworkSecurityGroup
```

This command gets the Azure network security group named Nsg1, and adds a network security rule named Rdp-Rule to allow Internet traffic on port 3389 to the retrieved

network security group object using Add-AzNetworkSecurityRuleConfig. The command persists the modified Azure network security group using Set-AzNetworkSecurityGroup .

RELATED LINKS

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

Get-AzNetworkSecurityGroup

New-AzNetworkSecurityGroup

Remove-AzNetworkSecurityGroup