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

PS:\>Get-HELP New-AzPacketCaptureScopeConfig -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-AzPacketCaptureScopeConfig

SYNOPSIS

Creates a new packet capture scope object.

SYNTAX

New-AzPacketCaptureScopeConfig [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Exclude <System.String[]>] [-Include <System.String[]>] [<CommonParameters>]

DESCRIPTION

The New-AzPacketCaptureScopeConfig cmdlet creates a new packet capture scope object. This object is used to either include or exclude the provided VMSS Instances for

running Packet Captures. The New-AzPacketCaptureScopeConfig cmdlet can accept multiple VMSS Instances Names enable/disable composable capture sessions.

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

-Exclude <System.String[]>

Machines to be Excluded in Scope

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Include <System.String[]>

Machines to be Included in Scope

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

System.String[]

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSPacketCaptureMachineScope

NOTES

Example 1: Create a Packet Capture with multiple VMSS Instances in Include Scope

```
$nw = Get-AzResource | Where {$_.ResourceType -eq "Microsoft.Network/networkWatchers" -and $_.Location -eq "WestCentralUS" }
$networkWatcher = Get-AzNetworkWatcher -Name $nw.Name -ResourceGroupName $nw.ResourceGroupName

$storageAccount = Get-AzStorageAccount -ResourceGroupName contosoResourceGroup -Name contosostorage123

$instance1 = $vmssInstance1.Name
$instance2 = $vmssInstance2.Name
$scope = New-AzPacketCaptureScopeConfig -Include $instance1, $instance2

New-AzNetworkWatcherPacketCaptureV2 -NetworkWatcher $networkWatcher -TargetId $vmss.Id -TargetType
```

"azurevmss" -Scope $scope -PacketCaptureName "PacketCaptureTest"

-StorageAccountId $storageAccount.id -TimeLimitInSecond 60

In this example we create a packet capture named "PacketCaptureTest" with multiple VMSS Instances in Include Scope and a time limit. Once the session is complete, it

will be saved to the specified storage account. Note: The Azure Network Watcher extension must be installed on the target virtual machine to create packet captures.

Example 2: Create a Packet Capture with multiple VMSS Instances in Exclude Scope

$nw = Get-AzResource | Where {$_.ResourceType -eq "Microsoft.Network/networkWatchers" -and $_.Location -eq "WestCentralUS" }

$networkWatcher = Get-AzNetworkWatcher -Name $nw.Name -ResourceGroupName $nw.ResourceGroupName

$storageAccount = Get-AzStorageAccount -ResourceGroupName contosoResourceGroup -Name contosostorage123

$instance1 = $vmssInstance1.Name

$instance2 = $vmssInstance2.Name

$scope = New-AzPacketCaptureScopeConfig -Exclude $instance1, $instance2

New-AzNetworkWatcherPacketCaptureV2 -NetworkWatcher $networkWatcher -TargetId $vmss.Id -TargetType "azurevmss" -Scope $scope -PacketCaptureName "PacketCaptureTest"

-StorageAccountId $storageAccount.id -TimeLimitInSecond 60

In this example we create a packet capture named "PacketCaptureTest" with multiple VMSS Instances in Exclude Scope - meaning that apart from these provided Instance,

Packet Capture would be working on all other instances and a time limit. Once the session is complete, it will be saved to the specified storage account. Note: The

Azure Network Watcher extension must be installed on the target virtual machine to create packet captures.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.network/new-azpacketcapturescopeconfig

New-AzNetworkWatcher

Get-AzNetworkWatcher

Remove-AzNetworkWatcher

Get-AzNetworkWatcherNextHop

Get-AzNetworkWatcherSecurityGroupView

Get-AzNetworkWatcherTopology

Start-AzNetworkWatcherResourceTroubleshooting

New-AzNetworkWatcherPacketCapture

New-AzPacketCaptureFilterConfig

Get-AzNetworkWatcherPacketCapture

Remove-AzNetworkWatcherPacketCapture

Stop-AzNetworkWatcherPacketCapture

New-AzNetworkWatcherProtocolConfiguration

Test-AzNetworkWatcherIPFlow

Test-AzNetworkWatcherConnectivity

Stop-AzNetworkWatcherConnectionMonitor

Start-AzNetworkWatcherConnectionMonitor

Set-AzNetworkWatcherConnectionMonitor

Set-AzNetworkWatcherConfigFlowLog

Remove-AzNetworkWatcherConnectionMonitor

New-AzNetworkWatcherConnectionMonitor

Get-AzNetworkWatcherTroubleshootingResult

Get-AzNetworkWatcherReachabilityReport

Get-AzNetworkWatcherReachabilityProvidersList

Get-AzNetworkWatcherFlowLogStatus

Get-AzNetworkWatcherConnectionMonitorReport

Get-AzNetworkWatcherConnectionMonitor