



Windows PowerShell Get-Help on Cmdlet 'Get-AzNetworkWatcherPacketCapture'

PS:\>Get-HELP Get-AzNetworkWatcherPacketCapture -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

Get-AzNetworkWatcherPacketCapture

SYNOPSIS

Gets information and properties and status of a packet capture resource.

SYNTAX

Get-AzNetworkWatcherPacketCapture [-AsJob] [-DefaultProfile

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

<System.String> [-PacketCaptureName <System.String>] [<CommonParameters>]

Get-AzNetworkWatcherPacketCapture [-AsJob] [-DefaultProfile

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

<Microsoft.Azure.Commands.Network.Models.PSNetworkWatcher> [-PacketCaptureName <System.String>]

[<CommonParameters>]

Get-AzNetworkWatcherPacketCapture [-AsJob] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

-NetworkWatcherName <System.String> [-PacketCaptureName <System.String>] -ResourceGroupName
<System.String> [<CommonParameters>]

DESCRIPTION

The Get-AzNetworkWatcherPacketCapture gets the properties and status of a packet capture resource.

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

-Location <System.String>

Location of the network watcher.

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

-NetworkWatcher <Microsoft.Azure.Commands.Network.Models.PSNetworkWatcher>

The network watcher resource.

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

-NetworkWatcherName <System.String>

The name of network watcher.

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

-PacketCaptureName <System.String>

The packet capture name.

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

-ResourceGroupName <System.String>

The name of the network watcher resource group.

Required? true

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

INPUTS

Microsoft.Azure.Commands.Network.Models.PSNetworkWatcher

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSGetPacketCaptureResult

NOTES

Keywords: azure, azurerm, arm, resource, management, manager, network, networking, network watcher, packet, capture, traffic

Example 1: Create a Packet Capture with multiple filters and retrieve its status

```
$nw = Get-AzResource | Where-Object {$_.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

$filter1 = New-AzPacketCaptureFilterConfig -Protocol TCP -RemoteIPAddress "1.1.1.1-255.255.255" -LocalIPAddress "10.0.0.3" -LocalPort "1-65535" -RemotePort "20;80;443"

$filter2 = New-AzPacketCaptureFilterConfig -Protocol UDP

New-AzNetworkWatcherPacketCapture -NetworkWatcher $networkWatcher -TargetVirtualMachineId $vm.Id -PacketCaptureName "PacketCaptureTest" -StorageAccountId $storageAccount.id -TimeLimitInSeconds 60 -Filter $filter1, $filter2

Get-AzNetworkWatcherPacketCapture -NetworkWatcher $networkWatcher -PacketCaptureName "PacketCaptureTest"
```

In this example we create a packet capture named "PacketCaptureTest" with multiple filters and a time limit. Once the session is complete, it will be saved to the

specified storage account. We then call Get-AzNetworkWatcherPacketCapture to retrieve the status of the capture session. Note: The Azure Network Watcher extension must be installed on the target virtual machine to create packet captures.

>[!NOTE] >If you create a reference to the packet capture directly from the New-AzNetworkWatcherPacketCapture command, it won't have all the properties. You can get

all of the properties of the packet capture by making a call to the Get-AzNetworkWatcherPacketCapture command.

Example 2: Create a Packet Capture with multiple filters and retrieve its status

```
Get-AzNetworkWatcherPacketCapture -ResourceGroupName rg1 -NetworkWatcherName nw1 -PacketCaptureName PacketCapture*
```

This cmdlet returns all PacketCaptures that start with "PacketCapture" in the nw1 Network Watcher.

RELATED LINKS

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

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

