



Windows PowerShell Get-Help on Cmdlet 'Invoke-AzNetworkWatcherNetworkConfigurationDiagnostic'

PS:\>Get-HELP Invoke-AzNetworkWatcherNetworkConfigurationDiagnostic -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

Invoke-AzNetworkWatcherNetworkConfigurationDiagnostic

SYNOPSIS

Invoke network configuration diagnostic session for specified network profiles on target resource.

SYNTAX

Invoke-AzNetworkWatcherNetworkConfigurationDiagnostic [-AsJob] [-DefaultProfile

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

<System.String> -Profile

<System.Collections.Generic.List`1[Microsoft.Azure.Commands.Network.Models.PSNetworkConfigurationDiagnosticProfile]

> -TargetResourceId <System.String>

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

```

Invoke-AzNetworkWatcherNetworkConfigurationDiagnostic [-AsJob] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -NetworkWatcher
<Microsoft.Azure.Commands.Network.Models.PSNetworkWatcher>
    -Profile
<System.Collections.Generic.List`1[Microsoft.Azure.Commands.Network.Models.PSNetworkConfigurationDiagnosticProfile]
> -TargetResourceId <System.String>
    [-VerbosityLevel <System.String>] [<CommonParameters>]

```

```

Invoke-AzNetworkWatcherNetworkConfigurationDiagnostic [-AsJob] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-NetworkWatcherName <System.String> -Profile
<System.Collections.Generic.List`1[Microsoft.Azure.Commands.Network.Models.PSNetworkConfigurationDiagnosticProfile]
> -ResourceGroupName <System.String>
    -TargetResourceId <System.String> [-VerbosityLevel <System.String>] [<CommonParameters>]

```

```

Invoke-AzNetworkWatcherNetworkConfigurationDiagnostic [-AsJob] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Profile
<System.Collections.Generic.List`1[Microsoft.Azure.Commands.Network.Models.PSNetworkConfigurationDiagnosticProfile]
> -ResourceId <System.String> -TargetResourceId
    <System.String> [-VerbosityLevel <System.String>] [<CommonParameters>]

```

DESCRIPTION

The Invoke-AzNetworkWatcherNetworkConfigurationDiagnostic cmdlet invoke network configuration diagnostic session for specified network profiles on target 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? False

Accept wildcard characters? false

-Profile

<System.Collections.Generic.List`1[Microsoft.Azure.Commands.Network.Models.PSNetworkConfigurationDiagnosticProfile]

>

List of network configuration diagnostic profiles.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

The name of the network watcher resource group.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceId <System.String>

Resource ID.

Required? true

Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-TargetResourceId <System.String>

The ID of the target resource to perform network configuration diagnostic. Valid options are VM, NetworkInterface, VMSS/NetworkInterface and Application Gateway.

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

-VerbosityLevel <System.String>

Verbosity level. Accepted values are 'Normal', 'Minimum', 'Full'.

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

Microsoft.Azure.Commands.Network.Models.PSNetworkWatcher

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSNetworkConfigurationDiagnosticResponse

NOTES

Keywords: azure, azurerm, arm, resource, management, manager, network, networking, watcher, diagnostic, profile

Example 1: Invoke network configuration diagnostic session for VM and specified network profile

```
$profile = New-AzNetworkWatcherNetworkConfigurationDiagnosticProfile -Direction Inbound -Protocol Tcp -Source  
10.1.1.4 -Destination * -DestinationPort 50
```

```
Invoke-AzNetworkWatcherNetworkConfigurationDiagnostic -Location eastus -TargetResourceId  
  
/subscriptions/61cc8a98-a8be-4bfe-a04e-0b461f93fe35/resourceGroups/NwRgEastUS/providers/Microsoft.Compute/virtual  
Machines/vm1 -Profile $profile
```

Results :

```
{  
  "Profile": {  
    "Direction": "Inbound",  
    "Protocol": "Tcp",  
    "Source": "10.1.1.4",  
    "Destination": "*",  
    "DestinationPort": "50"  
  },  
}
```

```

"NetworkSecurityGroupResult": {
  "SecurityRuleAccessResult": "Allow",
  "EvaluatedNetworkSecurityGroups": [
    {
      "NetworkSecurityGroupId": "/subscriptions/61cc8a98-a8be-4bfe-a04e-0b461f93fe35/resourceGroups/clean
upservice/providers/Microsoft.Network/networkSecurityGroups/rg-cleanupservice-nsg1",
      "MatchedRule": {
        "RuleName": "UserRule_Cleanuptool-Allow-4001",
        "Action": "Allow"
      },
      "RulesEvaluationResult": [
        {
          "Name": "UserRule_Cleanuptool-Allow-100",
          "ProtocolMatched": true,
          "SourceMatched": false,
          "SourcePortMatched": true,
          "DestinationMatched": true,
          "DestinationPortMatched": false
        }
      ],

```

RELATED LINKS

Online

Version:

<https://learn.microsoft.com/powershell/module/az.network/invoke-aznetworkwatchernetworkconfigurationdiagnostic>

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