



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

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

SYNOPSIS

Creates a new protocol configuration object.

SYNTAX

```
New-AzNetworkWatcherProtocolConfiguration [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Header
<System.Collections.IDictionary>] [-Method <System.String>] -Protocol <System.String> [-ValidStatusCode
<System.Int32[]>] [<CommonParameters>]
```

DESCRIPTION

The New-AzNetworkWatcherProtocolConfiguration cmdlet creates a new protocol configuration object. This object is

used to restrict the protocol configuration during a
connectivity check session using the specified criteria.

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

-Header <System.Collections.IDictionary>

list of HTTP headers

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Method <System.String>

HTTP method

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Protocol <System.String>

Protocol type

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

-ValidStatusCode <System.Int32[]>

valid status codes

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>).

INPUTS

None

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSNetworkWatcherProtocolConfiguration

NOTES

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

Example 1: Test Network Watcher Connectivity from a VM to a website with protocol configuration

```
$config = New-AzNetworkWatcherProtocolConfiguration -Protocol Http -Method Get -Header @{"accept"="application/json"} -ValidStatusCode @(200,202,204)
```

```
Test-AzNetworkWatcherConnectivity -NetworkWatcherName NetworkWatcher -ResourceGroupName NetworkWatcherRG -SourceId
```

```
"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/ContosoRG/providers/Microsoft.Compute/virtualMachines/MultiTierApp0" -DestinationAddress
```

```
"bing.com" -DestinationPort 80 -ProtocolConfiguration $config
```

ConnectionStatus : Reachable

AvgLatencyInMs : 4

MinLatencyInMs : 2

MaxLatencyInMs : 15

ProbesSent : 15

ProbesFailed : 0

Hops : [

{

"Type": "Source",

"Id": "f8cff464-e13f-457f-a09e-4dcd53d38a85",

"Address": "10.1.1.4",

"ResourceId":

```
"/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/ContosoRG/provi
```

```
ders/Microsoft.Network/networkInterfaces/appNic0/ipConfigurations/ipconfig1",
```

"NextHopIds": [

```
        "1034b1bf-0b1b-4f0a-93b2-900477f45485"
    ],
    "Issues": []
},
{
    "Type": "Internet",
    "Id": "1034b1bf-0b1b-4f0a-93b2-900477f45485",
    "Address": "13.107.21.200",
    "ResourceId": "Internet",
    "NextHopIds": [],
    "Issues": []
}
]
```

In this example we test connectivity from a VM in Azure to www.bing.com.

RELATED LINKS

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

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