



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

PS:\>Get-HELP Get-AzNetworkWatcherReachabilityReport -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-AzNetworkWatcherReachabilityReport

SYNOPSIS

Gets the relative latency score for internet service providers from a specified location to Azure regions.

SYNTAX

```
Get-AzNetworkWatcherReachabilityReport [-AsJob] [-City <System.String>] [-Country <System.String>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EndTime
    <System.DateTime>] [-Location <System.String[]>] [-NetworkWatcher
    <Microsoft.Azure.Commands.Network.Models.PSNetworkWatcher>] [-Provider <System.String[]>] [-StartTime
    <System.DateTime>] [-State <System.String>] [<CommonParameters>]
```

```
Get-AzNetworkWatcherReachabilityReport [-AsJob] [-City <System.String>] [-Country <System.String>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EndTime
```

<System.DateTime> [-Location <System.String[]>]

-NetworkWatcherLocation <System.String> [-Provider <System.String[]>] -StartTime <System.DateTime> [-State <System.String>] [<CommonParameters>]

Get-AzNetworkWatcherReachabilityReport [-AsJob] [-City <System.String>] [-Country <System.String>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EndTime <System.DateTime> [-Location <System.String[]>]
-NetworkWatcherName <System.String> [-Provider <System.String[]>] -ResourceGroupName <System.String> -StartTime <System.DateTime> [-State <System.String>]
[<CommonParameters>]

Get-AzNetworkWatcherReachabilityReport [-AsJob] [-City <System.String>] [-Country <System.String>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EndTime <System.DateTime> [-Location <System.String[]>] [-Provider <System.String[]>] -ResourceId <System.String> -StartTime <System.DateTime> [-State <System.String>]
[<CommonParameters>]

DESCRIPTION

The Get-AzNetworkWatcherReachabilityReport gets the relative latency score for internet service providers from a specified location to Azure regions.

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

-City <System.String>

The name of the city.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Country <System.String>

The name of the country.

Required? false

Position? named

Default value None

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

-EndTime <System.DateTime>

The end time for the Azure reachability report.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Location <System.String[]>

Optional Azure regions to scope the query to.

Required? false

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

-NetworkWatcherLocation <System.String>

Location of the network watcher.

Required? true

Position? named

Default value None

Accept pipeline input? False

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

-Provider <System.String[]>

List of Internet service providers.

Required? false
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>

The Id of network watcher resource.

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

-StartTime <System.DateTime>

The start time for the Azure reachability report.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-State <System.String>

The name of the state.

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

NOTES

Keywords: azure, azurearm, arm, resource, management, manager, network, networking, network watcher, reachability, report

----- Example 1 -----

```
$nw = Get-AzNetworkWatcher -Name NetworkWatcher -ResourceGroupName NetworkWatcherRG
```

```
Get-AzNetworkWatcherReachabilityReport -NetworkWatcher $nw -Location "West US" -Country "United States"
-StartTime "2017-10-10" -EndTime "2017-10-12"
```

```
"aggregationLevel" : "Country",
```

```
"providerLocation" : {
```

```
  "country" : "United States"
```

```
},
```

```
"reachabilityReport" : [
```

```
{
```

```
  "provider" : "Frontier Communications of America, Inc. - ASN 5650",
```

```
  "azureLocation": "West US",
```

```
  "latencies": [
```

```
    {
```

```
      "timeStamp": "2017-10-10T00:00:00Z",
```

```
      "score": 94
```

```
    },
```

```
    {
```

```
      "timeStamp": "2017-10-11T00:00:00Z",
```

```
      "score": 94
```

```
  },
```

```

    {
      "timeStamp": "2017-10-12T00:00:00Z",
      "score": 94
    }
  ]
}
]

```

Gets relative latencies to Azure Data Center in West US from 2017-10-10 to 2017-10-12 inside United State.

----- Example 2 -----

```

Get-AzNetworkWatcherReachabilityReport -Country 'United States' -EndTime '2017-10-12' -Location 'West US'
-NetworkWatcherName nw1 -ResourceGroupName myresourcegroup
-StartTime '2017-10-10' -State 'washington'

```

RELATED LINKS

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

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