Windows PowerShell Get-Help on Cmdlet 'Set-AzNetworkWatcherConfigFlowLog'

PS:\>Get-HELP Set-AzNetworkWatcherConfigFlowLog -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

Set-AzNetworkWatcherConfigFlowLog

SYNOPSIS

Configures flow logging for a target resource.

SYNTAX

Set-AzNetworkWatcherConfigFlowLog [-AsJob] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EnableFlowLog <System.Boolean> [-EnableRetention <System.Boolean>] [-EnableTrafficAnalytics] [-FormatType <System.String>] [-FormatVersion <System.Nullable`1[System.Int32]>]

-NetworkWatcher <Microsoft.Azure.Commands.Network.Models.PSNetworkWatcher> [-RetentionInDays <System.Int32>] -StorageAccountId <System.String> -TargetResourceId

<System.String> [-TrafficAnalyticsInterval <System.Int32>] -Workspace <Microsoft.Azure.Management.Internal.Network.Common.IOperationalInsightWorkspace> [-Confirm]

[-WhatIf] [<CommonParameters>]

Set-AzNetworkWatcherConfigFlowLog [-AsJob] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EnableFlowLog <System.Boolean> [-EnableRetention <System.Boolean>] [-EnableTrafficAnalytics] [-FormatType <System.String>] [-FormatVersion <System.Nullable`1[System.Int32]>] -NetworkWatcher <Microsoft.Azure.Commands.Network.Models.PSNetworkWatcher> [-RetentionInDays <System.Int32>] -StorageAccountId <System.String> -TargetResourceId <System.String> [-TrafficAnalyticsInterval <System.Int32>] -WorkspaceGUID <System.String> -WorkspaceLocation <System.String> -WorkspaceResourceId <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzNetworkWatcherConfigFlowLog [-AsJob] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EnableFlowLog <System.Boolean> [-EnableRetention <System.Boolean>] [-EnableTrafficAnalytics] [-FormatType <System.String>] [-FormatVersion <System.Nullable`1[System.Int32]>] -NetworkWatcherName <System.String> -ResourceGroupName <System.String> [-RetentionInDays <System.Int32>] -StorageAccountId <System.String> -TargetResourceId <System.String> [-TrafficAnalyticsInterval <System.Int32>] -Workspace <Microsoft.Azure.Management.Internal.Network.Common.IOperationalInsightWorkspace> [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzNetworkWatcherConfigFlowLog [-AsJob] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EnableFlowLog <System.Boolean> [-EnableRetention <System.Boolean>] [-EnableTrafficAnalytics] [-FormatType <System.String>] [-FormatVersion <System.Nullable`1[System.Int32]>] -NetworkWatcherName <System.String> -ResourceGroupName <System.String> [-RetentionInDays <System.Int32>] -StorageAccountId <System.String> -TargetResourceId <System.String> [-TrafficAnalyticsInterval <System.Int32>] -WorkspaceGUID <System.String> -WorkspaceLocation <System.String> -WorkspaceResourceId <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzNetworkWatcherConfigFlowLog [-AsJob] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EnableFlowLog
<System.Boolean> [-EnableRetention <System.Boolean>] [-EnableTrafficAnalytics] [-FormatType <System.String>] [-FormatVersion <System.Nullable`1[System.Int32]>]
-Location <System.String> [-RetentionInDays <System.Int32>] -StorageAccountId <System.String> -TargetResourceId <System.String> [-TrafficAnalyticsInterval
<System.Int32>] -Workspace <Microsoft.Azure.Management.Internal.Network.Common.IOperationalInsightWorkspace> [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzNetworkWatcherConfigFlowLog [-AsJob] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EnableFlowLog
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-Location <System.String> [-RetentionInDays <System.Int32>] -StorageAccountId <System.String> -TargetResourceId <System.String> [-TrafficAnalyticsInterval
<System.Int32>] -WorkspaceGUID <System.String> -WorkspaceLocation <System.String> -WorkspaceResourceId <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzNetworkWatcherConfigFlowLog [-AsJob] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EnableFlowLog
<System.Boolean> [-EnableRetention <System.Boolean>] [-FormatType <System.String>] [-FormatVersion <System.Nullable`1[System.Int32]>] -Location <System.String>
[-RetentionInDays <System.Int32>] -StorageAccountId <System.String> -TargetResourceId <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzNetworkWatcherConfigFlowLog [-AsJob] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EnableFlowLog
<System.Boolean> [-EnableRetention <System.Boolean>] [-FormatType <System.String>] [-FormatVersion <System.Nullable`1[System.Int32]>] -NetworkWatcher
<Microsoft.Azure.Commands.Network.Models.PSNetworkWatcher> [-RetentionInDays <System.Int32>] -StorageAccountId <System.String> -TargetResourceId <System.String>
[-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzNetworkWatcherConfigFlowLog [-AsJob] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -EnableFlowLog
<System.Boolean> [-EnableRetention <System.Boolean>] [-FormatType <System.String>] [-FormatVersion
<System.Nullable`1[System.Int32]>] -NetworkWatcherName
<System.String> -ResourceGroupName <System.String> [-RetentionInDays <System.Int32>] -StorageAccountId
<System.String> -TargetResourceId <System.String> [-Confirm]
[-WhatIf] [<CommonParameters>]

DESCRIPTION

The Set-AzNetworkWatcherConfigFlowLog configures flow logging for a target resource. Properties to configure include: whether or not flow logging is enabled for the
resource provided, the configured storage account to send logs, the flow logging format, and the retention policy for the logs. Currently Network Security Groups are
supported for flow logging.

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

-EnableFlowLog <System.Boolean>

Flag to enable/disable flow logging.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-EnableRetention <System.Boolean>

Flag to enable/disable retention.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-EnableTrafficAnalytics <System.Management.Automation.SwitchParameter>

Flag to enable/disable retention.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-FormatType <System.String>

Type of flow log format.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-FormatVersion <System.Nullable`1[System.Int32]>

Version of flow log format.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Location <System.String>

Location of the network watcher.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

-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

-RetentionInDays <System.Int32>

Number of days to retain flow log records.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StorageAccountId <System.String>

ID of the storage account which is used to store the flow log.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TargetResourceId <System.String>

The target resource ID.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TrafficAnalyticsInterval <System.Int32>

Gets or sets the interval (in minutes) which would decide how frequently TA service should do flow analytics. Supported values are 10 and 60 minutes.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Workspace <Microsoft.Azure.Management.Internal.Network.Common.IOperationalInsightWorkspace>

The WS object which is used to store the traffic analytics data.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-WorkspaceGUID <System.String>

GUID of the WS which is used to store the traffic analytics data.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-WorkspaceLocation <System.String>

Azure Region of the WS which is used to store the traffic analytics data.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-WorkspaceResourceId <System.String>

Subscription of the WS which is used to store the traffic analytics data.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false

Position? named

Default value False

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

Microsoft.Azure.Commands.Network.Models.PSNetworkWatcher

System.String

System.Boolean

System.Int32

System.Nullable`1[[System.Int32, System.Private.CoreLib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

Microsoft.Azure.Management.Internal.Network.Common.IOperationalInsightWorkspace

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSFlowLog

NOTES

Keywords: azure, azurerm, arm, resource, management, manager, network, networking, watcher, flow, logs, flowlog, logging

---- Example 1: Configure Flow Logging for a Specified NSG ----

$NW = Get-AzNetworkWatcher -ResourceGroupName NetworkWatcherRg -Name NetworkWatcher_westcentralus

$nsg = Get-AzNetworkSecurityGroup -ResourceGroupName NSGRG -Name appNSG

$storageId = "/subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Storage/storageAccounts/contosostorageacct123"

Set-AzNetworkWatcherConfigFlowLog -NetworkWatcher $NW -TargetResourceId $nsg.Id -EnableFlowLog $true -StorageAccountId $storageID

TargetResourceId : /subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Network/networkSecurityGroups/appNSG

StorageId : /subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Storage/storageAccounts/contosostorageacct123

Enabled : True

RetentionPolicy : {

"Days": 0,

"Enabled": false

}

Format : {

"Type ": "Json",

"Version": 1

}

In this example we configure flow logging status for a Network Security Group. In the response, we see the specified NSG has flow logging enabled, default format, and

no retention policy set.

Example 2: Configure Flow Logging for a Specified NSG and set the version of flow logging to 2.

$NW = Get-AzNetworkWatcher -ResourceGroupName NetworkWatcherRg -Name NetworkWatcher_westcentralus

$nsg = Get-AzNetworkSecurityGroup -ResourceGroupName NSGRG -Name appNSG

$storageId = "/subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Storage/storageAccounts/contosostorageacct123"

Set-AzNetworkWatcherConfigFlowLog -NetworkWatcher $NW -TargetResourceId $nsg.Id -EnableFlowLog $true -StorageAccountId $storageID -FormatVersion 2

TargetResourceId : /subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Network/networkSecurityGroups/appNSG

StorageId : /subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Storage/storageAccounts/contosostorageacct123

Enabled : True

RetentionPolicy : {

"Days": 0,

"Enabled": false

}

Format : {

"Type ": "Json",

"Version": 2

}

In this example, we configure flow logging on a Network Security Group (NSG) with version 2 logs specified. In the response, we see the specified NSG has flow logging

enabled, the format is set, and there is no retention policy configured. If the region does not support version you specified, Network Watcher will write the default

supported version in the region.

Example 3: Configure Flow Logging and Traffic Analytics for a Specified NSG

$NW = Get-AzNetworkWatcher -ResourceGroupName NetworkWatcherRg -Name NetworkWatcher_westcentralus

$nsg = Get-AzNetworkSecurityGroup -ResourceGroupName NSGRG -Name appNSG

$storageId = "/subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Storage/storageAccounts/contosostorageacct123"

$workspace = Get-AzOperationalInsightsWorkspace -Name WorkspaceName -ResourceGroupName WorkspaceRg

Set-AzNetworkWatcherConfigFlowLog -NetworkWatcher $NW -TargetResourceId $nsg.Id -EnableFlowLog $true -StorageAccountId $storageID -EnableTrafficAnalytics -Workspace

$workspace -TrafficAnalyticsInterval 60

TargetResourceId : /subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Network/networkSecurityGroups/appNSG

StorageId :

/subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Storage/storageAccounts/contosostorageacct123

Enabled : True

RetentionPolicy : {

"Days": 0,

"Enabled": false

}

Format : {

"Type ": "Json",

"Version": 1

}

FlowAnalyticsConfiguration : {

"networkWatcherFlowAnalyticsConfiguration": {

"enabled": true,

"workspaceId": "bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb",

"workspaceRegion": "WorkspaceLocation",

"workspaceResourceId":

"/subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourcegroups/WorkspaceRg/providers/microsoft.operationalinsights/workspaces/WorkspaceName",

"TrafficAnalyticsInterval": 60

}

}

In this example we configure flow logging status and Traffic Analytics for a Network Security Group. In the response, we see the specified NSG has flow logging and

Traffic Analytics enabled, default format, and no retention policy set.

Example 4: Disable Traffic Analytics for a Specified NSG with Flow Logging and Traffic Analytics configured

$NW = Get-AzNetworkWatcher -ResourceGroupName NetworkWatcherRg -Name NetworkWatcher_westcentralus

$nsg = Get-AzNetworkSecurityGroup -ResourceGroupName NSGRG -Name appNSG

$storageId = "/subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Storage/storageAccounts/contosostorageacct123"

$workspace = Get-AzOperationalInsightsWorkspace -Name WorkspaceName -ResourceGroupName WorkspaceRg

Set-AzNetworkWatcherConfigFlowLog -NetworkWatcher $NW -TargetResourceId $nsg.Id -EnableFlowLog $true -StorageAccountId $storageID -EnableTrafficAnalytics -Workspace

$workspace -TrafficAnalyticsInterval 60

Set-AzNetworkWatcherConfigFlowLog -NetworkWatcher $NW -TargetResourceId $nsg.Id -EnableFlowLog $true -StorageAccountId $storageID -EnableTrafficAnalytics:$false

-Workspace $workspace

TargetResourceId : /subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Network/networkSecurityGroups/appNSG

StorageId : /subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourceGroups/NSGRG/providers/Microsoft.Storage/storageAccounts/contosostorageacct123

Enabled : True

RetentionPolicy : {

"Days": 0,

"Enabled": false

}

Format : {

"Type ": "Json",

"Version": 1

}

FlowAnalyticsConfiguration : {

"networkWatcherFlowAnalyticsConfiguration": {

"enabled": false,

"workspaceId": "bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb",

"workspaceRegion": "WorkspaceLocation",
"workspaceResourceId":
"/subscriptions/bbbbbbbb-bbbb-bbbb-bbbb-bbbbbbbbbbbb/resourcegroups/WorkspaceRg/providers/microsoft.operationalinsights/workspaces/WorkspaceName",
"TrafficAnalyticsInterval": 60
}
}

In this example we disable Traffic Analytics for a Network Security Group which has flow logging and Traffic Analytics configured earlier. In the response, we see the
specified NSG has flow logging enabled but Traffic Analytics disabled.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.network/set-aznetworkwatcherconfigflowlog

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