



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

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

SYNOPSIS

Creates a VirtualNetworkTap resource.

SYNTAX

```

New-AzVirtualNetworkTap [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DestinationLoadBalancerFrontEndIPConfiguration
<Microsoft.Azure.Commands.Network.Models.PSFrontendIPConfiguration>] [-DestinationNetworkInterfaceIPConfiguration
<Microsoft.Azure.Commands.Network.Models.PSNetworkInterfaceIPConfiguration>] [-DestinationPort <System.Int32>]
[-Force] [-Location <System.String>] -Name
<System.String> -ResourceGroupName <System.String> [-Tag <System.Collections.Hashtable>] [-Confirm] [-WhatIf]
[<CommonParameters>]

```

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

[-DestinationLoadBalancerFrontEndIPConfigurationId <System.String>] [-DestinationNetworkInterfaceIPConfigurationId <System.String>] [-DestinationPort <System.Int32>]

[-Force] [-Location <System.String>] -Name <System.String> -ResourceGroupName <System.String> [-Tag <System.Collections.Hashtable>] [-Confirm] [-WhatIf]

[<CommonParameters>]

DESCRIPTION

The New-AzVirtualNetworkTap cmdlet creates an Azure virtual network tap 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

<Microsoft.Azure.Commands.Network.Models.PSFrontendIPConfiguration>

The reference of the destination load balancer front end IP configuration resource.

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

-DestinationLoadBalancerFrontEndIPConfigurationId <System.String>

The reference of the destination load balancer front end IP configuration resource.

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

<Microsoft.Azure.Commands.Network.Models.PSNetworkInterfaceIPConfiguration>

The reference of the destination network interface IP configuration resource.

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

-DestinationNetworkInterfaceIPConfigurationId <System.String>

The reference of the destination network interface IP configuration resource.

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

-DestinationPort <System.Int32>

The Destination Port of the packet collector

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

-Force <System.Management.Automation.SwitchParameter>

Do not ask for confirmation if you want to overwrite a resource

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-Location <System.String>

The location.

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

-Name <System.String>

The name of the tap.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceGroupName <System.String>

The resource group name of the virtual network tap.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Tag <System.Collections.Hashtable>

A hashtable which represents resource tags.

Required? false

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

System.String

System.Int32

System.Collections.Hashtable

Microsoft.Azure.Commands.Network.Models.PSNetworkInterfaceIPConfiguration

Microsoft.Azure.Commands.Network.Models.PSFrontendIPConfiguration

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSVirtualNetworkTap

NOTES

----- Example 1: Create an Azure virtual network tap -----

```
New-AzVirtualNetworkTap -Name "VirtualNetworkTap1" -ResourceGroupName "ResourceGroup1" -Location "centralus"
-DestinationPort 8888
-DestinationNetworkInterfaceIPConfiguration $destinationNic.IpConfigurations[0]
```

This command creates a virtual network tap named "VirtualNetworkTap1" which has destination VM configuration details (DestinationIpConfiguration, DestinationPort).

All the source tap configured VM's traffic will be routed to this Destination IP + Port.

Example 2: Create an Azure virtual network tap using LoadBalancer IP

```
# Create LoadBalancer
$frontend = New-AzLoadBalancerFrontendIpConfig -Name $frontendName -PublicIpAddress $publicip
New-AzVirtualNetworkTap -Name "VirtualNetworkTap1" -ResourceGroupName "ResourceGroup1" -Location "centralus"
-DestinationLoadBalancerFrontEndIPConfiguration $frontend
```

This command creates a virtual network tap named "VirtualNetworkTap1" which has destination VM configuration details (FrontEndIpConfiguration). All the source tap

configured VM's traffic will be routed to this LoadBalancer IpConfiguration. Default Destination Port is 4789.

RELATED LINKS

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

[Get-AzVirtualNetworkTap](#)

[Remove-AzVirtualNetworkTap](#)

[Set-AzVirtualNetworkTap](#)