



### ***Windows PowerShell Get-Help on Cmdlet 'New-AzVHubRoute'***

***PS:\>Get-HELP New-AzVHubRoute -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-AzVHubRoute

#### **SYNOPSIS**

Creates a VHubRoute object which can be passed as parameter to the New-AzVHubRouteTable command.

#### **SYNTAX**

```
New-AzVHubRoute [-DefaultProfile  
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Destination  
<System.String[]>  
-DestinationType <System.String> -Name <System.String> -NextHop <System.String> -NextHopType <System.String>  
[<CommonParameters>]
```

#### **DESCRIPTION**

Creates a VHubRoute object.

## 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

-Destination <System.String[]>

List of Destinations.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DestinationType <System.String>

Type of Destinations.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

The route name.

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

-NextHop <System.String>

The next hop.

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

-NextHopType <System.String>

The Next Hop type.

|                             |       |
|-----------------------------|-------|
| Required?                   | true  |
| 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

System.String

## OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSVHubRoute

## NOTES

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

```
$rgName = "testRg"
```

```
$firewallName = "testFirewall"
```

```
$firewall = Get-AzFirewall -Name $firewallName -ResourceGroupName $rgName
```

```
New-AzVHubRoute -Name "private-traffic" -Destination @"(10.30.0.0/16", "10.40.0.0/16") -DestinationType "CIDR"  
-NextHop $firewall.Id -NextHopType "ResourceId"
```

```
Name      : private-traffic
```

```
DestinationType : CIDR
```

```
Destinations  : {10.30.0.0/16, 10.40.0.0/16}
```

```
NextHopType   : ResourceId
```

```
NextHop       : /subscriptions/testSub/resourceGroups/testRg/providers/Microsoft.Network/azureFirewalls/testFirewall
```

The above command will create a VHubRoute object with nextHop as the specified Firewall which can then be added to a VHubRouteTable resource.

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

```

$rgName = "testRg"

$hubName = "testHub"

$hubVnetConnName = "testHubVnetConn"

$hubVnetConnection = Get-AzVirtualHubVnetConnection -Name $hubVnetConnName -ParentResourceName
$hubName -ResourceGroupName $rgName

New-AzVHubRoute -Name "nva-traffic" -Destination @("10.20.0.0/16", "10.50.0.0/16") -DestinationType "CIDR" -NextHop
$hubVnetConnection.Id -NextHopType "ResourceId"

```

```

Name          : private-traffic
DestinationType : CIDR
Destinations   : {10.30.0.0/16, 10.40.0.0/16}
NextHopType    : ResourceId
NextHop        :
                /subscriptions/testSub/resourceGroups/testRg/providers/Microsoft.Network/virtualHubs/testHub/hubVirtualNetworkConnections/testHubVnetConn

```

The above command will create a VHubRoute object with nextHop as the specified hubVnetConnection which can then be added to a VHubRouteTable resource.

### ----- Example 3 -----

```

$hub = Get-AzVirtualHub -ResourceGroupName "rgname" -Name "virtual-hub-name"

$hubVnetConn = Get-AzVirtualHubVnetConnection -ParentObject $hub -Name "connection-name"

$hubVnetConn

Name          : conn_2
Id            :

/s/subscriptions/{subscriptionID}/resourceGroups/{rgname}/providers/Microsoft.Network/virtualHubs/{virtual-hub-name}/hubVirtualNetworkConnections/conn_2

RemoteVirtualNetwork
/s/subscriptions/{subscriptionID}/resourceGroups/{rgname}/providers/Microsoft.Network/virtualNetworks/rVnet_2

```

EnableInternetSecurity : True

ProvisioningState : Succeeded

RoutingConfiguration : {

"AssociatedRouteTable": {

"Id":

"/subscriptions/{subscriptionID}/resourceGroups/{rgname}/providers/Microsoft.Network/virtualHubs/{virtual-hub-name}/hubRouteTables/defaultRouteTable"

},

"PropagatedRouteTables": {

"Labels": [

"default"

],

"Ids": [

{

"Id":

"/subscriptions/{subscriptionID}/resourceGroups/{rgname}/providers/Microsoft.Network/virtualHubs/{virtual-hub-name}/hubRouteTables/defaultRouteTable"

}

]

},

"VnetRoutes": {

"StaticRoutes": []

}

}

```
$staticRoute1 = New-AzStaticRoute -Name "static_route1" -AddressPrefix @("10.2.1.0/24", "10.2.3.0/24")  
-NextHopIpAddress "10.2.0.5"
```

```
$routingConfig = $hubVnetConn.RoutingConfiguration
```

```
$routingConfig.VnetRoutes.StaticRoutes = @($staticRoute1)
```

```
$routingConfig
```

AssociatedRouteTable : Microsoft.Azure.Commands.Network.Models.PSResourceId

PropagatedRouteTables : {

"Labels": [

"default"

],

"Ids": [

{

"Id":

"/subscriptions/{subscriptionID}/resourceGroups/{rgname}/providers/Microsoft.Network/virtualHubs/rTestHub1/hubRouteTables/defaultRouteTable"

}

]

}

VnetRoutes : {

"StaticRoutes": [

{

"Name": "static\_route1",

"AddressPrefixes": [

"10.2.1.0/24",

"10.2.3.0/24"

],

"NextHopIpAddress": "10.2.0.5"

}

]

}

Update-AzVirtualHubVnetConnection -InputObject \$hubVnetConn -RoutingConfiguration \$routingConfig

The above commands will get the RoutingConfiguration of an already existing AzVHubRoute and then add a static route on the connection. Alternatively, if you hope to

create a new connection with the static route within it, please see Example 1 here. (New-AzRoutingConfiguration.md)

## RELATED LINKS

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

Get-AzVHubRouteTable

New-AzVHubRouteTable

Remove-AzVHubRouteTable

Update-AzVHubRouteTable