



Windows PowerShell Get-Help on Cmdlet 'Update-AzVirtualHub'

PS:\>Get-HELP Update-AzVirtualHub -Full

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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

Update-AzVirtualHub

SYNOPSIS

Updates a virtual hub.

SYNTAX

Update-AzVirtualHub [-AddressPrefix <System.String>] [-AsJob] [-DefaultProfile

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

[-HubRoutingPreference {ExpressRoute | VpnGateway | ASPath}]

[-HubVnetConnection <Microsoft.Azure.Commands.Network.Models.PSHubVirtualNetworkConnection[]>] -InputObject

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

[-PreferredRoutingGateway {ExpressRoute | VpnGateway}] [-RouteTable

<Microsoft.Azure.Commands.Network.Models.PSVirtualHubRouteTable>] [-Sku <System.String>] [-Tag

<System.Collections.Hashtable>] [-VirtualRouterAsn <System.UInt32>] [-VirtualRouterAutoScaleConfigurationPage 1/11

<Microsoft.Azure.Commands.Network.Models.PSVirtualRouterAutoScaleConfiguration>] [-Confirm] [-WhatIf]
[<CommonParameters>]

Update-AzVirtualHub [-AddressPrefix <System.String>] [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>
[-HubRoutingPreference {ExpressRoute | VpnGateway | ASPath}]
[-HubVnetConnection <Microsoft.Azure.Commands.Network.Models.PSHubVirtualNetworkConnection[]>] -Name
<System.String> [-PreferredRoutingGateway {ExpressRoute |
VpnGateway}] -ResourceGroupName <System.String> [-RouteTable
<Microsoft.Azure.Commands.Network.Models.PSVirtualHubRouteTable>] [-Sku <System.String>] [-Tag
<System.Collections.Hashtable>] [-VirtualRouterAsn <System.UInt32>] [-VirtualRouterAutoScaleConfiguration
<Microsoft.Azure.Commands.Network.Models.PSVirtualRouterAutoScaleConfiguration>] [-Confirm] [-WhatIf]
[<CommonParameters>]

Update-AzVirtualHub [-AddressPrefix <System.String>] [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>
[-HubRoutingPreference {ExpressRoute | VpnGateway | ASPath}]
[-HubVnetConnection <Microsoft.Azure.Commands.Network.Models.PSHubVirtualNetworkConnection[]>]
[-PreferredRoutingGateway {ExpressRoute | VpnGateway}] -ResourceId
<System.String> [-RouteTable <Microsoft.Azure.Commands.Network.Models.PSVirtualHubRouteTable>] [-Sku
<System.String>] [-Tag <System.Collections.Hashtable>]
[-VirtualRouterAsn <System.UInt32>] [-VirtualRouterAutoScaleConfiguration
<Microsoft.Azure.Commands.Network.Models.PSVirtualRouterAutoScaleConfiguration>] [-Confirm]
[-WhatIf] [<CommonParameters>]

DESCRIPTION

The Update-AzVirtualHub cmdlet updates a virtual hub.

PARAMETERS

-AddressPrefix <System.String>

The address space string for this virtual hub.

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

-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

-HubRoutingPreference <System.String>

Virtual Hub Routing Preference to route traffic

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

-HubVnetConnection <Microsoft.Azure.Commands.Network.Models.PSHubVirtualNetworkConnection[]>

The hub virtual network connections associated with this Virtual Hub.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-InputObject <Microsoft.Azure.Commands.Network.Models.PSVirtualHub>

The Virtual hub object to be modified.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Name <System.String>

The resource name.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PreferredRoutingGateway <System.String>

Preferred Routing Gateway to Route On-Prem traffic from VNET (Deprecated, please use HubRoutingPreference)

Required? false

Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-ResourceGroupName <System.String>

The resource group name.

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

-ResourceId <System.String>

The resource id of the Virtual hub to be modified.

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

-RouteTable <Microsoft.Azure.Commands.Network.Models.PSVirtualHubRouteTable>

The route table associated with this Virtual Hub.

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

-Sku <System.String>

The sku of the Virtual Hub.

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

-Tag <System.Collections.Hashtable>

A hashtable which represents resource tags.

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

-VirtualRouterAsn <System.UInt32>

The ASN of this virtual hub

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

-VirtualRouterAutoScaleConfiguration

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

Autoscale configuration for the hub router

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

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

Microsoft.Azure.Commands.Network.Models.PSVirtualHub

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSVirtualHub

NOTES

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

```
New-AzResourceGroup -Location "West US" -Name "testRG"
```

```
$virtualWan = New-AzVirtualWan -ResourceGroupName "testRG" -Name "myVirtualWAN" -Location "West US"
```

```
    $virtualHub = New-AzVirtualHub -VirtualWan $virtualWan -ResourceGroupName "testRG" -Name "westushub"  
-AddressPrefix "10.0.1.0/24"
```

```
Update-AzVirtualHub -InputObject $virtualHub -AddressPrefix "10.0.2.0/24"
```

```
VirtualWan :  
/subscriptions/{subscriptionId}resourceGroups/testRG/providers/Microsoft.Network/virtualWans/myVirtualWAN  
ResourceGroupName : testRG  
Name : westushub  
Id :  
/subscriptions/{subscriptionId}resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/westushub  
AddressPrefix : 10.0.2.0/24  
RouteTable :  
VirtualNetworkConnections : {}  
Location : West US  
Sku : Standard  
Type : Microsoft.Network/virtualHubs  
ProvisioningState : Succeeded
```


The above will create a resource group "testRG", a Virtual WAN and a Virtual Hub in West US in that resource group in Azure. The virtual hub will have the address space "10.0.1.0/24".

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

```
New-AzResourceGroup -Location "West US" -Name "testRG"

$virtualWan = New-AzVirtualWan -ResourceGroupName "testRG" -Name "myVirtualWAN" -Location "West US"

New-AzVirtualHub -VirtualWan $virtualWan -ResourceGroupName "testRG" -Name "westushub" -AddressPrefix
"10.0.1.0/24"

$route1 = New-AzVirtualHubRoute -AddressPrefix @"("10.0.0.0/16", "11.0.0.0/16") -NextHopIpAddress "12.0.0.5"
$route2 = New-AzVirtualHubRoute -AddressPrefix @"("13.0.0.0/16") -NextHopIpAddress "14.0.0.5"
$routeTable = New-AzVirtualHubRouteTable -Route @($route1, $route2)

Update-AzVirtualHub -ResourceGroupName "testRG" -Name "westushub" -RouteTable $routeTable
```

```
VirtualWan :
/subscriptions/{subscriptionId}resourceGroups/testRG/providers/Microsoft.Network/virtualWans/myVirtualWAN
ResourceGroupName : testRG
Name : westushub
Id :
/subscriptions/{subscriptionId}resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/westushub
AddressPrefix : 192.168.2.0/24
RouteTable : Microsoft.Azure.Commands.Network.Models.PSVirtualHubRouteTable
VirtualNetworkConnections : {}
Location : West US
Sku : Standard
Type : Microsoft.Network/virtualHubs
ProvisioningState : Succeeded
```

The above will create a resource group "testRG", a Virtual WAN and a Virtual Hub in West US in that resource group in Azure. The virtual hub will have the address space "10.0.1.0/24". This example is similar to Example 1, but also attaches a route table to the virtual hub. *Page 9/11*

----- Example 3 -----

```
New-AzResourceGroup -Location "West US" -Name "testRG"
```

```
$virtualWan = New-AzVirtualWan -ResourceGroupName "testRG" -Name "myVirtualWAN" -Location "West US"
```

```
    New-AzVirtualHub -VirtualWan $virtualWan -ResourceGroupName "testRG" -Name "westushub" -AddressPrefix  
"10.0.1.0/24"
```

```
Update-AzVirtualHub -ResourceGroupName "testRG" -Name "westushub" -HubRoutingPreference "VpnGateway"
```

```
VirtualWan :  
/subscriptions/{subscriptionId}resourceGroups/testRG/providers/Microsoft.Network/virtualWans/myVirtualWAN  
ResourceGroupName : testRG  
Name : westushub  
Id :  
/subscriptions/{subscriptionId}resourceGroups/testRG/providers/Microsoft.Network/virtualHubs/westushub  
AddressPrefix : 10.0.1.0/24  
RouteTable :  
Location : West US  
Sku : Standard  
HubRoutingPreference : VpnGateway  
VirtualNetworkConnections : {}  
Location : West US  
Type : Microsoft.Network/virtualHubs  
ProvisioningState : Succeeded
```

The above will create a resource group "testRG", a Virtual WAN and a Virtual Hub in West US in that resource group in Azure. The virtual hub will have preferred routing gateway as ExpressRoute initially and will then be updated to VpnGateway.

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

Get-AzVirtualHub

New-AzVirtualHub

Remove-AzVirtualHub