



## ***Windows PowerShell Get-Help on Cmdlet 'Get-AzRoutingIntent'***

***PS: \>Get-HELP Get-AzRoutingIntent -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-AzRoutingIntent

### **SYNOPSIS**

Retrieves a routing intent resource associated with a VirtualHub.

### **SYNTAX**

```

Get-AzRoutingIntent [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-HubName
<System.String>] [-Name
<System.String>] -ResourceGroupName <System.String> [<CommonParameters>]
```

```

Get-AzRoutingIntent [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-Name
<System.String>]
```

-ParentResourceId <System.String> [<CommonParameters>]

Get-AzRoutingIntent

[-DefaultProfile

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

[-Name

<System.String>] -VirtualHub

<Microsoft.Azure.Commands.Network.Models.PSVirtualHub> [<CommonParameters>]

## DESCRIPTION

Gets the specified routing intent that is associated with the specified virtual hub.

## 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

-HubName <System.String>

The parent resource name.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

The resource name.

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

-ParentResourceId <System.String>

The parent resource id.

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

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

The parent resource.

Required? true  
Position? named  
Default value None  
Accept pipeline input? True (ByValue)  
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.PSVirtualHub

System.String

## OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSRoutingIntent

## NOTES

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

```
New-AzVirtualWan -ResourceGroupName "testRg" -Name "testWan" -Location "westcentralus" -VirtualWANType  
"Standard" -AllowVnetToVnetTraffic -AllowBranchToBranchTraffic
```

```
$virtualWan = Get-AzVirtualWan -ResourceGroupName "testRg" -Name "testWan"
```

```
New-AzVirtualHub -ResourceGroupName "testRg" -Name "testHub" -Location "westcentralus" -AddressPrefix  
"10.0.0.0/16" -VirtualWan $virtualWan
```

```
$virtualHub = Get-AzVirtualHub -ResourceGroupName "testRg" -Name "testHub"
```

```
$fwlp = New-AzFirewallHubPublicIpAddress -Count 1
```

```
$hublpAddresses = New-AzFirewallHubIpAddress -PublicIP $fwlp
```

```
New-AzFirewall -Name "testFirewall" -ResourceGroupName "testRg" -Location "westcentralus" -Sku AZFW_Hub  
-VirtualHubId $virtualHub.Id -HubIpAddress $hublpAddresses
```

```
$firewall = Get-AzFirewall -Name "testFirewall" -ResourceGroupName "testRg"
```

```
$policy1 = New-AzRoutingPolicy -Name "PrivateTraffic" -Destination @("PrivateTraffic") -NextHop $firewall.Id
```

```
$policy2 = New-AzRoutingPolicy -Name "PublicTraffic" -Destination @("Internet") -NextHop $firewall.Id
```

```
New-AzRoutingIntent -ResourceGroupName "testRg" -VirtualHubName "testHub" -Name "testRoutingIntent"  
-RoutingPolicy @($policy1, $policy2)
```

```
Get-AzRoutingIntent -ResourceGroupName "testRg" -VirtualHubName "testHub" -Name "testRoutingIntent"
```

ProvisioningState : Succeeded

RoutingPolicies : {PrivateTraffic, PublicTraffic}

RoutingPoliciesText : [

```
{  
  "Name": "PrivateTraffic",  
  "DestinationType": "TrafficType",  
  "Destinations": [  
    "PrivateTraffic"  
  ],  
  "NextHopType": "ResourceId",
```

"NextHop":

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

```
},  
  
{  
  "Name": "PublicTraffic",  
  "DestinationType": "TrafficType",  
  "Destinations": [  

```

```

        "Internet"
      ],
      "NextHopType": "ResourceId",
      "NextHop":
"/subscriptions/testSub/resourceGroups/testRg/providers/Microsoft.Network/azureFirewalls/testFirewall"
    }
  ]
Name      : testRoutingIntent
Etag      : W/"etag"
Id        :
/subscriptions/testSub/resourceGroups/testRg/providers/Microsoft.Network/virtualHubs/testHub/routingIntent/testRoutingIntent

```

This command gets the routing intent of the virtual hub.

#### ----- Example 2 -----

```

$rgName = "testRg"
$virtualHubName = "testHub"
Get-AzRoutingIntent -Name $riName -VirtualHub $virtualHub

```

```

ProvisioningState : Succeeded
RoutingPolicies   : {PrivateTraffic, PublicTraffic}
RoutingPoliciesText : [
    {
      "Name": "PrivateTraffic",
      "DestinationType": "TrafficType",
      "Destinations": [
        "PrivateTraffic"
      ],
      "NextHopType": "ResourceId",

```

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

```
},
```

```
{
```

```
  "Name": "PublicTraffic",
```

```
  "DestinationType": "TrafficType",
```

```
  "Destinations": [
```

```
    "Internet"
```

```
  ],
```

```
  "NextHopType": "ResourceId",
```

```
  "NextHop":
```

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

```
  }
```

```
]
```

```
Name      : testRoutingIntent
```

```
Etag      : W/"etag"
```

```
Id
```

```
:
```

```
/subscriptions/testSub/resourceGroups/testRg/providers/Microsoft.Network/virtualHubs/testHub/routingIntent/testRoutingIntent
```

This command get the routing intent in the specified VirtualHub.

## RELATED LINKS

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

New-AzVHubRoute

New-AzRoutingIntent

Set-AzRoutingIntent

Remove-AzRoutingIntent