



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

PS:\>Get-HELP New-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

New-AzRoutingIntent

SYNOPSIS

Creates a routing intent resource associated with a VirtualHub.

SYNTAX

```
New-AzRoutingIntent [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Name <System.String>
-ParentObject <Microsoft.Azure.Commands.Network.Models.PSVirtualHub> -RoutingPolicy
<Microsoft.Azure.Commands.Network.Models.PSRoutingPolicy[]> [-Confirm] [-WhatIf]
[<CommonParameters>]
```

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

-ParentResourceId <System.String> -RoutingPolicy <Microsoft.Azure.Commands.Network.Models.PSRoutingPolicy[]>
[-Confirm] [-WhatIf] [<CommonParameters>]
```

```

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

-ParentResourceName <System.String> -ResourceGroupName <System.String> -RoutingPolicy
<Microsoft.Azure.Commands.Network.Models.PSRoutingPolicy[]> [-Confirm] [-WhatIf]
[<CommonParameters>]
```

DESCRIPTION

Creates the specified routing intent that is associated with the specified virtual hub with the provided list of routing policies.

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

-Name <System.String>

The resource name.

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

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

The parent virtual hub object of this resource.

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

-ParentResourceId <System.String>

The resource id of the virtual hub resource.

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

-ParentResourceName <System.String>

The parent resource name.

Required? true
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

-RoutingPolicy <Microsoft.Azure.Commands.Network.Models.PSRoutingPolicy[]>

The list of routing policies for this routing intent resource.

Required? true
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

Microsoft.Azure.Commands.Network.Models.PSVirtualHub

Microsoft.Azure.Commands.Network.Models.PSRoutingPolicy

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSRoutingIntent

----- 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
```

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

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

```
$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)
```

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/testRoutingInte
nt

```

This command creates a routing intent of the virtual hub.

RELATED LINKS

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

Add-AzRoutingPolicy

Get-AzRoutingIntent

Get-AzRoutingPolicy

New-AzRoutingPolicy

Remove-AzRoutingIntent

Remove-AzRoutingPolicy

Set-AzRoutingIntent

Set-AzRoutingPolicy