



Windows PowerShell Get-Help on Cmdlet 'Add-AzRouteConfig'

PS:\>Get-HELP Add-AzRouteConfig -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

Add-AzRouteConfig

SYNOPSIS

Adds a route to a route table.

SYNTAX

```

Add-AzRouteConfig [-AddressPrefix <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Name
<System.String>] [-NextHopIpAddress <System.String>] [-NextHopType <System.String>] -RouteTable
<Microsoft.Azure.Commands.Network.Models.PSRouteTable> [-Confirm]
[-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The Add-AzRouteConfig cmdlet adds a route to an Azure route table.

PARAMETERS

-AddressPrefix <System.String>

Specifies the destination, in Classless Interdomain Routing (CIDR) format, to which the route applies. You can also specify a Service Tag here (this feature is in Public Preview).

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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>

Specifies a name of the route to add to the route table.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-NextHopIpAddress <System.String>

Specifies the IP address of a virtual appliance that you add to your Azure virtual network. This route forwards packets to that address. Specify this parameter only if you specify a value of VirtualAppliance for the NextHopType parameter.

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

-NextHopType <System.String>

Specifies how this route forwards packets. The acceptable values for this parameter are: - Internet. The default Internet gateway provided by Azure. - None. If

you specify this value, the route does not forward packets. - VirtualAppliance. A virtual appliance that you add to your Azure virtual network. -

VirtualNetworkGateway. An Azure server-to-server virtual private network gateway. - VnetLocal. The local virtual network. If you have two subnets, 10.1.0.0/16

and 10.2.0.0/16 in the same virtual network, select a value of VnetLocal for each subnet to forward to the other subnet.

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

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

Specifies the route table to which this cmdlet adds a route.

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

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.PSRouteTable

System.String

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSRouteTable

NOTES

----- Example 1: Add a route to a route table -----

```
$RouteTable = Get-AzRouteTable -ResourceGroupName "ResourceGroup11" -Name "RouteTable01"
```

```
Add-AzRouteConfig -Name "Route13" -AddressPrefix 10.3.0.0/16 -NextHopType "VnetLocal" -RouteTable $RouteTable
```

The first command gets a route table named RouteTable01 by using the Get-AzRouteTable cmdlet. The command stores the table in the \$RouteTable variable. The second

command adds a route named Route13 to the route table stored in \$RouteTable. This route forwards packets to the local virtual network.

Example 2: Add a route to a route table by using the pipeline

```
Get-AzRouteTable -ResourceGroupName "ResourceGroup11" -Name "RouteTable01" | Add-AzRouteConfig -Name  
"Route02" -AddressPrefix 10.2.0.0/16 -NextHopType VnetLocal |
```

```
Set-AzRouteTable
```

Name : routetable01

ResourceGroupName : ResourceGroup11

Location : eastus

Id : /subscriptions/xxxx-xxxx-xxxx-xxxx/resourceGroups/ResourceGroup11/providers/Microsoft.Network/routeTables/routetable01

Etag : W/"f13e1bc8-d41f-44d0-882d-b8b5a1134f59"

ProvisioningState : Succeeded

Tags :

Routes : [

{

"Name": "route07",

"Etag": "W/"f13e1bc8-d41f-44d0-882d-b8b5a1134f59\"",

"Id": "/subscriptions/xxxx-xxxx-xxxx-xxxx/resourceGroups/ResourceGroup11/providers/Microsoft.Network/routeTables/routetable01/routes/route07",

"AddressPrefix": "10.1.0.0/16",

"NextHopType": "VnetLocal",

"NextHopIpAddress": null,

"ProvisioningState": "Succeeded"

},

{

"Name": "route02",

"Etag": "W/"f13e1bc8-d41f-44d0-882d-b8b5a1134f59\"",

"Id": "/subscriptions/xxxx-xxxx-xxxx-xxxx/resourceGroups/ResourceGroup11/providers/Microsoft.Network/routeTables/routetable01/routes/route02",

"AddressPrefix": "10.2.0.0/16",

"NextHopType": "VnetLocal",

"NextHopIpAddress": null,

"ProvisioningState": "Succeeded"

},

{

"Name": "route13",

"Etag": null,

"Id": null,

"AddressPrefix": "10.3.0.0/16",

"NextHopType": "VnetLocal",

"NextHopIpAddress": null,

"ProvisioningState": null

}

]

Subnets : []

This command gets the route table named RouteTable01 by using Get-AzRouteTable . The command passes that table to the current cmdlet by using the pipeline operator.

The current cmdlet adds the route named Route02, and then passes the result to the Set-AzRouteTable cmdlet, which updates the table to reflect your changes.

Example 3: Add a route with a Service Tag to a route table (Public Preview)

```
$RouteTable = Get-AzRouteTable -ResourceGroupName "ResourceGroup11" -Name "RouteTable01"
```

```
Add-AzRouteConfig -Name "Route13" -AddressPrefix "AppService" -NextHopType "VirtualAppliance" -NextHopIpAddress  
"10.0.2.4" -RouteTable $RouteTable
```

The first command gets a route table named RouteTable01 by using the Get-AzRouteTable cmdlet. The command stores the table in the \$RouteTable variable. The second

command adds a route named Route13 to the route table stored in \$RouteTable. This route forwards traffic to IP prefixes contained in the AppService Service Tag to a

virtual appliance.

RELATED LINKS

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

Get-AzRouteConfig

Get-AzRouteTable

New-AzRouteConfig

Remove-AzRouteConfig

Set-AzRouteConfig

Set-AzRouteTable

