



Windows PowerShell Get-Help on Cmdlet 'Get-AzExpressRouteCircuit'

PS:\>Get-HELP Get-AzExpressRouteCircuit -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-AzExpressRouteCircuit

SYNOPSIS

Gets an Azure ExpressRoute circuit from Azure.

SYNTAX

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

DESCRIPTION

The Get-AzExpressRouteCircuit cmdlet is used to retrieve an ExpressRoute circuit object from your subscription. The

circuit object returned can be used as input to
other cmdlets that operate on ExpressRoute circuits.

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

-Name <System.String>

The name of the ExpressRoute circuit.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? true

-ResourceGroupName <System.String>

The name of the resource group that contains the ExpressRoute circuit.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? true

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.PSExpressRouteCircuit

NOTES

----- Example 1: Get the ExpressRoute circuit -----

Get-AzExpressRouteCircuit -ResourceGroupName testrg -Name test

```
Name                : test
ResourceGroupName    : testrg
Location             : southcentralus
Id                   : /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/testrg/providers/Microsoft.Network/expressRouteCircuits/test
Etag                  : W/"00000000-0000-0000-0000-000000000000"
ProvisioningState     : Succeeded
Sku                   : {
                        "Name": "Standard_UnlimitedData",
```

```

        "Tier": "Standard",
        "Family": "UnlimitedData"
    }

CircuitProvisioningState      : Enabled

ServiceProviderProvisioningState : NotProvisioned

ServiceProviderNotes          :

ServiceProviderProperties      : {
    "ServiceProviderName": "AT&T",
    "PeeringLocation": "Silicon Valley",
    "BandwidthInMbps": 50
}

ExpressRoutePort              : null

BandwidthInGbps               :

Stag                          :

ServiceKey                    : 00000000-0000-0000-0000-000000000000

Peerings                      : []

Authorizations                 : []

AllowClassicOperations        : False

GatewayManagerEtag            :

```

Get a specific ExpressRoute circuit with Name "testrg" and ResourceGroupName "test"

-- Example 2: List the ExpressRoute circuits using filtering --

Get-AzExpressRouteCircuit -Name test*

```

Name                : test1

ResourceGroupName    : testrg

Location             : southcentralus

Id                  : /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/testrg/providers/Microsoft.Network/expressRouteCircuits/test1

Etag                 : W/"00000000-0000-0000-0000-000000000000"

```

ProvisioningState : Succeeded

Sku : {
"Name": "Standard_UnlimitedData",
"Tier": "Standard",
"Family": "UnlimitedData"
}

CircuitProvisioningState : Enabled

ServiceProviderProvisioningState : NotProvisioned

ServiceProviderNotes :

ServiceProviderProperties : {
"ServiceProviderName": "AT&T",
"PeeringLocation": "Silicon Valley",
"BandwidthInMbps": 50
}

ExpressRoutePort : null

BandwidthInGbps :

Stag :

ServiceKey : 00000000-0000-0000-0000-000000000000

Peerings : []

Authorizations : []

AllowClassicOperations : False

GatewayManagerEtag :

Name : test2

ResourceGroupName : testrg

Location : southcentralus

Id : /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/testrg/providers/Microsoft.Network/expressRouteCircuits/test2

Etag : W/"00000000-0000-0000-0000-000000000000"

ProvisioningState : Succeeded

Sku : {
"Name": "Standard_UnlimitedData",
"Tier": "Standard",

```

        "Family": "UnlimitedData"
    }

    CircuitProvisioningState      : Enabled
    ServiceProviderProvisioningState : NotProvisioned
    ServiceProviderNotes         :
    ServiceProviderProperties      : {
        "ServiceProviderName": "AT&T",
        "PeeringLocation": "Silicon Valley",
        "BandwidthInMbps": 50
    }

    ExpressRoutePort      : null
    BandwidthInGbps       :
    Stag                  :
    ServiceKey             : 00000000-0000-0000-0000-000000000000
    Peerings               : []
    Authorizations         : []
    AllowClassicOperations : False
    GatewayManagerEtag     :

```

Get all ExpressRoute circuits whose name starts with "test".

RELATED LINKS

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

Move-AzExpressRouteCircuit

New-AzExpressRouteCircuit

Remove-AzExpressRouteCircuit

Set-AzExpressRouteCircuit