



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

PS: \>Get-HELP Get-AzVirtualNetwork -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-AzVirtualNetwork

SYNOPSIS

Gets a virtual network in a resource group.

SYNTAX

```

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

```

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

`[-ResourceGroupName <System.String>] [<CommonParameters>]`

DESCRIPTION

The `Get-AzVirtualNetwork` cmdlet gets one or more virtual networks in a resource group.

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

`-ExpandResource <System.String>`

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

`-Name <System.String>`

Specifies the name of the virtual network that this cmdlet gets.

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

Accept wildcard characters? true

-ResourceGroupName <System.String>

Specifies the name of the resource group that virtual network belongs to.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? true

<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

OUTPUTS

Microsoft.Azure.Commands.Network.Models.PSVirtualNetwork

NOTES

Get-AzVirtualNetwork -Name MyVirtualNetwork -ResourceGroupName TestResourceGroup

```
Name           : MyVirtualNetwork1
ResourceGroupName : TestResourceGroup
Location        : eastus
Id              : /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/TestResourceGroup
                  /providers/Microsoft.Network/virtualNetworks/MyVirtualNetwork1
Etag            : W/"00000000-0000-0000-0000-000000000000"
ResourceGuid     : 00000000-0000-0000-0000-000000000000
ProvisioningState : Succeeded
Tags             :
AddressSpace      : {
                    "AddressPrefixes": [
                        "xx.x.x.x/x"
                    ]
                }
DhcpOptions       : {}
FlowTimeoutInMinutes : null
Subnets          : []
VirtualNetworkPeerings : []
EnableDdosProtection : false
DdosProtectionPlan : null
```

This command gets the virtual network named MyVirtualNetwork in the resource group TestResourceGroup

----- Example 2: List virtual networks using filter -----

Get-AzVirtualNetwork -Name MyVirtualNetwork*

```
Name           : MyVirtualNetwork1
ResourceGroupName : TestResourceGroup
```

```

Location      : eastus
Id            : /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/TestResourceGroup
               /providers/Microsoft.Network/virtualNetworks/MyVirtualNetwork1
Etag          : W/"00000000-0000-0000-0000-000000000000"
ResourceGuid  : 00000000-0000-0000-0000-000000000000
ProvisioningState : Succeeded
Tags          :
AddressSpace  : {
               "AddressPrefixes": [
               "xx.x.x.x/x"
               ]
               }
DhcpOptions   : {}
FlowTimeoutInMinutes : null
Subnets      : []
VirtualNetworkPeerings : []
EnableDdosProtection : false
DdosProtectionPlan : null

```

This command gets all virtual networks that start with "MyVirtualNetwork".

RELATED LINKS

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

New-AzVirtualNetwork

Remove-AzVirtualNetwork

Set-AzVirtualNetwork