



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

PS: \>Get-HELP New-AzNetworkVirtualAppliance -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-AzNetworkVirtualAppliance

SYNOPSIS

Create a Network Virtual Appliance resource.

SYNTAX

```

New-AzNetworkVirtualAppliance [-AdditionalNic
<Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceAdditionalNicProperties[]>] [-AsJob]
[-BootStrapConfigurationBlob <System.String[]>] [-CloudInitConfiguration <System.String>] [-CloudInitConfigurationBlob
<System.String[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force] [-Identity
<Microsoft.Azure.Commands.Network.Models.PSManagedServiceIdentity>] [-InternetIngressIp
<Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceInternetIngressIpsProperties[]>] [-NetworkProfile
<Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceNetworkProfile>] -Location <System.String> -Name

```

```

<System.String> -ResourceGroupName <System.String> -Sku
    <Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceSkuProperties> [-Tag <System.Collections.Hashtable>]
-VirtualApplianceAsn <System.Int32> -VirtualHubId
    <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzNetworkVirtualAppliance                                [-AdditionalNic
<Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceAdditionalNicProperties[]>] [-AsJob]
    [-BootStrapConfigurationBlob <System.String[]>] [-CloudInitConfiguration <System.String>] [-CloudInitConfigurationBlob
<System.String[]>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force] [-Identity
    <Microsoft.Azure.Commands.Network.Models.PSManagedServiceIdentity>] [-InternetIngressIp
    <Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceInternetIngressIpsProperties[]>] [-NetworkProfile
    <Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceNetworkProfile>] -Location <System.String>
-ResourceId <System.String> -Sku
    <Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceSkuProperties> [-Tag <System.Collections.Hashtable>]
-VirtualApplianceAsn <System.Int32> -VirtualHubId
    <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The New-AzNetworkVirtualAppliance command creates a Network Virtual Appliance(NVA) resource in Azure.

PARAMETERS

-AdditionalNic <Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceAdditionalNicProperties[]>

The AdditionalNic Properties of the Virtual Appliance.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-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

-BootStrapConfigurationBlob <System.String[]>

The Bootstrap configuration blob URL.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CloudInitConfiguration <System.String>

The Cloudinit configuration as plain text.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CloudInitConfigurationBlob <System.String[]>

The Cloudinit configuration blob storage URL.

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

-Force <System.Management.Automation.SwitchParameter>

Do not ask for confirmation if you want to overwrite a resource

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Identity <Microsoft.Azure.Commands.Network.Models.PSManagedServiceIdentity>

The Managed identity.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-InternetIngressIps <Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceInternetIngressIpsProperties[]>

The Internet Ingress IPs to be attached to the Virtual Appliance.

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

-NetworkProfile <Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceNetworkProfile>

The Network Profile to be attached to the Virtual Appliance.

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

-Location <System.String>

The public IP address location.

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

-Name <System.String>

The resource name.

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? True (ByPropertyName)

Accept wildcard characters? false

-ResourceId <System.String>

The resource Id.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Sku <Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceSkuProperties>

The Sku of the Virtual Appliance.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Tag <System.Collections.Hashtable>

A hashtable which represents resource tags.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VirtualApplianceAsn <System.Int32>

The ASN number of the Virtual Appliance.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VirtualHubId <System.String>

The Resource Id of the Virtual Hub.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

System.String

Microsoft.Azure.Commands.Network.Models.PSVirtualApplianceSkuProperties

System.Int32

Microsoft.Azure.Commands.Network.Models.PSManagedServiceIdentity

System.String[]

System.Collections.Hashtable

OUTPUTS

NOTES

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

```
$sku=New-AzVirtualApplianceSkuProperty -VendorName "barracudasdwanrelease" -BundledScaleUnit 1  
-MarketPlaceVersion 'latest'
```

```
$hub=Get-AzVirtualHub -ResourceGroupName testrg -Name hub
```

```
$nva=New-AzNetworkVirtualAppliance -ResourceGroupName testrg -Name nva -Location eastus2 -VirtualApplianceAsn  
1270 -VirtualHubId $hub.Id -Sku $sku  
-CloudInitConfiguration "echo Hello World!"
```

Creates a new Network Virtual Appliance resource in resource group: testrg.

----- Example 2 -----

```
$sku=New-AzVirtualApplianceSkuProperty -VendorName "ciscosdwantest" -BundledScaleUnit 4 -MarketPlaceVersion  
'17.6.03'
```

```
$hub=Get-AzVirtualHub -ResourceGroupName testrg -Name hub
```

```
$additionalNic=New-AzVirtualApplianceAdditionalNicProperty -NicName "sdwan" -HasPublicIp $true
```

```
$nva=New-AzNetworkVirtualAppliance -ResourceGroupName testrg -Name nva -Location eastus2 -VirtualApplianceAsn
```

65222 -VirtualHubId \$hub.Id -Sku \$sku

-CloudInitConfiguration "echo Hello World!" -AdditionalNic \$additionalNic

Creates a new Network Virtual Appliance resource in resource group: testrg with additional nic "sdwan" and a public IP attached to "sdwan" nic.

----- Example 3 -----

```
$sku=New-AzVirtualApplianceSkuProperty -VendorName "ciscosdwantest" -BundledScaleUnit 4 -MarketPlaceVersion  
'17.6.03'
```

```
$hub=Get-AzVirtualHub -ResourceGroupName testrg -Name hub
```

```
$id1 =
```

```
"/subscriptions/{subscriptionid}/resourceGroups/testrg/providers/Microsoft.Network/publicIPAddresses/{publicip1name}"
```

```
$pip2 = Get-AzPublicIpAddress -Name publicip2name
```

```
$id2 = $pip2.Id
```

```
$IngressIps=New-AzVirtualApplianceInternetIngressIpsProperty -InternetIngressPublicIpId $id1, $id2
```

```
$nva=New-AzNetworkVirtualAppliance -ResourceGroupName testrg -Name nva -Location eastus2 -VirtualApplianceAsn  
65222 -VirtualHubId $hub.Id -Sku $sku
```

```
-CloudInitConfiguration "echo Hello World!" -InternetIngressIp $IngressIps
```

Creates a new Network Virtual Appliance resource in resource group: testrg with 2 Internet Ingress Public IPs attached to it.

----- Example 4 -----

```
$sku = New-AzVirtualApplianceSkuProperty -VendorName "ciscosdwantest" -BundledScaleUnit 4 -MarketPlaceVersion  
'17.6.03'
```

```
$hub = Get-AzVirtualHub -ResourceGroupName testrg -Name hub
```

```
$ipConfig1 = New-AzVirtualApplianceIpConfiguration -Name "publicnicipconfig" -Primary $true
```

```
$ipConfig2 = New-AzVirtualApplianceIpConfiguration -Name "publicnicipconfig-2" -Primary $false
```

```

$nicConfig1 = New-AzVirtualApplianceNetworkInterfaceConfiguration -NicType "PublicNic" -IpConfiguration $ipConfig1,
$ipConfig2

$ipConfig3 = New-AzVirtualApplianceIpConfiguration -Name "privatenicipconfig" -Primary $true
$ipConfig4 = New-AzVirtualApplianceIpConfiguration -Name "privatenicipconfig-2" -Primary $false
$nicConfig2 = New-AzVirtualApplianceNetworkInterfaceConfiguration -NicType "PrivateNic" -IpConfiguration $ipConfig3,
$ipConfig4

$networkProfile = New-AzVirtualApplianceNetworkProfile -NetworkInterfaceConfiguration $nicConfig1, $nicConfig2

$nva = New-AzNetworkVirtualAppliance -ResourceGroupName testrg -Name nva -Location eastus2 -VirtualApplianceAsn
65222 -VirtualHubId $hub.Id -Sku $sku
-CloudInitConfiguration "echo Hello World!" -NetworkProfile $networkProfile

```

Creates a new Network Virtual Appliance resource in resource group: testrg with network profile containing 2 IP configurations on both network interfaces.

RELATED LINKS

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