



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

PS: \>Get-HELP Add-AzServiceFabricNodeType -Full

NAME

Add-AzServiceFabricNodeType

SYNOPSIS

Add a new node type to the existing cluster.

SYNTAX

```
Add-AzServiceFabricNodeType [-ResourceGroupName] <System.String> [-Name] <System.String> -Capacity
<System.Int32> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DurabilityLevel
{Bronze | Silver | Gold}] [-IsPrimaryNodeType
<System.Nullable`1[System.Boolean]>] -NodeType <System.String> [-Tier <System.String>] [-VMImageOffer
<System.String>] [-VMImagePublisher <System.String>]
[-VMImageSku <System.String>] [-VMImageVersion <System.String>] -VmPassword <System.Security.SecureString>
[-VmSku <System.String>] -VmUserName <System.String>
[-Confirm] [-WhatIf] [<CommonParameters>]
```

Add a new node type to a existing cluster.

PARAMETERS

-Capacity <System.Int32>

Capacity

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

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

-DurabilityLevel <Microsoft.Azure.Commands.ServiceFabric.Models.DurabilityLevel>

Specify the durability level of the NodeType.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-IsPrimaryNodeType <System.Nullable`1[System.Boolean]>

Define whether the node type is a primary node type. Primary node type may have seed nodes and system sources.

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

-Name <System.String>

Specify the name of the cluster

Required? true
Position? 1
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-NodeType <System.String>

The node type name

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

-ResourceGroupName <System.String>

Specify the name of the resource group.

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-Tier <System.String>

Vm Sku Tier

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-VMImageOffer <System.String>

Specify the VM image reference Offer.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-VMImagePublisher <System.String>

Specify the VM image reference Publisher.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-VMImageSku <System.String>

Specify the VM image reference Sku.

Required? false

Position? named

Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-VMImageVersion <System.String>

Specify the VM image reference Version.

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

-VmPassword <System.Security.SecureString>

The password for login to the Vm

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

-VmSku <System.String>

The sku name

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

-VmUserName <System.String>

The user name for logging to Vm

Required? true
Position? named
Default value None
Accept pipeline input? True (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

System.String

System.Int32

System.Security.SecureString

Microsoft.Azure.Commands.ServiceFabric.Models.DurabilityLevel

System.Nullable<System.Boolean>

OUTPUTS

Microsoft.Azure.Commands.ServiceFabric.Models.PSCluster

NOTES

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

```
$pwd = ConvertTo-SecureString -String 'Password$123456' -AsPlainText -Force
```

```
Add-AzServiceFabricNodeType -ResourceGroupName 'Group1' -Name 'Contoso01SFCluster' -NodeType 'n2' -Capacity  
5 -VmUserName 'adminName' -VmPassword $pwd
```

This command will add a new NodeType 'n2' with capacity of 5, and the vm admin name is 'adminName'.

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

```
$pwd = ConvertTo-SecureString -String 'Password$123456' -AsPlainText -Force
$resourceGroup = "Group2"
$clusterName = "Contoso01SFCluster"
$nodeTypeName = "n3"

Add-AzServiceFabricNodeType -ResourceGroupName $resourceGroup -Name $clusterName -NodeType
$nodeTypeName -Capacity 5 -VmUserName 'adminName' -VmPassword $pwd
-DurabilityLevel Silver -Verbose -VMImageSku 18.04-LTS -IsPrimaryNodeType $true
```

This command will add a new NodeType 'n3' with capacity of 5, the vm admin name is 'adminName', Durability level Silver (tenant and infrastructure jobs are safely

brokered using the Infrastructure Service), and VMSS is created using VM image profile publisher-offer-sku-version with sku interchanged to '18.04-LTS'.

RELATED LINKS

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