



Windows PowerShell Get-Help on Cmdlet 'Set-AzServiceFabricManagedNodeType'

PS:\>Get-HELP Set-AzServiceFabricManagedNodeType -Full

NAME

Set-AzServiceFabricManagedNodeType

SYNOPSIS

Sets node type resource properties or run reimage actions on specific ndes of the node type with -Reimage parameter.

SYNTAX

```
Set-AzServiceFabricManagedNodeType [-ResourceGroupName] <System.String> [-ClusterName] <System.String>
[-Name] <System.String> [-ApplicationEndPoint
<System.Nullable`1[System.Int32]>] [-ApplicationStartPort <System.Nullable`1[System.Int32]>] [-AsJob] [-Capacity
<System.Collections.Hashtable>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EphemeralEndPoint
<System.Nullable`1[System.Int32]>] [-EphemeralStartPort
<System.Nullable`1[System.Int32]>] [-InstanceCount <System.Nullable`1[System.Int32]>] [-PlacementProperty
<System.Collections.Hashtable>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Set-AzServiceFabricManagedNodeType [-ResourceGroupName] <System.String> [-ClusterName] <System.String>
[-Name] <System.String> [-AsJob] [-DefaultProfile
```

```
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ForceReimage]
-NodeName <System.String[]> [-PassThru] -Reimage [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Set-AzServiceFabricManagedNodeType [-ResourceId] <System.String> [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ForceReimage]
-NodeName <System.String[]> [-PassThru] -Reimage [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Set-AzServiceFabricManagedNodeType [-InputObject]
<Microsoft.Azure.Commands.ServiceFabric.Models.PSManagedNodeType> [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ForceReimage]
-NodeName <System.String[]> [-PassThru] -Reimage [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Set-AzServiceFabricManagedNodeType [-InputObject]
<Microsoft.Azure.Commands.ServiceFabric.Models.PSManagedNodeType> [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Set-AzServiceFabricManagedNodeType [-ResourceId] <System.String> [-AsJob] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

DESCRIPTION

Sets node type resource properties or run reimage actions on specific nodes of the node type with -Reimage parameter. On reimage operation the service fabric nodes will be disabled before reimagining the vms and enabled them back again once they come back. If this is done on primary node types it might take a while as it might not reimage all the nodes at the same time. Use -ForceReimage force the operation even if service fabric is unable to disable the nodes but use with caution as this might cause data loss if stateful workloads are running on the node.

PARAMETERS

-ApplicationEndPort <System.Nullable`1[System.Int32]>

Application End port of a range of ports.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ApplicationStartPort <System.Nullable`1[System.Int32]>

Application start port of a range of ports.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background and return a Job to track progress.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Capacity <System.Collections.Hashtable>

Capacity tags applied to the nodes in the node type as key/value pairs, the cluster resource manager uses these tags to understand how much resource a node has.

Updating this will override the current values.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-ClusterName <System.String>

Specify the name of the cluster.

Required? true
Position? 1
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

-EphemeralEndPort <System.Nullable`1[System.Int32]>

Ephemeral end port of a range of ports.

Required? false
Position? named
Default value None
Accept pipeline input? False

Accept wildcard characters? false

-EphemeralStartPort <System.Nullable`1[System.Int32]>

Ephemeral start port of a range of ports.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ForceReimage <System.Management.Automation.SwitchParameter>

Using this flag will force the removal even if service fabric is unable to disable the nodes. Use with caution as this might cause data loss if stateful workloads are running on the node.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-InputObject <Microsoft.Azure.Commands.ServiceFabric.Models.PSManagedNodeType>

Node type resource

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-InstanceCount <System.Nullable`1[System.Int32]>

The number of nodes in the node type.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Name <System.String>

Specify the name of the node type.

Required? true
Position? 2
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-NodeName <System.String[]>

List of node names for the operation.

Required? true
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PassThru <System.Management.Automation.SwitchParameter>

{{ Fill PassThru Description }}

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-PlacementProperty <System.Collections.Hashtable>

Placement tags applied to nodes in the node type as key/value pairs, which can be used to indicate where certain services (workload) should run. Updating this will override the current values.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-Reimage <System.Management.Automation.SwitchParameter>

Specify to reimage nodes on the node type.

Required?	true
Position?	named
Default value	False
Accept pipeline input?	False
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

-ResourceId <System.String>

Node type resource id

Required? true
Position? 0
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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

System.String

OUTPUTS

System.Boolean

NOTES

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

```
$rgName = "testRG"
```

```
$clusterName = "testCluster"
```

```
$NodeTypeNames = "nt1"
```

```
Set-AzServiceFabricManagedNodeType -ResourceGroupName $rgName -ClusterName $clusterName -name  
$NodeTypeNames -InstanceCount 6 -Verbose
```

Update the instance count of the node type.

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

```
$rgName = "testRG"
```

```
$clusterName = "testCluster"
```

```
$NodeTypeNames = "nt1"
```

```
Set-AzServiceFabricManagedNodeType -ResourceGroupName $rgName -ClusterName $clusterName -name  
$NodeTypeNames -PlacementProperty @{NodeColor="Red";SomeProperty="6";}  
-Verbose
```

Update placement properties of the node type. This will overwrite older placement properties if any.

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

```
$rgName = "testRG"
```

```
$clusterName = "testCluster"
```

```
$NodeTypeNames = "nt1"
```

```
Set-AzServiceFabricManagedNodeType -ResourceGroupName $rgName -ClusterName $clusterName -Name  
$NodeTypeNames -Reimage -NodeName nt1_0, nt1_3
```

Reimage node 0 and 3 on the node type.

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

```
$rgName = "testRG"
```

```
$clusterName = "testCluster"
```

```
$NodeTypeNames = "nt1"
```

```
$nodeType = Get-AzServiceFabricManagedNodeType -ResourceGroupName $rgName -ClusterName $clusterName  
-Name $NodeTypeNames
```

```
$nodeType.VmInstanceCount = 6
```

```
$nodeType | Set-AzServiceFabricManagedNodeType
```

Update the instance count of the node type, with piping.

RELATED LINKS

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