



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

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

NAME

Set-AzServiceFabricManagedClusterService

SYNOPSIS

Update a managed service from the cluster. Only supports ARM deployed services.

SYNTAX

```
Set-AzServiceFabricManagedClusterService [-ResourceGroupName] <System.String> [-ClusterName] <System.String>
[-ApplicationName] <System.String> [-Name]
<System.String> [-AsJob] [-Correlation <Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceCorrelation[]>]
[-DefaultMoveCost {Zero | Low | Medium | High}]
[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-Force] [-InstanceCount <System.Int32>] [-Metric
<Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceMetric[]>] [-MinInstanceCount <System.Int32>]
[-MinInstancePercentage <System.Int32>] [-PlacementConstraint
<System.String>] [-ServicePackageActivationMode {SharedProcess | ExclusiveProcess}] -Stateless [-Tag
<System.Collections.Hashtable>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```

Set-AzServiceFabricManagedClusterService [-ResourceGroupName] <System.String> [-ClusterName] <System.String>
[-ApplicationName] <System.String> [-Name]
<System.String> [-AsJob] [-Correlation <Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceCorrelation[]>]
[-DefaultMoveCost {Zero | Low | Medium | High}]
[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-Force] [-HasPersistedState] [-Metric
<Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceMetric[]>] [-MinReplicaSetSize <System.Int32>]
[-PlacementConstraint <System.String>] [-QuorumLossWaitDuration
<System.TimeSpan>] [-ReplicaRestartWaitDuration <System.TimeSpan>] [-ServicePackageActivationMode
{SharedProcess | ExclusiveProcess}] [-ServicePlacementTimeLimit
<System.TimeSpan>] [-StandByReplicaKeepDuration <System.TimeSpan>] -Stateful [-Tag
<System.Collections.Hashtable>] [-TargetReplicaSetSize <System.Int32>] [-Confirm]
[-WhatIf] [<CommonParameters>]

```

```

Set-AzServiceFabricManagedClusterService [-AsJob] [-Correlation
<Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceCorrelation[]>] [-DefaultMoveCost {Zero | Low
| Medium | High}] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force]
[-HasPersistedState] [-Metric
<Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceMetric[]>] [-MinReplicaSetSize <System.Int32>]
[-PlacementConstraint <System.String>] [-QuorumLossWaitDuration
<System.TimeSpan>] [-ReplicaRestartWaitDuration <System.TimeSpan>] -ResourceId <System.String>
[-ServicePackageActivationMode {SharedProcess | ExclusiveProcess}]
[-ServicePlacementTimeLimit <System.TimeSpan>] [-StandByReplicaKeepDuration <System.TimeSpan>] -Stateful [-Tag
<System.Collections.Hashtable>] [-TargetReplicaSetSize
<System.Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Set-AzServiceFabricManagedClusterService [-AsJob] [-Correlation
<Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceCorrelation[]>] [-DefaultMoveCost {Zero | Low
| Medium | High}] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force]
[-HasPersistedState]

```

```
<Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceMetric[]>
    [-MinReplicaSetSize <System.Int32>] [-PlacementConstraint <System.String>] [-QuorumLossWaitDuration
<System.TimeSpan>] [-ReplicaRestartWaitDuration <System.TimeSpan>]
    [-ServicePackageActivationMode {SharedProcess | ExclusiveProcess}] [-ServicePlacementTimeLimit
<System.TimeSpan>] [-StandByReplicaKeepDuration <System.TimeSpan>]
    -Stateful [-Tag <System.Collections.Hashtable>] [-TargetReplicaSetSize <System.Int32>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Set-AzServiceFabricManagedClusterService [-AsJob] [-Correlation
<Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceCorrelation[]>] [-DefaultMoveCost {Zero | Low
| Medium | High}] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force] -InputObject
<Microsoft.Azure.Commands.ServiceFabric.Models.PSManagedService> [-InstanceCount <System.Int32>] [-Metric
<Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceMetric[]>] [-MinInstanceCount <System.Int32>]
[-MinInstancePercentage <System.Int32>] [-PlacementConstraint
<System.String>] [-ServicePackageActivationMode {SharedProcess | ExclusiveProcess}] -Stateless [-Tag
<System.Collections.Hashtable>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Set-AzServiceFabricManagedClusterService [-AsJob] [-Correlation
<Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceCorrelation[]>] [-DefaultMoveCost {Zero | Low
| Medium | High}] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force]
[-InstanceCount <System.Int32>]
[-Metric <Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceMetric[]>] [-MinInstanceCount <System.Int32>]
[-MinInstancePercentage <System.Int32>]
[-PlacementConstraint <System.String>] -ResourceId <System.String> [-ServicePackageActivationMode {SharedProcess
| ExclusiveProcess}] -Stateless [-Tag
<System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

This cmdlet updates a managed service form the cluster.

PARAMETERS

-ApplicationName <System.String>

Specify the name of the managed application.

Required? true

Position? 2

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

-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

-Correlation <Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceCorrelation[]>

Specify the placement constraints of the managed service, as a string.

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

-DefaultMoveCost <Microsoft.Azure.Commands.ServiceFabric.Models.MoveCostEnum>

Specify the default cost for a move. Higher costs make it less likely that the Cluster Resource Manager will move the replica when trying to balance the cluster

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

Continue without prompts

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

-HasPersistedState <System.Management.Automation.SwitchParameter>

Specify the target replica set size for the managed service

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

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

The managed service resource.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-InstanceCount <System.Int32>

Specify the instance count for the managed service

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Metric <Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceMetric[]>

Specify the placement constraints of the managed service, as a string.

Required? false

Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-MinInstanceCount <System.Int32>

Specify the minimum instance count for the managed service

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

-MinInstancePercentage <System.Int32>

Specify the minimum instance percentage for the managed service

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

-MinReplicaSetSize <System.Int32>

Specify the min replica set size for the managed service

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

-Name <System.String>

Specify the name of the managed service.

Required? true
Position? 3
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PlacementConstraint <System.String>

Specify the placement constraints of the managed service, as a string.

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

-QuorumLossWaitDuration <System.TimeSpan>

Specify the quorum loss wait duration for the managed service. Duration represented in ISO 8601 format 'hh:mm:ss'

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

-ReplicaRestartWaitDuration <System.TimeSpan>

Specify the replica restart wait duration for the managed service. Duration represented in ISO 8601 format 'hh:mm:ss'

Required? false
Position? named
Default value None
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>

Arm ResourceId of the managed service.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ServicePackageActivationMode

<Microsoft.Azure.Commands.ServiceFabric.Models.ServicePackageActivationModeEnum>

Specify the default cost for a move. Higher costs make it less likely that the Cluster Resource Manager will move the replica when trying to balance the cluster

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ServicePlacementTimeLimit <System.TimeSpan>

Specify the service placement time limit for the managed service. Duration represented in ISO 8601 format 'hh:mm:ss'

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

-StandByReplicaKeepDuration <System.TimeSpan>

Specify the stand by replica duration for the managed service. Duration represented in ISO 8601 format 'hh:mm:ss'

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

-Stateful <System.Management.Automation.SwitchParameter>

Use for stateful service

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

-Stateless <System.Management.Automation.SwitchParameter>

Use for stateless service

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

-Tag <System.Collections.Hashtable>

Specify the tags as key/value pairs.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TargetReplicaSetSize <System.Int32>

Specify the target replica set size for the managed service

Required? false

Position? named

Default value None

Accept pipeline input? False

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

Microsoft.Azure.Commands.ServiceFabric.Models.PSManagedService

System.Collections.Hashtable

OUTPUTS

Microsoft.Azure.Commands.ServiceFabric.Models.PSManagedService

NOTES

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

\$resourceGroupName = "testRG"

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

```
$appName = "testApp"
```

```
$serviceName = "testService1"
```

```
Set-AzServiceFabricManagedClusterService -ResourceGroupName $resourceGroupName -ClusterName $clusterName  
-ApplicationName $appName -Name $serviceName -Stateful  
-TargetReplicaSetSize 3 -MinReplicaSetSize 5 -Verbose
```

This example will update the managed service "testService1".

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

```
$resourceGroupName = "testRG"
```

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

```
$appName = "testApp"
```

```
$serviceName = "testService1"
```

```
$minInstancePercentage = 20
```

```
$minInstanceCount = 2
```

```
$statelessServiceMetric = New-Object -TypeName "Microsoft.Azure.Commands.ServiceFabric.Models.PSServiceMetric"  
-ArgumentList @("metric1", "Low", 4)
```

```
$service = Get-AzServiceFabricManagedClusterService -ResourceGroupName $resourceGroupName -ClusterName  
$clusterName -ApplicationName $appName
```

```
$service | Set-AzServiceFabricManagedClusterService -Stateless -Metric @($statelessServiceMetric) -MinInstanceCount  
$minInstanceCount -MinInstancePercentage  
$minInstancePercentage -Verbose
```

This example will remove the managed service testService1".

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

```
$standByReplicaKeepDuration = "00:11:00"
```

```
$servicePlacementTimeLimit = "00:11:00"
```

\$resourceId =

```
"/subscriptions/13ad2c84-84fa-4798-ad71-e70c07af873f/resourcegroups/testRG/providers/Microsoft.ServiceFabric/managedClusters/testCluster/applications/testApp/services/testService"
```

```
Set-AzServiceFabricManagedClusterService -ResourceId $resourceId -StandByReplicaKeepDuration $standByReplicaKeepDuration -ServicePlacementTimeLimit $servicePlacementTimeLimit -Verbose
```

This example will remove the managed service details with the ARM Resource ID specified.

RELATED LINKS

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