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

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

NAME

   Set-AzVmssRollingUpgradePolicy

SYNOPSIS

   Sets the VMSS rolling upgrade policy properties.

SYNTAX

   Set-AzVmssRollingUpgradePolicy   [-VirtualMachineScaleSet]
<Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet> [[-MaxBatchInstancePercent]
   <System.Int32>]   [[-MaxUnhealthyInstancePercent]   <System.Int32>]   [[-MaxUnhealthyUpgradedInstancePercent]
<System.Int32>] [-DefaultProfile
   <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableCrossZoneUpgrade <System.Boolean>] [-MaxSurge
   <System.Nullable`1[System.Boolean]>] [-PauseTimeBetweenBatches <System.String>] [-PrioritizeUnhealthyInstance
<System.Boolean>] [-Confirm] [-WhatIf]
   [<CommonParameters>]

DESCRIPTION

Sets the VMSS rolling upgrade policy properties.

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

-EnableCrossZoneUpgrade <System.Boolean>

Allow VMSS to ignore AZ boundaries when constructing upgrade batches. Take into consideration the Update Domain and maxBatchInstancePercent to determine the batch

size.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-MaxBatchInstancePercent <System.Int32>

The maximum percent of total virtual machine instances that will be upgraded simultaneously by the rolling upgrade in one batch. As this is a maximum, unhealthy

instances in previous or future batches can cause the percentage of instances in a batch to decrease to ensure higher reliability. If the value is not specified,

it is set to 20.

Required?   false

Position?   1

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

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

    If enabled, VMSS will create new virtual machines to upgrade the scale set, rather than updating the existing virtual machines. Existing virtual machines will be

    deleted once the new virtual machines are created for each batch.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-MaxUnhealthyInstancePercent <System.Int32>

    The maximum percentage of the total virtual machine instances in the scale set that can be simultaneously unhealthy, either as a result of being upgraded, or by

        being found in an unhealthy state by the virtual machine health checks before the rolling upgrade aborts. This constraint will be checked prior to starting any

    batch. If the value is not specified, it is set to 20.

Required?   false

Position?   2

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-MaxUnhealthyUpgradedInstancePercent <System.Int32>

    The maximum percentage of upgraded virtual machine instances that can be found to be in an unhealthy state. This check will happen after each batch is upgraded.

    If this percentage is ever exceeded, the rolling update aborts. If the value is not specified, it is set to 20.

Required?   false

Position?   3

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-PauseTimeBetweenBatches <System.String>

    The wait time between completing the update for all virtual machines in one batch and starting the next batch. The time

duration should be specified in ISO 8601

    format. The default value is 0 seconds (PT0S).

Required?   false

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-PrioritizeUnhealthyInstance <System.Boolean>

    Upgrade all unhealthy instances in a scale set before any healthy instances.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-VirtualMachineScaleSet <Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet>

    Specifies the VMSS object. You can use the New-AzVmssConfig cmdlet to create the object.

Required?   true

Position?   0

Default value   None

Accept pipeline input?   True (ByPropertyName, 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

Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet

System.Int32

System.String

OUTPUTS

Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet

NOTES

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

Set-AzVmssRollingUpgradePolicy -VirtualMachineScaleSet $vmss -MaxBatchInstancePercent 40 -MaxUnhealthyInstancePercent 35 -MaxUnhealthyUpgradedInstancePercent 30
-PauseTimeBetweenBatches "PT30S"

This command sets 40 percent for MaxBatchInstance, 35 percent for MaxUnhealthyInstance, 30 percent for MaxUnhealthyUpgradedInstance and 30 second pause time between
batches for VMSS local object $vmss.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.compute/set-azvmssrollingupgradepolicy