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Windows PowerShell Get-Help on Cmdlet 'Update-AzVmss'

PS:\>Get-HELP Update-AzVmss -Full

NAME

Update-AzVmss

SYNOPSIS

Updates the state of a VMSS.

SYNTAX

Update-AzVmss [-ResourceGroupName] <System.String> [-VMScaleSetName] <System.String> [[-VirtualMachineScaleSet]

<Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet>] [-AsJob] [-AutomaticOSUpgrade
<System.Boolean>] [-AutomaticRepairAction {Replace |

Restart | Reimage}] [-AutomaticRepairGracePeriod <System.String>] [-BaseRegularPriorityCount <System.Int32>] [-BootDiagnosticsEnabled <System.Boolean>]

[-BootDiagnosticsStorageUri <System.String>] [-CapacityReservationGroupId <System.String>] [-CustomData <System.String>] [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DisableAutoRollback <System.Boolean>] [-DisablePasswordAuthentication

<System.Boolean>] [-EnableAutomaticRepair <System.Boolean>] [-EnableAutomaticUpdate <System.Boolean>]

[-EnableVtpm <System.Nullable`1[System.Boolean]>] [-EncryptionAtHost <System.Boolean>] [-IdentityId <System.String[]>] -IdentityType {SystemAssigned | UserAssigned |

SystemAssignedUserAssigned | None} [-IfMatch <System.String>] [-IfNoneMatch <System.String>] [-ImageReferenceId <System.String>] [-ImageReferenceOffer

<System.String>] [-ImageReferencePublisher <System.String>] [-ImageReferenceSku <System.String>]
[-ImageReferenceVersion <System.String>] [-ImageUri <System.String>]

[-LicenseType <System.String>] [-ManagedDiskStorageAccountType <System.String>] [-MaxBatchInstancePercent <System.Int32>] [-MaxPrice <System.Double>]

[-MaxUnhealthyInstancePercent <System.Int32>] [-MaxUnhealthyUpgradedInstancePercent <System.Int32>] [-OsDiskCaching {None | ReadOnly | ReadWrite}]

[-OsDiskWriteAccelerator <System.Boolean>] [-OSImageScheduledEventEnabled]
[-OSImageScheduledEventNotBeforeTimeoutInMinutes <System.String>] [-Overprovision

<System.Boolean>] [-PauseTimeBetweenBatches <System.String>] [-PlanName <System.String>] [-PlanPromotionCode <System.String>]

[-PlanPublisher <System.String>] [-ProvisionVMAgent <System.Boolean>] [-ProximityPlacementGroupId <System.String>] [-RegularPriorityPercentage <System.Int32>]

[-ScaleInPolicy <System.String[]>] [-ScaleInPolicyForceDeletion <System.Boolean>] [-SecurityType {TrustedLaunch | ConfidentialVM | Standard}] [-SharedGalleryImageId

<System.String>] [-SinglePlacementGroup <System.Boolean>] [-SkipExtensionsOnOverprovisionedVMs
<System.Boolean>] [-SkuCapacity <System.Int32>] [-SkuName

<System.String>] [-SkuTier <System.String>] [-Tag <System.Collections.Hashtable>]
[-TerminateScheduledEventNotBeforeTimeoutInMinutes <System.Int32>]

[-TerminateScheduledEvents <System.Boolean>] [-TimeZone <System.String>] [-UltraSSDEnabled <System.Boolean>] [-UpgradePolicyMode {Automatic | Manual | Rolling}]

[-UserData <System.String>] [-VhdContainer <System.String[]>] [-Confirm] [-Whatlf] [<CommonParameters>]

DESCRIPTION

The Update-AzVmss cmdlet updates the state of a Virtual Machine Scale Set (VMSS) to the state of a local VMSS object.

PARAMETERS

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

-AutomaticOSUpgrade <System.Boolean>

Sets whether OS upgrades should automatically be applied to scale set instances in a rolling fashion when a newer version of the image becomes available.

Required?

false

Position?

named

Default value

None

Accept pipeline input?

False

Accept wildcard characters? false

-AutomaticRepairAction <System.String>

Type of repair action (replace, restart, reimage) that will be used for repairing unhealthy virtual machines in the scale set. Default value is replace.

Required?

false

Position?

named

Default value

None

Accept pipeline input?

True (ByPropertyName)

Accept wildcard characters? false

-AutomaticRepairGracePeriod <System.String>

The amount of time for which automatic repairs are suspended due to a state change on VM. The grace time starts after the state change has completed. This helps

avoid premature or accidental repairs. The time duration should be specified in ISO 8601 format. The minimum allowed

also the default value. The maximum allowed grace period is 90 minutes (PT90M).

Required?

Position? named

false

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-BaseRegularPriorityCount <System.Int32>

Specifies the minimum number of VMs that must be of Regular priority as a VMSS Flex instance scales out. This parameter is only valid for VMSS instances with

Flexible OrchestrationMode.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-BootDiagnosticsEnabled <System.Boolean>

Whether boot diagnostics should be enabled on the virtual machine scale set.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-BootDiagnosticsStorageUri <System.String>

URI of the storage account to use for placing the console output and screenshot.

Required? false

Position? named Page 4/26

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CapacityReservationGroupId <System.String>

Id of the capacity reservation Group that is used to allocate.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CustomData <System.String>

Specifies a base-64 encoded string of custom data. This is decoded to a binary array that is saved as a file on the virtual machine. The maximum length of the

binary array is 65535 bytes.
 For using cloud-init for your VM, see Using cloud-init to customize a Linux VM during creation

(/azure/virtual-machines/linux/tutorial-automate-vm-deployment).

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

The credentials, account, tenant, and subscription used for communication with azure.

Required? false

Position? named

Default value None

Accept pipeline input? False Page 5/26

-DisableAutoRollback <System.Boolean>

Disable Auto Rollback for Auto OS Upgrade Policy

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DisablePasswordAuthentication <System.Boolean>

Indicates that this cmdlet disables password authentication for Linux OS.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-EnableAutomaticRepair <System.Boolean>

Enable or disable automatic repairs on the virtual machine scale set.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-EnableAutomaticUpdate <System.Boolean>

Indicates whether the Windows virtual machines in the VMSS are enabled for automatic updates.

Required? false Page 6/26

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

Specifies whether secure boot should be enabled on the virtual machine.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

Specifies whether vTPM should be enabled on the virtual machine.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-EncryptionAtHost <System.Boolean>

This parameter can be used by user in the request to enable or disable the Host Encryption for the virtual machine scale set.

Required? false

Position? named

Default value None

Accept pipeline input? False

-IdentityId <System.String[]>

Specifies the list of user identities associated with the virtual machine scale set. The user identity references will be

ARM resource ids in the form:

/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.ManagedIdentity/identities/{identi

tyName}'

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-IdentityType <System.Nullable`1[Microsoft.Azure.Management.Compute.Models.ResourceIdentityType]>

Specifies the type of identity used for the virtual machine scale set. The type 'SystemAssignedUserAssigned' includes

both an implicitly created identity and a

set of user assigned identities. The type 'None' will remove any identities from the virtual machine scale set. The

acceptable values for this parameter are: -

SystemAssigned

- UserAssigned
- SystemAssignedUserAssigned
- None

Required? true

Position? named

Default value None

Accept pipeline input? False

used to make a request conditional for the PUT and other non-safe methods. The server will only return the requested resources if the resource matches one of the

listed ETag values. Omit this value to always overwrite the current resource. Specify the last-seen ETag value to prevent accidentally overwriting concurrent

changes.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-IfNoneMatch <System.String>

Used to make a request conditional for the GET and HEAD methods. The server will only return the requested resources if none of the listed ETag values match the

current entity. Used to make a request conditional for the GET and HEAD methods. The server will only return the requested resources if none of the listed ETag

values match the current entity. Set to '*' to allow a new record set to be created, but to prevent updating an existing record set. Other values will result in

error from server as they are not supported.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ImageReferenceId <System.String>

Specifies the image reference ID.

Required? false

Position? named

Default value None Page 9/26

Accept pipeline input? False

Accept wildcard characters? false

-ImageReferenceOffer <System.String>

Specifies the type of virtual machine image (VMImage) offer. To obtain an image offer, use the Get-AzVMImageOffer cmdlet.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ImageReferencePublisher <System.String>

Specifies the name of a publisher of a VMImage. To obtain a publisher, use the Get-AzVMImagePublisher cmdlet.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ImageReferenceSku <System.String>

Specifies the VMImage SKU. To obtain SKUs, use the Get-AzVMImageSku cmdlet.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ImageReferenceVersion <System.String>

Specifies the version of the VMImage. To use the latest version, specify a value of latest instead of a partious of the VMImage.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ImageUri <System.String>

Specifies the blob URI for the user image. VMSS creates an operating system disk in the same container of the user image.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-LicenseType <System.String>

Specify the license type, which is for bringing your own license scenario.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ManagedDiskStorageAccountType <System.String>

Specifies the storage account type for managed disk. The acceptable values for this parameter are: - Standard_LRS

- Premium_LRS

Required? false

Position? named Page 11/26

Default value None

Accept pipeline input? False

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? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-MaxPrice <System.Double>

Specifies the maximum price you are willing to pay for a low priority VM/VMSS. This price is in US Dollars. This price will be compared with the current low

priority price for the VM size. Also, the prices are compared at the time of create/update of low priority VM/VMSS and the operation will only succeed if the

maxPrice is greater than the current low priority price. The maxPrice will also be used for evicting a low priority VM/VMSS if the current low priority price goes

beyond the maxPrice after creation of VM/VMSS. Possible values are: any decimal value greater than zero. Example: 0.01538. -1 indicates that the low priority

VM/VMSS should not be evicted for price reasons. Also, the default max price is -1 if it is not provided by you.

Required? false

Position? named

Default value None

Accept pipeline input? 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? named

Default value None

Accept pipeline input? False

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? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-OsDiskCaching < Microsoft. Azure. Management. Compute. Models. Caching Types >

Specifies the caching mode of the operating system disk. The acceptable values for this parameter are: - None

- ReadOnly
- ReadWrite

affects the consistency and performance

of the disk.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-OsDiskWriteAccelerator <System.Boolean>

Specifies whether WriteAccelerator should be enabled or disabled on the OS disk.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-OSImageScheduledEventEnabled <System.Management.Automation.SwitchParameter>

Specifies whether the OS Image Scheduled event is enabled or disabled.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-OSImageScheduledEventNotBeforeTimeoutInMinutes <System.String>

The length of time a virtual machine being reimaged or having its OS upgraded will have to potentially approve the OS Image Scheduled Event before the event is

auto approved (timed out). The configuration is specified in ISO 8601 format, with the value set to 15 minutes (PT15M).

Required? false Page 14/26

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Overprovision <System.Boolean>

Indicates whether the cmdlet overprovisions the VMSS.

Required? false

Position? named

Default value None

Accept pipeline input? False

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? False

Accept wildcard characters? false

-PlanName <System.String>

Specifies the plan name.

Required? false

Position? named

Default value None

Accept pipeline input? False

-PlanProduct <System.String>

Specifies the plan product.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PlanPromotionCode <System.String>

Specifies the plan promotion code.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PlanPublisher <System.String>

Specifies the plan publisher.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ProvisionVMAgent <System.Boolean>

Indicates whether virtual machine agent should be provisioned on the Windows virtual machines in the VMSS.

Required? false

Position? named Page 16/26

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ProximityPlacementGroupId <System.String>

The resource id of the Proximity Placement Group to use with this scale set.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RegularPriorityPercentage <System.Int32>

Specifies the desired percentage of VMs, after the BaseRegularCount has been met, that are of Regular priority as the

VMSS Flex instance scales out. This property

is only valid for VMSS instances with Flexible OrchestrationMode.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of the resource group the VMSS belongs to.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

-ScaleInPolicy <System.String[]>

The rules to be followed when scaling-in a virtual machine scale set. Possible values are: 'Default', 'OldestVM' and

'NewestVM'. 'Default' when a virtual

machine scale set is scaled in, the scale set will first be balanced across zones if it is a zonal scale set. Then, it will be

balanced across Fault Domains as

far as possible. Within each Fault Domain, the virtual machines chosen for removal will be the newest ones that are

not protected from scale-in. 'OldestVM' when

a virtual machine scale set is being scaled-in, the oldest virtual machines that are not protected from scale-in will be

chosen for removal. For zonal virtual

machine scale sets, the scale set will first be balanced across zones. Within each zone, the oldest virtual machines

that are not protected will be chosen for

removal. 'NewestVM' when a virtual machine scale set is being scaled-in, the newest virtual machines that are not

protected from scale-in will be chosen for

removal. For zonal virtual machine scale sets, the scale set will first be balanced across zones. Within each zone, the

newest virtual machines that are not

protected will be chosen for removal.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ScaleInPolicyForceDeletion <System.Boolean>

Applying Force Deletion when using ScaleIn Policy.

Required? false

Position? named

Default value None

Accept pipeline input? False

Specifies the SecurityType of the virtual machine. It has to be set to any specified value to enable UefiSettings. UefiSettings will not be enabled unless this

property is set.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SharedGalleryImageId <System.String>

Specified the shared gallery image unique id for vm deployment. This can be fetched from shared gallery image GET call.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SinglePlacementGroup <System.Boolean>

Specifies the single placement group.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SkipExtensionsOnOverprovisionedVMs <System.Boolean>

Specifies that the extensions do not run on the extra overprovisioned VMs.

Required? false Page 19/26

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SkuCapacity <System.Int32>

Specifies the number of instances in the VMSS.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SkuName <System.String>

Specifies the size of all the instances of VMSS.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SkuTier <System.String>

Specifies the tier of VMSS. The acceptable values for this parameter are: - Standard

- Basic

Required? false

Position? named

Default value None

Accept pipeline input? False

-Tag <system.collections.hashtable< p=""></system.collections.hashtable<>	g <system< th=""><th>.Collections</th><th>.Hashtable</th></system<>	.Collections	.Hashtable
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Key-value pairs in the form of a hash table. For example: @{key0="value0";key1=\$null;key2="value2"}

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TerminateScheduledEventNotBeforeTimeoutInMinutes <System.Int32>

Configurable length of time (in minutes) a Virtual Machine being deleted will have to potentially approve the Terminate Scheduled Event before the event is auto

approved (timed out).

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TerminateScheduledEvents <System.Boolean>

Specifies whether the Terminate Scheduled event is enabled or disabled.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TimeZone <System.String>

Specifies the time zone for Windows OS. e.g. \"Pacific Standard Time\".
 Possible values can be TimeZoneInfo.Id (https://learn.microsoft.com/dotnet/api/system.timezoneinfo.id?#System_TimeZoneInfo_Id) value from Pfffe2266s

retu	rned	by

ſΤi	meZoneInfo.GetSv	vstemTimeZones	1(https://learn	.microsoft.cor	n/dotnet/api/sv	vstem.timezonei	nfo.aets	vstemtimezones)

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-UltraSSDEnabled <System.Boolean>

The flag that enables or disables a capability to have one or more managed data disks with UltraSSD_LRS storage account type on the virtual machine scale set.

Managed disks with storage account type UltraSSD_LRS can be added to a VMSS only if this property is enabled.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-UpgradePolicyMode <Microsoft.Azure.Management.Compute.Models.UpgradeMode>

Specified the mode of an upgrade to virtual machines in the scale set. The acceptable values for this parameter are:
Automatic

- Manual
- Rolling

Required? false

Position? named

Default value None

Accept pipeline input? False Page 22/26

Accept wildcard characters? false

-UserData <System.String>

UserData for the Vmss, which will be base-64 encoded. Customer should not pass any secrets in here.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VhdContainer <System.String[]>

Specifies the container URLs that are used to store operating system disks for the VMSS.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

Specifies a local VMSS object. To obtain a VMSS object, use the Get-AzVmss cmdlet. This virtual machine object contains the updated state for the VMSS.

Required? false

Position? 2

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-VMScaleSetName <System.String>

Specifies the name of the VMSS that this cmdlet creates.

Required? true

Position? 1

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,

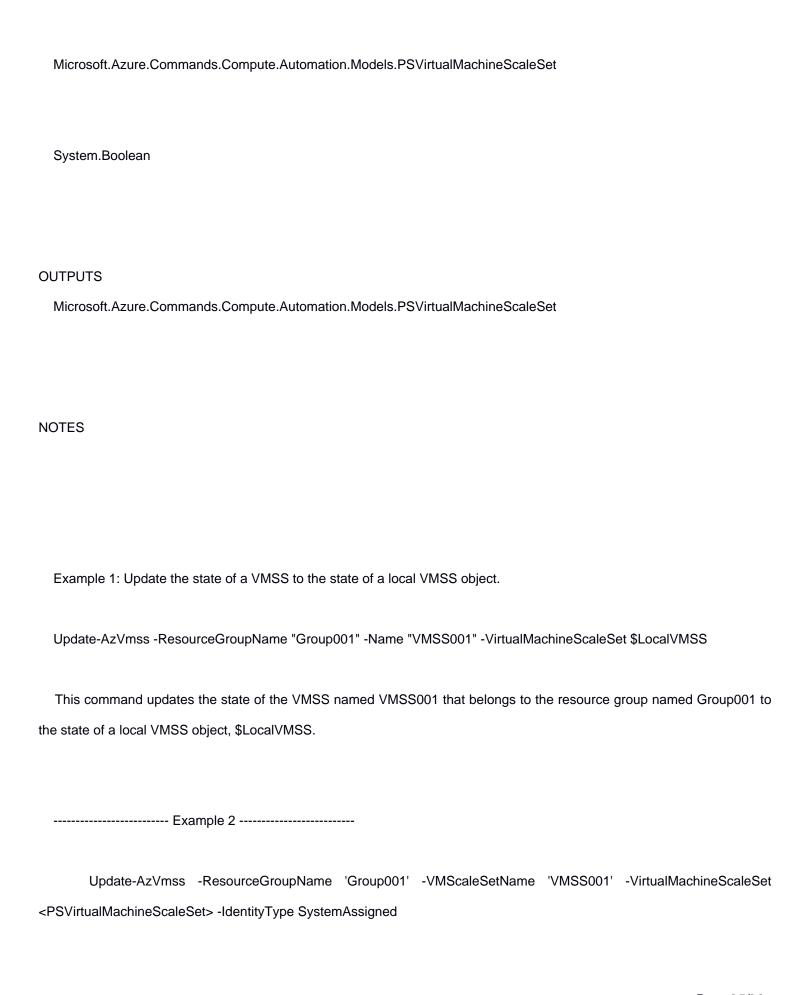
ErrorAction, ErrorVariable, WarningAction, WarningVariable,

OutBuffer, PipelineVariable, and OutVariable. For more information, see

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

INPUTS

System.String



RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.compute/update-azvmss

Get-AzVmss

New-AzVmss

Remove-AzVmss

Restart-AzVmss

Set-AzVmss

Start-AzVmss

Stop-AzVmss