



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

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

NAME

Set-AzVmssStorageProfile

SYNOPSIS

Sets the storage profile properties for the VMSS.

SYNTAX

```

Set-AzVmssStorageProfile [-VirtualMachineScaleSet]
<Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet> [[-ImageReferencePublisher]
<System.String>] [[-VhdContainer] <System.String[]>] [[-ImageReferenceOffer] <System.String>] [[-ImageReferenceSku]
<System.String>] [[-ImageReferenceVersion]
<System.String>] [[-OsDiskName] <System.String>] [[-OsDiskCaching] {None | ReadOnly | ReadWrite}]
[[ -OsDiskCreateOption] <System.String>] [[-OsDiskOsType] {Windows |
Linux}] [[-Image] <System.String>] [-DataDisk
<Microsoft.Azure.Management.Compute.Models.VirtualMachineScaleSetDataDisk[]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiffDiskPlacement
<System.String>] [-DiffDiskSetting <System.String>]
[-DiskControllerType <System.String>] [-DiskEncryptionSetId <System.String>] [-ImageReferenceId <System.String>]
[-ManagedDisk <System.String>] [-OsDiskDeleteOption

```

<System.String>] [-OSDiskSizeGB <System.Int32>] [-OsDiskWriteAccelerator] [-SecureVMDiskEncryptionSet
<System.String>] [-SecurityEncryptionType <System.String>]
[-SharedGalleryImageId <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Set-AzVmssStorageProfile cmdlet sets the storage profile properties for the Virtual Machine Scale Set (VMSS).

PARAMETERS

-DataDisk <Microsoft.Azure.Management.Compute.Models.VirtualMachineScaleSetDataDisk[]>

Specifies the data disk object.

Required? false

Position? named

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

-DiffDiskPlacement <System.String>

Specifies the ephemeral disk placement for operating system disk. This property can be used by user in the request to choose the location i.e. cache disk or

resource disk space for Ephemeral OS disk provisioning. For more information on Ephemeral OS disk size requirements, please refer Ephemeral OS disk size

<https://learn.microsoft.com/azure/virtual-machines/windows/ephemeral-os-disks#size-requirements> and Linux VM at

<https://learn.microsoft.com/azure/virtual-machines/linux/ephemeral-os-disks#size-requirements>. This parameter can only be used if the parameter DiffDiskSetting is set to 'Local'.

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

-DiffDiskSetting <System.String>

Specifies the differencing disk settings for operating system disk.

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

-DiskControllerType <System.String>

Specifies the disk controller type configured for the VM and VirtualMachineScaleSet. This property is only supported for virtual machines whose operating system

disk and VM sku supports Generation 2 (<https://learn.microsoft.com/en-us/azure/virtual-machines/generation-2>), please check the HyperVGenerations capability

returned as part of VM sku capabilities in the response of Microsoft.Compute SKUs api for the region contains V2

(<https://learn.microsoft.com/rest/api/compute/resourceskus/list>) .
 For more information about Disk Controller Types supported please refer to

<https://aka.ms/azure-diskcontrollertypes>.

Required?	false
Position?	named

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

-DiskEncryptionSetId <System.String>

Specifies the resource Id of customer managed disk encryption set. This can only be specified for managed disk.

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

-Image <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? 9
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
Accept pipeline input? True (ByPropertyName)
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?	2
Default value	None
Accept pipeline input?	True (ByPropertyName)
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?	1
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

`-ImageReferenceSku <System.String>`

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

Required?	false
Position?	3
Default value	None
Accept pipeline input?	True (ByPropertyName)
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 particular version.

Required?	false
Position?	4
Default value	None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ManagedDisk <System.String>

Specifies the managed disk.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-OsDiskCaching <System.Nullable`1[Microsoft.Azure.Management.Compute.Models.CachingTypes]>

Specifies the caching mode of the operating system disk. The acceptable values for this parameter are: - ReadOnly

- ReadWrite

The default value is ReadWrite. If you change the caching value, the cmdlet will restart the virtual machine. This setting affects the consistency and performance

of the disk.

Required? false

Position? 6

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-OsDiskCreateOption <System.String>

Specifies how this cmdlet creates the VMSS virtual machines. The acceptable values for this parameter are: - Attach :

This value is used when you are using a

specialized disk to create the VMSS virtual machine.

- FromImage : This value is used when you are using an image to create the VMSS virtual machine.

If you are using a platform image, you will also use the imageReference parameter.

Required? false
Position? 7
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-OsDiskDeleteOption <System.String>

Specifies whether OS disk should be deleted or detached upon VMSS Flex deletion (This feature is available for VMSS with Flexible OrchestrationMode only).

Accepted Values Delete - If this value is used, the OS disk is deleted when the VMSS Flex VM is deleted. Detach - If this value is used, the OS disk is retained after VMSS Flex VM is deleted.

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

-OsDiskName <System.String>

Specifies the name of the operating system disk.

Required? false
Position? 5
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-OsDiskOsType <System.Nullable`1[Microsoft.Azure.Management.Compute.Models.OperatingSystemTypes]>

Specifies the type of operating system on the disk. This is only needed for user image scenarios and not for a platform image.

Required?	false
Position?	8
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-OSDiskSizeGB <System.Int32>

Specifies the size of an empty data disk in gigabytes. This element can be used to overwrite the size of the disk in a virtual machine image.

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

-OsDiskWriteAccelerator <System.Management.Automation.SwitchParameter>

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

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

-SecureVMDiskEncryptionSet <System.String>

ResourceId of the disk encryption set to use for enabling encryption at rest.

Required?	false
Position?	named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SecurityEncryptionType <System.String>

Sets the SecurityEncryptionType of the virtual machine scale set. Possible values include: DiskWithVMGuestState, VMGuestStateOnly

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

-VhdContainer <System.String[]>

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

Required? false

Position? 10

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

Specifies the VMSS object. To obtain the object, use the New-AzVmssConfig 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.String

System.Nullable`1[[Microsoft.Azure.Management.Compute.Models.CachingTypes,

Microsoft.Azure.Management.Compute, Version=23.0.0.0, Culture=neutral,

PublicKeyToken=31bf3856ad364e35]]

System.Nullable`1[[Microsoft.Azure.Management.Compute.Models.OperatingSystemTypes,

Microsoft.Azure.Management.Compute, Version=23.0.0.0, Culture=neutral,

PublicKeyToken=31bf3856ad364e35]]

System.String[]

Microsoft.Azure.Management.Compute.Models.VirtualMachineScaleSetDataDisk[]

OUTPUTS

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

NOTES

-- Example 1: Set the storage profile properties for the VMSS --

```
Set-AzVmssStorageProfile -VirtualMachineScaleSet "ContosoVMSS" -Name "Test" -OsDiskCreateOption "FromImage"
-OsDiskCaching "None" `
    -ImageReferenceOffer $ImgRef.Offer -ImageReferenceSku $ImgRef.Skus -ImageReferenceVersion
$ImgRef.Version `
    -ImageReferencePublisher $ImgRef.PublisherName -VhdContainer $VhdContainer
```

This command sets the storage profile properties for the VMSS named ContosoVMSS.

RELATED LINKS

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

Get-AzVMImageOffer

Get-AzVMImagePublisher

Get-AzVMImageSku

New-AzVmssConfig