



Windows PowerShell Get-Help on Cmdlet 'Add-AzVmssVMDataDisk'

PS: \>Get-HELP Add-AzVmssVMDataDisk -Full

NAME

Add-AzVmssVMDataDisk

SYNOPSIS

Adds a data disk to a Vmss VM.

SYNTAX

```

Add-AzVmssVMDataDisk [-VirtualMachineScaleSetVM]
<Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSetVM> [-Lun] <System.Int32>
[-CreateOption]
<System.String> [-ManagedDiskId] <System.String> [-Caching {None | ReadOnly | ReadWrite}] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskEncryptionSetId
<System.String>] [-DiskSizeInGB <System.Int32>]
[-StorageAccountType <System.String>] [-WriteAccelerator] [<CommonParameters>]

```

DESCRIPTION

The Add-AzVmssVMDataDisk cmdlet adds a data disk to a Vmss VM.

PARAMETERS

-Caching <Microsoft.Azure.Management.Compute.Models.CachingTypes>

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

- ReadWrite

- None

The default value is ReadWrite. Changing this value causes the virtual machine to restart. This setting affects the consistency and performance of the disk.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CreateOption <System.String>

Specifies whether this cmdlet creates a disk in the virtual machine from a platform or user image, creates an empty disk, or attaches an existing disk. The

acceptable values for this parameter are: - Attach. Specify this option to create a virtual machine from a specialized disk. When you specify this option, do not

specify the SourceImageUri parameter. The VhdUri is all that is needed in order to tell the Azure platform the location of the virtual hard disk (VHD) to attach

as a data disk to the virtual machine. - Empty. Specify this to create an empty data disk. - FromImage. Specify this option to create a virtual machine from a

generalized image or disk. When you specify this option, you must specify the SourceImageUri parameter also in order to tell the Azure platform the location of

the VHD to attach as a data disk. The VhdUri parameter is used as the location identifying where the data disk VHD will be stored when it is used by the virtual machine.

Required? true
Position? 2
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

-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? False
Accept wildcard characters? false

-DiskSizeInGB <System.Int32>

Specifies the size, in gigabytes, of an empty disk to attach to a virtual machine.

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

-Lun <System.Int32>

Specifies the logical unit number (LUN) for a data disk.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ManagedDiskId <System.String>

Specifies the ID of a managed disk.

Required? true

Position? 3

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StorageAccountType <System.String>

Specifies the storage account type of managed disk.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VirtualMachineScaleSetVM <Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSetVM>

Specifies the local virtual machine scale set VM object to which to add a data disk. You can use the Get-AzVmssVM cmdlet to obtain a virtual machine scale set VM object.

Required? true

Position? 0
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-WriteAccelerator <System.Management.Automation.SwitchParameter>

Specifies whether WriteAccelerator should be enabled or disabled on a managed data disk.

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.PSVirtualMachineScaleSetVM

System.Int32

System.String

Microsoft.Azure.Management.Compute.Models.CachingTypes

OUTPUTS

Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSetVM

NOTES

----- Example 1: Add a managed data disk to a Vmss VM. -----

```
$disk = Get-AzDisk -ResourceGroupName $rgname -DiskName $diskname0
```

```
$VmssVM = Get-AzVmssVM -ResourceGroupName "myrg" -VMScaleSetName "myvmss" -InstanceId 0
```

```
$VmssVM = Add-AzVmssVMDataDisk -VirtualMachineScaleSetVM $VmssVM -Lun 0 -DiskSizeInGB 10 -CreateOption  
Attach -StorageAccountType Standard_LRS -ManagedDiskId $disk.Id  
Update-AzVmssVM -VirtualMachineScaleSetVM $VmssVM
```

The first command gets an existing managed disk. The next command gets an existing Vmss VM given by the resource group name, the vmss name and the instance ID. The

next command adds the managed disk to the Vmss VM stored locally in \$VmssVM. The final command updates the Vmss VM with added data disk.

RELATED LINKS

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