



Windows PowerShell Get-Help on Cmdlet 'New-AzVMDataDisk'

PS:\>Get-HELP New-AzVMDataDisk -Full

NAME

New-AzVMDataDisk

SYNOPSIS

Creates a local data disk object for a virtual machine or a Vmss VM.

SYNTAX

```
New-AzVMDataDisk [-Lun] <System.Int32> [-CreateOption] <System.String> [-Caching {None | ReadOnly | ReadWrite}]
[-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskEncryptionSetId
<System.String>] [-DiskSizeInGB
<System.Nullable`1[System.Int32]>] [-ManagedDiskId <System.String>] [-Name <System.String>] [-StorageAccountType
<System.String>] [-WriteAccelerator]
[<CommonParameters>]
```

```
New-AzVMDataDisk [-Lun] <System.Int32> [-CreateOption] <System.String> [-Caching {None | ReadOnly | ReadWrite}]
[-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskEncryptionSetId
<System.String>] [-DiskSizeInGB
```

<System.Nullable`1[System.Int32]>] [-Name <System.String>] [-SourceImageUri <System.String>] [-VhdUri <System.String>] [<CommonParameters>]

DESCRIPTION

The New-AzVMDataDisk cmdlet creates a local data disk object for a virtual machine or a Vmss VM.

PARAMETERS

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

The virtual machine data disk's caching.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CreateOption <System.String>

The virtual machine data disk's create option.

Required? true

Position? 1

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>

The virtual machine managed disk encryption set's Id.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DiskSizeInGB <System.Nullable`1[System.Int32]>

The virtual machine data disk's size in GB.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Lun <System.Int32>

The virtual machine data disk's Lun.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ManagedDiskId <System.String>

The virtual machine managed disk's Id.

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

-Name <System.String>

The virtual machine data disk's name.

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

-SourceImageUri <System.String>

The virtual machine OS disk's source image Uri.

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

-StorageAccountType <System.String>

The virtual machine managed disk's account type.

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

-VhdUri <System.String>

The virtual machine data disk's Vhd Uri.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

System.Int32

System.String

Microsoft.Azure.Management.Compute.Models.CachingTypes

System.Nullable`1[[System.Int32, System.Private.CoreLib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

OUTPUTS

Microsoft.Azure.Commands.Compute.Models.PSVirtualMachineDataDisk

NOTES

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

```
$disk = Get-AzDisk -ResourceGroupName $rgname -DiskName $diskname0
$datadisk = New-AzVMDataDisk -Caching 'ReadOnly' -Lun 2 -CreateOption Attach -StorageAccountType Standard_LRS
-ManagedDiskId $disk.Id
$VmssVM = Get-AzVmssVM -ResourceGroupName "myrg" -VMScaleSetName "myvmss" -InstanceId 0
Update-AzVmssVM -ResourceGroupName "myrg" -VMScaleSetName "myvmss" -InstanceId 0 -DataDisk $datadisk
```

The first command gets an existing managed disk. The next command creates a data disk object with the managed disk. The next command gets an existing Vmss VM given by the resource group name, the vmss name and the instance ID. The final command updates the Vmss VM by adding a new data disk.

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

```
New-AzVMDataDisk -Caching None -CreateOption Attach -DiskSizeInGB 1 -Lun 2 -Name 'AgentPool01'
```

RELATED LINKS

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