



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

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

NAME

Set-AzVMDataDisk

SYNOPSIS

Modifies properties of a virtual machine data disk.

SYNTAX

```
Set-AzVMDataDisk [-VM] <Microsoft.Azure.Commands.Compute.Models.PSVirtualMachine> [-Lun]
<System.Nullable`1[System.Int32]> [[-Caching] {None | ReadOnly | ReadWrite}]
[-DiskSizeInGB] <System.Nullable`1[System.Int32]> [-DefaultProfile]
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DiskEncryptionSetId <System.String>] [-StorageAccountType <System.String>] [-WriteAccelerator]
[<CommonParameters>]
```

```
Set-AzVMDataDisk [-VM] <Microsoft.Azure.Commands.Compute.Models.PSVirtualMachine> [-Name] <System.String>
[[[-Caching] {None | ReadOnly | ReadWrite}]] [[-DiskSizeInGB]
<System.Nullable`1[System.Int32]>] [-DefaultProfile]
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskEncryptionSetId]
<System.String>] [-StorageAccountType <System.String>] [-WriteAccelerator] [<CommonParameters>]
```

DESCRIPTION

The Set-AzVMDataDisk cmdlet modifies properties of a virtual machine data disk.

PARAMETERS

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

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

- ReadWrite

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? 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.Nullable`1[System.Int32]>

Specifies the size, in gigabytes, for the data disk.

Required? false
Position? 3
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

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

Specifies the logical unit number (LUN) of the data disk that this cmdlet modifies.

Required? true
Position? 1
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-Name <System.String>

Specifies the name of the data disk that this cmdlet modifies.

Required? true
Position? 1
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

-VM <Microsoft.Azure.Commands.Compute.Models.PSVirtualMachine>

Specifies the virtual machine for which this cmdlet modifies a data disk. To obtain a virtual machine object, use the Get-AzVM cmdlet.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

Accept wildcard characters? false

-WriteAccelerator <System.Management.Automation.SwitchParameter>

Specifies whether WriteAccelerator should be enabled or disabled on the 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.Models.PSVirtualMachine

System.String

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

System.Nullable`1[[Microsoft.Azure.Management.Compute.Models.CachingTypes, Microsoft.Azure.Management.Compute, Version=23.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35]]

OUTPUTS

Microsoft.Azure.Commands.Compute.Models.PSVirtualMachine

NOTES

----- Example 1: Modify the caching mode of a data disk -----

\$VM = Get-AzVM -ResourceGroupName "ResourceGroup11" -VMName "ContosoVM07"

Set-AzVMDataDisk -VM \$VM -Name "DataDisk01" -Caching ReadWrite | Update-AzVM

The first command gets the virtual machine named ContosoVM07 by using Get-AzVM . The command stores it in the \$VM variable. The second command modifies the caching mode for the data disk named DataDisk01 on the virtual machine in \$VM. The command passes the result to the Update-AzVM cmdlet, which implements your changes. A change to the caching mode causes the virtual machine to restart.

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

```
Set-AzVMDataDisk -Caching None -Lun 1 -VM <PSVirtualMachine>
```

RELATED LINKS

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

Get-AzVM

Update-AzVM