



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

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

NAME

Add-AzVmssDataDisk

SYNOPSIS

Adds a data disk to the VMSS.

SYNTAX

```

Add-AzVmssDataDisk [-VirtualMachineScaleSet]
<Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet> [[-Name] <System.String>] [[-Lun]
<System.Int32>] [[-Caching] {None | ReadOnly | ReadWrite}] [-CreateOption <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DeleteOption
<System.String>] [-DiskEncryptionSetId <System.String>]
[-DiskIOPSReadWrite <System.Int64>] [-DiskMBpsReadWrite <System.Int64>] [-DiskSizeGB <System.Int32>]
[-StorageAccountType <System.String>] [-WriteAccelerator]
[-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The Add-AzVmssDataDisk cmdlet adds a data disk to the Virtual Machine Scale Set (VMSS) instance.

PARAMETERS

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

Specifies the caching type of the disk.

Required? false

Position? 3

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CreateOption <System.String>

Specifies the create option of the disk.

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

-DeleteOption <System.String>

Specifies whether data disk should be deleted or detached upon VMSS Flex deletion (This feature is available for

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

-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

-DiskIOPSReadWrite <System.Int64>

Specifies the Read-Write IOPS for the managed disk. Should be used only when StorageAccountType is UltraSSD_LRS. If not specified, a default value would be assigned based on diskSizeGB.

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

-DiskMBpsReadWrite <System.Int64>

Specifies the bandwidth in MB per second for the managed disk. Should be used only when StorageAccountType is

UltraSSD_LRS. If not specified, a default value
would be assigned based on diskSizeGB.

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

-DiskSizeGB <System.Int32>

Specifies the size of the disk in GB.

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

-Lun <System.Int32>

Specifies the logical unit number of the disk.

Required?	false
Position?	2
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-Name <System.String>

Specifies the name of the disk.

Required?	false
Position?	1
Default value	None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StorageAccountType <System.String>

Specifies the storage account type of the disk.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

Specify the VMSS object. You can use the New-AzVmssConfig (./New-AzVmssConfig.md)cmdlet to create the object.

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

-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.Int32

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

PublicKeyToken=31bf3856ad364e35]]

OUTPUTS

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

NOTES

----- Example 1: Add a data disk -----

```
$vmss = New-AzVmssConfig -Location $Loc -SkuCapacity 2 -SkuName "Standard_A0" -UpgradePolicyMode "Automatic"
$vmss = Add-AzVmssDataDisk -VirtualMachineScaleSet $vmss -Name 'DataDisk1' -Lun 0 -Caching 'ReadOnly'
-CreateOption Empty -DiskSizeGB 10 -StorageAccountType
Standard_LRS
```

This command adds an empty data disk to the VMSS object.

RELATED LINKS

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