



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

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

NAME

Add-AzImageDataDisk

SYNOPSIS

Adds a data disk to an image object.

SYNTAX

```
Add-AzImageDataDisk [-Image] <Microsoft.Azure.Commands.Compute.Automation.Models.PSImage> [[-Lun]
<System.Int32>] [[-BlobUri] <System.String>] [-Caching] {None |
ReadOnly | ReadWrite}] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DiskEncryptionSetId
<System.String>] [-DiskSizeGB <System.Int32>] [-ManagedDiskId <System.String>] [-SnapshotId <System.String>]
[-StorageAccountType <System.String>] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Add-AzImageDataDisk cmdlet adds a data disk to an image object.

PARAMETERS

-BlobUri <System.String>

Specifies the link, as a URI, of the blob.

Required? false

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

Specifies the caching mode of the disk.

Required? false

Position? 3

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? True (ByPropertyName)
Accept wildcard characters? false

-DiskSizeGB <System.Int32>

Specifies the size of the disk in Gigabytes (GB).

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

-Image <Microsoft.Azure.Commands.Compute.Automation.Models.PSImage>

Specifies a local image object.

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

-Lun <System.Int32>

Specifies the logical unit number (LUN).

Required? false
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? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SnapshotId <System.String>

Specifies the ID of a snapshot.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StorageAccountType <System.String>

The Storage Account type of the data image disk

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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.PSImage

System.Int32

System.String

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.Automation.Models.PSImage

NOTES

----- Example 1 -----

```
$imageConfig = New-AzImageConfig -Location 'West US';  
$osDiskVhdUri = "https://contoso.blob.core.windows.net/test/os.vhd"  
$dataDiskVhdUri1 = "https://contoso.blob.core.windows.net/test/data1.vhd"  
$dataDiskVhdUri2 = "https://contoso.blob.core.windows.net/test/data2.vhd"  
Set-AzImageOsDisk -Image $imageConfig -OsType 'Windows' -OsState 'Generalized' -BlobUri $osDiskVhdUri;  
Add-AzImageDataDisk -Image $imageConfig -Lun 1 -BlobUri $dataDiskVhdUri1;  
Add-AzImageDataDisk -Image $imageConfig -Lun 2 -BlobUri $dataDiskVhdUri2;  
New-AzImage -Image $imageConfig -ImageName 'ImageName01' -ResourceGroupName 'ResourceGroup01';
```

The first command creates an image object, and then stores it in the `$imageConfig` variable. The next three commands assign paths of operating system disk and two data

disks to the `$osDiskVhdUri`, `$dataDiskVhdUri1`, and `$dataDiskVhdUri2` variables. This approach is only for readability of the following commands. The next three commands

each adds an operating system disk and two data disks to the image stored in `$imageConfig`. The URI of each disk is stored in `$osDiskVhdUri`, `$dataDiskVhdUri1`, and

`$dataDiskVhdUri2`. The final command creates an image named `ImageName01` in resource group `ResourceGroup01`.

RELATED LINKS

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

