



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

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

NAME

New-AzStackHCIVMVirtualHardDisk

SYNOPSIS

The operation to create or update a virtual hard disk.

Please note some properties can be set only during virtual hard disk creation.

SYNTAX

```
New-AzStackHCIVMVirtualHardDisk -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -Location
<String> -CustomLocationId <String> [-BlockSizeByte
    <Int32>] [-StoragePathId <String>] [-StoragePathName <String>] [-StoragePathResourceGroup <String>]
[-DiskFileFormat <Object>] [-SizeGb <Int64>] [-Dynamic]
    [-HyperVGeneration <Object>] [-LogicalSectorByte <Int32>] [-PhysicalSectorByte <Int32>] [-Tag <Hashtable>]
[-DefaultProfile <PSObject>] [-AsJob] [-Break]
    [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]
[-ProxyCredential <PSCredential>]
    [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]
```

DESCRIPTION

The operation to create or update a virtual hard disk.

Please note some properties can be set only during virtual hard disk creation.

PARAMETERS

-Name <String>

Name of the virtual hard disk.

Must contain all alphanumeric characters or ??~-??T or ??~_??T.

Max length is 80 characters, and min length is 1 character.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceGroupName <String>

The name of the resource group.

The name is case insensitive.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SubscriptionId <String>

The ID of the target subscription.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Location <String>

The geo-location where the resource lives

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CustomLocationId <String>

The ARM Id of the extended location to create virtual hard disk resource in.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-BlockSizeByte <Int32>

The block size, in bytes, of the virtual hard disk.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-StoragePathId <String>

Storage ContainerID of the storage container to be used for VHD

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-StoragePathName <String>

Storage Container Name to be used for the VHD

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-StoragePathResourceGroup <String>

Storage Container resource group.

The resource group of the virtual hard disk will be used if this value is not provided.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-DiskFileFormat <Object>

The format of the actual VHD file [vhd, vhdx]

Required? false
Position? named
Default value
Accept pipeline input? false

Accept wildcard characters? false

-SizeGb <Int64>

Size of the disk in GB

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-Dynamic [<SwitchParameter>]

Boolean for enabling dynamic sizing on the virtual hard disk

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-HyperVGeneration <Object>

The hypervisor generation of the Virtual Machine [V1, V2]

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-LogicalSectorByte <Int32>

Logical Sector Bytes of the Disk

Required? false

Position? named
Default value 0
Accept pipeline input? false
Accept wildcard characters? false

-PhysicalSectorByte <Int32>

Physical Sector Bytes of the Disk

Required? false
Position? named
Default value 0
Accept pipeline input? false
Accept wildcard characters? false

-Tag <Hashtable>

Resource tags.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-DefaultProfile <PSObject>

The credentials, account, tenant, and subscription used for communication with Azure.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-AsJob [<SwitchParameter>]

Run the command as a job

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-Break [<SwitchParameter>]

Wait for .NET debugger to attach

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-HttpPipelineAppend <SendAsyncStep[]>

SendAsync Pipeline Steps to be appended to the front of the pipeline

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-HttpPipelinePrepend <SendAsyncStep[]>

SendAsync Pipeline Steps to be prepended to the front of the pipeline

Required? false
Position? named
Default value
Accept pipeline input? false

Accept wildcard characters? false

-NoWait [<SwitchParameter>]

Run the command asynchronously

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-Proxy <Uri>

The URI for the proxy server to use

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyCredential <PSCredential>

Credentials for a proxy server to use for the remote call

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

Use the default credentials for the proxy

Required? false

Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Required? false
Position? named
Default value
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

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.StackHCIVM.Models.IVirtualHardDisks

----- EXAMPLE 1 -----

```
PS C:\>New-AzStackHCIVMVirtualHardDisk -Name "testVhd" -ResourceGroupName "test-rg" -CustomLocationId  
"/subscriptions/{subscriptionID}/resourcegroups/{resourceGroupName}/providers/microsoft.extendedlocation/customlocation  
s/{customLocationName}" -Location "eastus"  
-SizeGb 2
```

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.stackhcivm/new-azstackhcivmvirtualharddisk>