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

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

NAME

New-VirtualDiskSnapshot

SYNOPSIS

Creates a new snapshot of the specified virtual disk.

SYNTAX

```
New-VirtualDiskSnapshot [-AsJob] [-CimSession <CimSession[]>] -FriendlyName <String> -InputObject <CimInstance[]>  
[-TargetStoragePoolName <String>] [-ThrottleLimit  
<Int32>] [<CommonParameters>]
```

```
New-VirtualDiskSnapshot [-VirtualDiskFriendlyName] <String[]> [-AsJob] [-CimSession <CimSession[]>] -FriendlyName  
<String> [-TargetStoragePoolName <String>]  
[-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
New-VirtualDiskSnapshot [-AsJob] [-CimSession <CimSession[]>] -FriendlyName <String> [-TargetStoragePoolName  
<String>] [-ThrottleLimit <Int32>] -VirtualDiskName  
<String[]> [<CommonParameters>]
```

```
New-VirtualDiskSnapshot [-AsJob] [-CimSession <CimSession[]>] -FriendlyName <String> [-TargetStoragePoolName <String>] [-ThrottleLimit <Int32>] -VirtualDiskUniqueId <String[]> [<CommonParameters>]
```

DESCRIPTION

The New-VirtualDiskSnapshot cmdlet creates a new snapshot of the specified virtual disk.

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PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(<https://go.microsoft.com/fwlink/p/?LinkId=227967>) or

[Get-CimSession](<https://go.microsoft.com/fwlink/p/?LinkId=227966>) cmdlet. The default is the current session on the local computer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-FriendlyName <String>

Specifies a friendly name for a disk. The friendly name may be defined by a user and is not guaranteed to be unique.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-InputObject <CimInstance[]>

Specifies the input object that is used in a pipeline command.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-TargetStoragePoolName <String>

Specifies the name of the target storage pool.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit

applies only to the current cmdlet, not to the session or to the computer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VirtualDiskFriendlyName <String[]>

Specifies the friendly name of the virtual disk to be snapshot. The friendly name may be defined by a user.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VirtualDiskName <String[]>

Specifies the name of the virtual disk. This parameter is typically read-only. This parameter is not equivalent to the VirtualDiskFriendlyName parameter that can be set by a user.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VirtualDiskUniqueId <String[]>

Specifies the unique ID of the virtual disk to be snapshot.

Required? true

Position? named

Default value None
Accept pipeline input? True (ByPropertyName)
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.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_VirtualDisk

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the pound sign (`#`) provides the namespace and class name for the underlying WMI object.

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_VirtualDisk

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the pound sign (`#`) provides the namespace and class name for the underlying WMI object.

NOTES

* When used in Failover Cluster, cmdlets from the Storage module operate on cluster level (all servers in the cluster).

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

```
PS C:\>New-VirtualDiskSnapshot -VirtualDiskFriendlyName "SQLData5" -TargetStoragePoolName "Snapshots"
```

This example creates a snapshot of the Virtual Disk object. The cmdlet returns the resultant snapshot as a new Virtual Disk object.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/storage/new-virtualdisksnapshot?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

[Get-VirtualDisk](#)