PowerShell Get-Help on command 'Get-StorageTier'

PS C:\Users\wahid> Get-Help Get-StorageTier

NAME

   Get-StorageTier

SYNOPSIS

   Gets storage tiers on Windows Storage subsystems.

SYNTAX

   Get-StorageTier [[-FriendlyName] <String[]>] [-AsJob] [-CimSession

   <CimSession[]>] [-MediaType {Unspecified | HDD | SSD | SCM}] [-ThrottleLimit

   <Int32>] [<CommonParameters>]

   Get-StorageTier [-AsJob] [-CimSession <CimSession[]>] [-MediaType {Unspecified

   | HDD | SSD | SCM}] [-StoragePool <CimInstance>] [-ThrottleLimit <Int32>]

   [<CommonParameters>]

   Get-StorageTier [-AsJob] [-CimSession <CimSession[]>] [-MediaType {Unspecified

   | HDD | SSD | SCM}] [-ThrottleLimit <Int32>] [-UniqueId <String[]>]

   [<CommonParameters>]

   Get-StorageTier [-AsJob] [-CimSession <CimSession[]>] [-MediaType {Unspecified

| HDD | SSD | SCM}] [-ThrottleLimit <Int32>] [-VirtualDisk <CimInstance>]

[<CommonParameters>]

DESCRIPTION

The Get-StorageTier cmdlet gets storage tiers on Windows Storage subsystems.

Storage tiers are physical disks that are grouped by characteristics, for

example, solid-state drives (SSD) and hybrid hard drives (HHD).

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands

that take a long time to complete.

-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.

-FriendlyName <String[]>

Specifies an array of friendly names of storage tiers to get.

-MediaType <MediaType[]>

Specifies an array of media types. The cmdlet gets the storage tiers for

the media type that you specify. The acceptable values for this parameter

are:

- SSD

- HDD

-StoragePool <CimInstance>

Specifies a storage pool as a CIMInstance object. The cmdlet gets the

storage tiers for the storage pool that you specify. To obtain a storage

pool, use the Get-StoragePool cmdlet.

-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 PowerShellr 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.

-UniqueId <String[]>

Specifies an array of IDs of storage tiers to get.

-VirtualDisk <CimInstance>

Specifies a virtual disk as a CIMInstance object. The cmdlet gets the

storage tiers for the virtual disk that you specify. To obtain a virtual

disk, use theGet-VirtualDisk cmdlet.

<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).

---------------- Example 1: Get a storage tier ----------------

PS C:\>Get-StorageTier -FriendlyName "StoreTier01"

This command gets the storage tier named StoreTier01.   *Page 3/4*

------ Example 2: Get a storage tier from a storage pool ------

PS C:\> Get-StoragePool -FriendlyName "StorePool01" | Get-StorageTier

This command gets the object that contains the storage pool named StorePool01,

and then passes the object to the Get-StorageTier cmdlet by using the pipeline

operator. The Get-StorageTier cmdlet gets the storage tier from the storage

pool object.

------ Example 3: Get a storage tier from a virtual disk ------

PS C:\>Get-VirtualDisk -FriendlyName "VDisk01" | Get-StorageTier

This command uses the Get-VirtualDisk cmdlet to get the tiered virtual disk

named VDisk01. The command passes the virtual disk to the Get-StorageTier

cmdlet by using the pipeline operator. The Get-StorageTier cmdlet gets the

storage tiers that compose the tiered virtual disk.

REMARKS

To see the examples, type: "get-help Get-StorageTier -examples".

For more information, type: "get-help Get-StorageTier -detailed".

For technical information, type: "get-help Get-StorageTier -full".

For online help, type: "get-help Get-StorageTier -online"