Windows PowerShell Get-Help on Cmdlet 'Get-StorageTierSupportedSize'

PS:\>Get-HELP Get-StorageTierSupportedSize -Full

NAME

   Get-StorageTierSupportedSize

SYNOPSIS

   Gets the minimum and maximum possible sizes of a storage tier.

SYNTAX

            Get-StorageTierSupportedSize   [-FriendlyName]   <String[]>   [-AsJob]   [-CimSession   <CimSession[]>]
[-ResiliencySettingName <String>] [-ThrottleLimit <Int32>]

   [<CommonParameters>]

            Get-StorageTierSupportedSize   [-AsJob]   [-CimSession   <CimSession[]>]   -InputObject   <CimInstance[]>
[-ResiliencySettingName <String>] [-ThrottleLimit <Int32>]

   [<CommonParameters>]

   Get-StorageTierSupportedSize [-AsJob] [-CimSession <CimSession[]>] [-ResiliencySettingName <String>] [-ThrottleLimit
<Int32>] -UniqueId <String[]> [<CommonParameters>]

DESCRIPTION

The Get-StorageTierSupportSize cmdlet gets the minimum and maximum possible sizes of a storage tier. Use this information to create or extend a virtual disk with the

specified resiliency setting on a Windows Storage subsystem.

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 an array of friendly names. The cmdlet gets the storage tiers that match the names that you specify.

Required?   true

Position?   0

Default value   None

Accept pipeline input?   True (ByPropertyName)

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

-ResiliencySettingName <String>

Specifies the name of the desired resiliency setting, for example, Simple, Mirror, or Parity.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

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 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.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-UniqueId <String[]>

Specifies an array of unique IDs, as strings.

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_StorageTier

You can use the pipeline operator to pass an MSFT_StorageTier object to the InputObject parameter to get the storage

tier supported size associated with the

StorageTier object.

OUTPUTS

System.Management.Automation.PSCustomObject

This cmdlet returns an object that lists the minimum and maximum amounts of space that the specified type of virtual

disk could use in the specified storage tier

as well as the tier size divisor. These values are System.UInt64 objects.

NOTES

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

----- Example 1: Get the size estimate for a mirror space -----

PS C:\> Get-StorageTierSupportedSize -FriendlyName "*SSD*" -ResiliencySettingName "Mirror"

SupportedSizes	TierSizeMin	TierSizeMax	TierSizeDivisor
{}	4294967296	2130303778816	4294967296
{}	4294967296	2130303778816	4294967296

This command gets the storage tier supported size estimates for capacity of a Fast (SSD) tier for a mirror space by using the FriendlyName and ResiliencySettingName
parameters.

RELATED LINKS

Online Version:
https://learn.microsoft.com/powershell/module/storage/get-storagetiersupportedsize?view=windowsserver2022-ps&wt.mc_id
=ps-gethelp
Get-PartitionSupportedSize
Get-VirtualDiskSupportedSize