PowerShell Get-Help on command 'Get-StorageTierSupportedSize'

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

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.

   -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. The cmdlet gets the storage tiers

      that match the names that you specify.

   -InputObject <CimInstance[]>

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

   -ResiliencySettingName <String>

      Specifies the name of the desired resiliency setting, for example, Simple,

      Mirror, or Parity.

   -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 unique IDs, as strings.

<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 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.

REMARKS

To see the examples, type: "get-help Get-StorageTierSupportedSize -examples".
For more information, type: "get-help Get-StorageTierSupportedSize -detailed".
For technical information, type: "get-help Get-StorageTierSupportedSize -full".

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