PowerShell Get-Help on command 'Get-VirtualDiskSupportedSize'

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

NAME

    Get-VirtualDiskSupportedSize

SYNOPSIS

    Returns all sizes supported by a storage pool for virtual disk creation based

    on the specified resiliency setting name.

SYNTAX

    Get-VirtualDiskSupportedSize [-AsJob] [-CimSession <CimSession[]>]

    [-FaultDomainAwareness {PhysicalDisk | StorageEnclosure | StorageScaleUnit |

    StorageChassis | StorageRack}] -InputObject <CimInstance[]>

    [-ResiliencySettingName <String>] [-ThrottleLimit <Int32>] [<CommonParameters>]

    Get-VirtualDiskSupportedSize [-StoragePoolFriendlyName] <String[]> [-AsJob]

    [-CimSession <CimSession[]>] [-FaultDomainAwareness {PhysicalDisk |

    StorageEnclosure | StorageScaleUnit | StorageChassis | StorageRack}]

    [-ResiliencySettingName <String>] [-ThrottleLimit <Int32>] [<CommonParameters>]

    Get-VirtualDiskSupportedSize [-AsJob] [-CimSession <CimSession[]>]

    [-FaultDomainAwareness {PhysicalDisk | StorageEnclosure | StorageScaleUnit |

StorageChassis | StorageRack}] [-ResiliencySettingName <String>]

-StoragePoolName <String[]> [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-VirtualDiskSupportedSize [-AsJob] [-CimSession <CimSession[]>]

[-FaultDomainAwareness {PhysicalDisk | StorageEnclosure | StorageScaleUnit |

StorageChassis | StorageRack}] [-ResiliencySettingName <String>]

-StoragePoolUniqueId <String[]> [-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Get-VirtualDiskSupportedSize cmdlet returns all sizes supported by a

storage pool for virtual disk creation based on the specified resiliency

setting name.

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.

-FaultDomainAwareness <FaultDomainType>

Specifies the desired level of fault tolerance. The acceptable values for

this parameter are:

- PhysicalDisk

- StorageScaleUnit

- StorageChassis

- StorageEnclosure

- StorageRack

For example, specify StorageScaleUnit if data copies should be stored on separate nodes of a Storage Spaces Direct cluster. This cmdlet refers to nodes of a Storage Spaces Direct cluster as storage scale units because you can expand the scale of the cluster by adding more nodes.

-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 .

-StoragePoolFriendlyName <String[]>
   Specifies an array of friendly names of storage pools. The cmdlet returns all sizes supported by the storage pools that you specify.

-StoragePoolName <String[]>
   Specifies an array of names of storage pools. The cmdlet returns all sizes supported by the storage pools that you specify.

-StoragePoolUniqueId <String[]>
   Specifies an array of unique IDs of storage pools, as strings. The cmdlet returns all sizes supported by the storage pools that you specify.

-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.

<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 --------------------------

   PS C:\>Get-VirtualDiskSupportedSize -ResiliencySettingsName Mirror

   This example lists the minimum and maximum supported sizes for virtual disk

   creation using the specified resiliency settings name.

REMARKS

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

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

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

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