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

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

NAME

   Get-StorageProvider

SYNOPSIS

   Returns a list of the storage providers available on the local computer.

SYNTAX

   Get-StorageProvider [[-Name] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-Manufacturer <String[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

   Get-StorageProvider [-AsJob] [-CimSession <CimSession[]>] [-Manufacturer <String[]>] [-ThrottleLimit <Int32>] [-URI <Uri[]>] [<CommonParameters>]

   Get-StorageProvider [-AsJob] [-CimSession <CimSession[]>] [-StorageSubSystem <CimInstance>] [-ThrottleLimit <Int32>] [<CommonParameters>]

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

DESCRIPTION

The Get-StorageProvider cmdlet returns a list of the storage providers available on the local computer. This cmdlet returns a list of the available storage providers

available to the computer, such as a SMP hardware provider, or a SMI-S provider connection.

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

-Manufacturer <String[]>

Specifies the name of the manufacturer of this piece of hardware or software.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

  -Name <String[]>

    Specifies the name of an object or setting.

    Required?   false

    Position?   0

    Default value   None

    Accept pipeline input?   True (ByPropertyName)

    Accept wildcard characters? false

  -StorageSubSystem <CimInstance>

          Accepts a StorageSubsystem object as input. The Storage Subsystem CIM object is exposed by the

Get-StorageSubsystem

    (https://technet.microsoft.com/library/ea364a0b-06d6-4653-b41c-be69b8038b54)cmdlet.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   True (ByValue)

    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

-URI <Uri[]>

Specifies the URI for the object.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-UniqueId <String[]>

Specifies an ID used to uniquely identify a Disk object in the system. The ID persists through restarts.

Required?   false

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_StorageSubsystem

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_StorageProvider

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: Get all Storage providers -------------

```
PS C:\>Get-StorageProvider

Type    Name                                    Manufacturer

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SMP     Storage Spaces Management Provider       Microsoft Corporation
```

This command gets all available Storage providers on the system.

RELATED LINKS

Online   Version:
https://learn.microsoft.com/powershell/module/storage/get-storageprovider?view=windowsserver2022-ps&wt.mc_id=ps-geth
elp