



python



PowerShell

FPDF Library
PDF generator

Full credit is given to the above companies including the OS that this PDF file was generated!

PowerShell Get-Help on command 'Set-StorageProvider'

PS C:\Users\wahid> Get-Help Set-StorageProvider

NAME

Set-StorageProvider

SYNOPSIS

Modifies whether to enable the SMP provider cache.

SYNTAX

```
Set-StorageProvider [-AsJob] [-CimSession <CimSession[]>] -InputObject  
<CimInstance[]> [-PassThru] [-RemoteSubsystemCacheMode {Disabled |  
ManualDiscovery}] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Set-StorageProvider [-ProviderName] <String[]> [-AsJob] [-CimSession  
<CimSession[]>] [-PassThru] [-RemoteSubsystemCacheMode {Disabled |  
ManualDiscovery}] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Set-StorageProvider [-AsJob] [-CimSession <CimSession[]>] [-PassThru]  
-ProviderUniqueId <String[]> [-RemoteSubsystemCacheMode {Disabled |  
ManualDiscovery}] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

DESCRIPTION

The Set-StorageProvider cmdlet modifies whether to enable the symmetric multiprocessing (SMP) provider cache. Specify a value of Manual for the RemoteSubsystemCacheMode parameter to enable caching. If you enable the cache on the management node that manages storage on remote computers or clusters, the management node caches remote objects. This caching can improve enumeration operations, such as the Get-StoragePool cmdlet or the New-VirtualDisk cmdlet.

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.

-InputObject <CimInstance[]>

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

-PassThru [<SwitchParameter>]

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

-ProviderName <String[]>

Specifies an array of names of providers. The cmdlet modifies the providers that you specify.

-ProviderUniqueld <String[]>

Specifies an array of unique IDs of providers. The cmdlet modifies the providers that you specify.

-RemoteSubsystemCacheMode <RemoteSubsystemCacheMode>

Specifies the cache mode for a remote subsystem. The acceptable values for this parameter are:

- Disable

- Manual

-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 PowerShell 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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

----- Example 1: Enable caching for a provider -----

```
PS C:\>Set-StorageProvider -ProviderName "Provider87"
```

```
-RemoteSubSystemCacheMode Manual
```

This command enables caching for a provider.

To see the examples, type: "get-help Set-StorageProvider -examples".

For more information, type: "get-help Set-StorageProvider -detailed".

For technical information, type: "get-help Set-StorageProvider -full".

For online help, type: "get-help Set-StorageProvider -online"