



Windows PowerShell Get-Help on Cmdlet 'Register-StorageSubsystem'

PS:\>Get-HELP Register-StorageSubsystem -Full

NAME

Register-StorageSubsystem

SYNOPSIS

Connects to storage subsystems on a remote computer.

SYNTAX

```
Register-StorageSubsystem [-AsJob] [-CimSession <CimSession[]>] -ComputerName <String> [-Credential  
<PSCredential>] -InputObject <CimInstance[]> [-ThrottleLimit  
<Int32>] [<CommonParameters>]
```

```
Register-StorageSubsystem [-ProviderName] <String[]> [-AsJob] [-CimSession <CimSession[]>] -ComputerName  
<String> [-Credential <PSCredential>] [-ThrottleLimit  
<Int32>] [<CommonParameters>]
```

```
Register-StorageSubsystem [-AsJob] [-CimSession <CimSession[]>] -ComputerName <String> [-Credential  
<PSCredential>] -ProviderUniqueId <String[]> [-ThrottleLimit  
<Int32>] [<CommonParameters>]
```

DESCRIPTION

The Register-StorageSubsystem cmdlet connects to storage subsystems on a remote computer or cluster. In data centers and clustered environments, a management node

manages storage on the remote computers. From the management node, you must connect to the storage subsystems on the remote computer or cluster before you can manage storage on the remote computer.

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

-ComputerName <String>

Specifies the name of a remote computer. Specify the IP address or any value that resolves to an IP address, such as a fully qualified domain name (FQDN), host name, or NetBIOS name.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-Credential <PSCredential>

Specifies a PSCredential object that contains the user credentials for the remote computer. To obtain a PSCredential object, use the Get-Credential cmdlet. For more information, type ``Get-Help Get-Credential``.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
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

-ProviderName <String[]>

Specifies an array of names of providers. The cmdlet connects to the storage subsystems that are managed by the storage providers that you specify.

Required?	true
Position?	0
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-ProviderUniquely <String[]>

Specifies an array of unique IDs of providers. The cmdlet connects to the storage subsystems that are managed by the storage providers that you specify.

Required?	true
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 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.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
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_StorageProvider

You can use the pipeline operator to pass an MSFT_StorageProvider object to the InputObject parameter.

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_StorageSubsystem

This cmdlet returns an MSFT_StorageSubsystem object. You can use this object to perform storage management operations on the remote computer.

NOTES

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

- Example 1: Register a storage subsystem on a remote computer -

```
PS C:\> Register-StorageSubsystem -ProviderName "Storage Spaces Management Provider" -ComputerName  
"StorageCluster01"
```

This command registers the storage subsystem named Storage Spaces Management Provider on the computer named StorageCluster01.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/storage/register-storagesubsystem?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Get-Credential <https://go.microsoft.com/fwlink/?LinkID=293936>

Unregister-StorageSubsystem

