



Windows PowerShell Get-Help on Cmdlet 'Optimize-StoragePool'

PS:\>Get-HELP Optimize-StoragePool -Full

NAME

Optimize-StoragePool

SYNOPSIS

Optimizes a Storage pool.

SYNTAX

Optimize-StoragePool [-FriendlyName] <String[]> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-PassThru] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

Optimize-StoragePool [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]> [-PassThru] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

Optimize-StoragePool [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -Name <String[]> [-PassThru] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

Optimize-StoragePool [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-PassThru] [-ThrottleLimit <Int32>] -Uniqueid <String[]> [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Optimize-StoragePool cmdlet rebalances the Spaces allocations in a pool to disks with available capacity.

If you are adding new disks or fault domains, this operation helps move existing Spaces allocations to them, and optimization improves their performance. However, rebalancing is an I/O intensive operation.

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

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-FriendlyName <String[]>

Specifies the friendly name of the Storage pool to optimize.

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

-Name <String[]>

Specifies the name of the Storage pool to optimize.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	True (ByPropertyName)

Accept wildcard characters? false

`-PassThru [<SwitchParameter>]`

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

Required? false

Position? named

Default value False

Accept pipeline input? False

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

`-Uniqueld <String[]>`

Specifies the unique ID of the storage pool to optimize.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required?	false
Position?	named
Default value	False
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

OUTPUTS

NOTES

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

----- Example 1: Optimize a Storage pool -----

```
PS C:\>Optimize-StoragePool -FriendlyName "SQLPool"
```

This command rebalances the Spaces allocation for all of the Spaces in the pool named SQLPool.

RELATED LINKS

https://learn.microsoft.com/powershell/module/storage/optimize-storagepool?view=windowsserver2022-ps&wt.mc_id=ps-get

help

Get-StoragePool

New-StoragePool

Remove-StoragePool

Set-StoragePool