



Windows PowerShell Get-Help on Cmdlet 'Set-BCCache'

PS:\>Get-HELP Set-BCCache -Full

NAME

Set-BCCache

SYNOPSIS

Modifies the cache file configuration.

SYNTAX

```
Set-BCCache [-Cache] < CimInstance[] > [-AsJob] [-CimSession < CimSession[] >] [-Confirm] [-Defragment] [-Force]
[-MoveTo < String >] [-PassThru] [-Percentage < UInt32 >]
[-SizeBytes < UInt64 >] [-ThrottleLimit < Int32 >] [-WhatIf] [< CommonParameters >]
```

```
Set-BCCache [[-Path] < String >] [-AsJob] [-CimSession < CimSession[] >] [-Confirm] [-Defragment] [-Force] [-MoveTo
< String >] [-PassThru] [-Percentage < UInt32 >]
[-SizeBytes < UInt64 >] [-ThrottleLimit < Int32 >] [-WhatIf] [< CommonParameters >]
```

DESCRIPTION

The Set-BCCache cmdlet modifies the cache file configuration. Use the Cache parameter to specify which cache this cmdlet configures.

PARAMETERS

`-AsJob [<SwitchParameter>]`

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job

completes. To manage the job, use the ``*-Job`` cmdlets. To get the job results, use the `Receive-Job` (<https://go.microsoft.com/fwlink/?LinkID=113372>) cmdlet.

For more information about Windows PowerShell background jobs, see `about_Jobs` (<https://go.microsoft.com/fwlink/?LinkID=113251>).

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

`-Cache <CimInstance[]>`

Specifies the cache this cmdlet modifies.

Required?	true
Position?	1
Default value	None
Accept pipeline input?	True (ByValue)
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`

[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

-Defragment [<SwitchParameter>]

Indicates that this cmdlet defragments the cache. Fragmented cache files store data less effectively. The BranchCache service detects cache fragmentation and raises an event in the Windows Event Log when it is time to defragment the cache.

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

-Force [<SwitchParameter>]

Forces the command to run without asking for user confirmation.

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

-MoveTo <String>

Specifies the new location on disk for this cache file.

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

-Path <String>

Specifies the path of the cache file.

Required? false
Position? 1
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Percentage <UInt32>

Specifies the new size of this cache file. The size is a percentage of the disk.

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

-SizeBytes <UInt64>

Specifies the new size of the cache file.

Required?	false
Position?	named
Default value	None
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

-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

None

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimV2\MSFT_NetBranchCacheCache[]

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

----- Example 1: Move a cache file -----

```
PS C:\> Set-BCCache -Path "C:\datacache" -MoveTo "D:\datacache"
```

This command moves the cache file from C:\datacache to D:\datacache.

----- Example 2: Change the size of a cache file -----

```
PS C:\> Get-BCDataCacheExtension | Where-Object -FilterScript {$_.MaxCacheSizeAsPercentageOfDiskVolume -Eq 10}
| Set-BCCache -Percentage 20
```

This command increases data cache files from 10 percent to 20 percent of the disk size. The command uses the Get-BCDataCacheExtension cmdlet to get cache extensions, and passes the results to the Where-Object cmdlet by using the pipeline operator. That cmdlet passes on objects that meet its requirement to the current cmdlet. That cmdlet modifies those extensions.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/branchcache/set-bccache?view=windowsserver2022-ps&wt.mc_id=ps-gethel
p

Where-Object <https://go.microsoft.com/fwlink/?LinkID=113423>

Clear-BCCache

Get-BCDataCacheExtension