



## ***Windows PowerShell Get-Help on Cmdlet 'Add-BCDataCacheExtension'***

***PS:\>Get-HELP Add-BCDataCacheExtension -Full***

### NAME

Add-BCDataCacheExtension

### SYNOPSIS

Increases the amount of cache storage space that is available on a hosted cache server by adding a new cache file.

### SYNTAX

```
Add-BCDataCacheExtension [[-Percentage] <UInt32>] [[-Path] <String>] [-AsJob] [-CimSession <CimSession[]>]
[-Confirm] [-Force] [-PassThru] [-ThrottleLimit <Int32>]

[-WhatIf] [<CommonParameters>]

Add-BCDataCacheExtension [[-Path] <String>] [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-Force] [-PassThru]
-SizeBytes <UInt64> [-ThrottleLimit <Int32>]

[-WhatIf] [<CommonParameters>]
```

### DESCRIPTION

The Add-BCDataCacheExtension cmdlet adds a data cache file to increase the amount of cache storage space that is available on a hosted cache server. Data cache files

can be spread across multiple disks to maximize performance.

## 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

`-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

**-Force [<SwitchParameter>]**

Forces the command to run without asking for user confirmation.

Required?	false
Position?	named
Default value	False
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 location where the data cache file is created.

Required?	false
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Position? 2  
Default value None  
Accept pipeline input? False  
Accept wildcard characters? false

**-Percentage <UInt32>**

Specifies the size of the cache file as a percentage of the disk space. The default value is five percent.

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

**-SizeBytes <UInt64>**

Specifies the size of the cache file in bytes.

Required? true  
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\_NetBranchCacheDataCacheExtension

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: Create a default cache extension -----

```
PS C:\> Add-BCDataCacheExtension
```

This command creates a data cache extension in the default location reserving five percent of the drive.

----- Example 2: Create a cache extension -----

```
PS C:\> Add-BCDataCacheExtension -Path "C:\datacache" -Percentage 10
```

This command adds a data cache extension in the C:\datacache directory reserving ten percent of C:.

#### RELATED LINKS

Online

Version:

[https://learn.microsoft.com/powershell/module/branchcache/add-bcdacacheextension?view=windowsserver2022-ps&wt.mc\\_id=ps-gethelp](https://learn.microsoft.com/powershell/module/branchcache/add-bcdacacheextension?view=windowsserver2022-ps&wt.mc_id=ps-gethelp)

Get-BCDataCacheExtension

Remove-BCDataCacheExtension