Windows PowerShell Get-Help on Cmdlet 'Publish-BCFileContent'

PS:\>Get-HELP Publish-BCFileContent -Full

NAME

   Publish-BCFileContent

SYNOPSIS

   Generates hashes for files in shared folders.

SYNTAX

      Publish-BCFileContent [-Path] <String[]> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-Force] [-Recurse]

[-ReferenceFile <String>] [-StageData] [-StagingPath

   <String>] [-ThrottleLimit <Int32>] [-UseVersion <UInt32>] [-WhatIf] [<CommonParameters>]

DESCRIPTION

   The Publish-BCFileContent cmdlet generates hashes, also called content information, for files in shared folders on file

servers that have BranchCache enabled and the

   BranchCache for Network Files role service installed.

   This cmdlet is also used to stage data for the creation of a data preloading package. Run this cmdlet with the StageData

parameter on one or more collections of

files. Run the Export-BCCachePackage cmdlet to produce a data package that contains all the staged data. You can import that data package on remote hosted cache

computers.

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

-Path <String[]>

Specifies the file path or the path of a folder that contains files that this cmdlet hashes.

Required?   true

Position?   1

Default value   None

Accept pipeline input?   True (ByValue)

Accept wildcard characters? false

-Recurse [<SwitchParameter>]

Indicates that hashes are created for content in subfolders. If you do not specify this parameter, this cmdlet creates

hashes only for content in the top folder.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

  -ReferenceFile <String>

      Specifies a reference file from a previous run. A reference file contains a list of identifiers that describe the data in a

data package. If you specify a

      reference file, this cmdlet excludes all data described in that file from the output. You can use a reference files to create

data packages that only contain the

      changes from the previous time a data package was created.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

  -StageData [<SwitchParameter>]

      Indicates that this cmdlet saves data to a staging area for future export using the Export-BCCachePackage cmdlet. If

you do not specify this parameter, hashes are

      generated for data, but the data is not prepared for export.

    Required?   false

    Position?   named

    Default value   False

    Accept pipeline input?   False

    Accept wildcard characters? false

  -StagingPath <String>

      Specifies a temporary folder to which this cmdlet saves the staging data. If you do not specify a location, this cmdlet

uses a default location on the local hard

disk. Use this parameter if a large data package is being created that must be housed on a separate hard disk.

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 PowerShellr 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

-UseVersion <UInt32>

Specifies the version of the BranchCache hashing scheme to use. If the version specified is 1, content information is generated according to the scheme used by

Windows 7 clients. If version specified is 2, content information is generated according to the more efficient hashing scheme used by client computers that run

operating systems later than Windowsr 7.

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

None

NOTES

----- Example 1: Hash the contents of a folder for export -----

```
PS C:\> Publish-BCFileContent -Path "D:\share" -StageData
```

This command hashes the contents of D:\share and adds the data to a cache package that can later be exported and sent to a remote hosted cache server.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/branchcache/publish-bcfilecontent?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Export-BCCachePackage