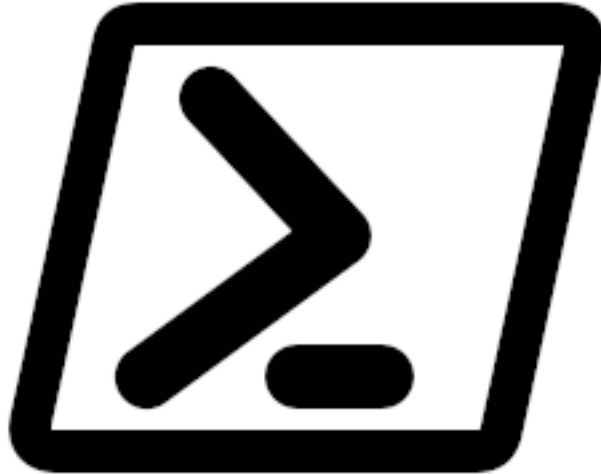


The Powershell Book Generator



PowerShell with BranchCache

The PowerShell Book Generator - Andreas Nick 2019

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Cmdlet: Add-BCDataCacheExtension

Synops

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>] [-CimSession <CimSession[]>] [-Force] [-PassThru] [-
ThrottleLimit
    <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

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

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :**PassThru**

Description :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	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**Path**

Description :Specifies the location where the data cache file is created.

Required	false
Position	3
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**Percentage**

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

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

Parameter :**SizeBytes**

Description :Specifies the size of the cache file in bytes.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Outputs

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.

Type :

`Microsoft.Management.Infrastructure.CimInstance#root\StandardCimV2\MSFT_NetBranchCacheDataCacheExtension`

Examples

Example 1: Create a default cache extension

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

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

Example 2: Create a cache extension

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

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

Cmdlet: Clear-BCCache

Synops

Deletes all data in all data cache files and all hash cache files.

Syntax

```
Clear-BCCache [-CimSession <CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Clear-BCCache cmdlet deletes all data in all cache files.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Disable-BC

Synops

Disables the BranchCache service.

Syntax

```
Disable-BC [-CimSession <CimSession[]>] [-Force] [-ThrottleLimit  
<Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Disable-BC cmdlet disables the BranchCache service.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Disable-BCDowngrading

Synops

Disables downgrading, so that client computers do not request previous versions of content information from content servers.

Syntax

```
Disable-BCDowngrading [-CimSession <CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Disable-BCDowngrading cmdlet stops client computers that are running later versions of the Windows operating systems later from requesting content information in the previous format. Instead, client computers request content information in the new format, which provides greater bandwidth savings and application performance gains.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

Required	false
Position	named
Default value	none

Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :ThrottleLimit

Description :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

Parameter :Confirm

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :WhatIf

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

Cmdlet: Disable-BCServeOnBattery

Synops

Configures a client to ignore content discovery requests in distributed cache mode when operating on battery power.

Syntax

```
Disable-BCServeOnBattery [-CimSession <CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Disable-BCServeOnBattery cmdlet configures a client to ignore content discovery requests in distributed cache mode when operating on battery power.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Enable-BCDistributed

Synops

Enables BranchCache and configures a computer to operate in distributed cache mode.

Syntax

```
Enable-BCDistributed [-CimSession <CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Enable-BCDistributed cmdlet enables BranchCache and configures a computer to operate in distributed cache mode.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Enable-BCDowngrading

Synops

Instructs a client computer that is running an operating system in a downgraded mode.

Syntax

```
Enable-BCDowngrading [[-Version] {Windows7 | Windows8}] [-  
CimSession <CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-  
Confirm] [-WhatIf]  
    [<CommonParameters>]
```

Description

The Enable-BCDowngrading cmdlet instructs a client computer that is running a later version of the Windows operating system to operate in a downgraded mode. In this mode, the client sends previous version-specific version requests to content servers, and content servers respond by sending previous versions of content information to the client.

Note: Windows® 7-based BranchCache client computers are not affected by this setting.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

Required	false
----------	-------

Position	named
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :ThrottleLimit

Description :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

Parameter :Version

Description :Specifies the downgrade mode version that should be used.

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

Parameter :Confirm

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Enable-BCHostedClient

Synops

Configures BranchCache to operate in hosted cache client mode.

Syntax

```
Enable-BCHostedClient [-ServerNames] <String[]> [-CimSession  
<CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-UseVersion  
{Windows7 |  
    Windows8}] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Enable-BCHostedClient [-CimSession <CimSession[]>] [-Force] [-  
ThrottleLimit <Int32>] -UseSCP [-Confirm] [-WhatIf]  
[<CommonParameters>]
```

Description

The Enable-BCHostedClient cmdlet configures BranchCache to operate in hosted cache client mode.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :ServerNames

Description :Specifies the names of the hosted cache servers that the client computer can use to store content and obtain content.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :ThrottleLimit

Description :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

Parameter :UseSCP

Description :Indicates that the client should locate hosted cache servers by using service connection points (SCP). A service connection point is an Active Directory object used to publish service specific data. A hosted cache server may register a service connection point object associated with the active directory site in which it resides. This is achieved with the RegisterSCP parameter on the Enable-BCHostedServer cmdlet.

Required	true
Position	named

Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**UseVersion**

Description :Specifies the version of the offer protocol to use when contacting this hosted cache server.

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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Examples

Example 1: Enable host cache client mode

This command enables hosted cache client mode using the HC.contos.com computer as

a hosted cache server. For HTTPS, use Windows® 7 mode (Windows7).

```
PS C:\>Enable-BHostedClient -ServerNames "HC.contoso.com" -  
UseVersion Windows7
```

Example 2: Enable host cache client mode for two servers

This command enables hosted cache client mode with two hosted cache servers:
HC1.contoso.com and HC2.contoso.com. For HTTP, use Windows 8 mode (Windows8).

```
PS C:\>Enable-BHostedClient -ServerNames  
"HC1.contoso.com", "HC2.contoso.com" -UseVersion Windows8
```

Cmdlet: Enable-BCHostedServer

Synops

Configures BranchCache to operate in hosted cache server mode.

Syntax

```
Enable-BCHostedServer [-CimSession <CimSession[]>] [-Force] [-RegisterSCP] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Enable-BCHostedServer cmdlet configures BranchCache to operate in hosted cache server mode.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :RegisterSCP

Description :Indicates that the hosted cache server registers a service connection point in Active Directory Domain Services (AD DS). After a hosted cache server registers a service connection point in AD DS, BranchCache-enabled client computers can locate the hosted cache server by using the service connection point.

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

Parameter :ThrottleLimit

Description :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

Parameter :Confirm

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :WhatIf

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

Cmdlet: Enable-BCLocal

Synops

Enables the BranchCache service in local caching mode.

Syntax

```
Enable-BCLocal [-CimSession <CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Enable-BCLocal cmdlet enables the BranchCache service in local caching mode. In local caching mode, a client stores data in the BranchCache cache, and attempts to read data from the local BranchCache cache, but does not contact peers and does not attempt to contact a hosted cache server.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

Required	false
Position	named
Default value	none
Accept pipeline input?	false

Accept wildcard characters?	false
-----------------------------	-------

Parameter :ThrottleLimit

Description :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

Parameter :Confirm

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :WhatIf

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

Cmdlet: Enable-BCServeOnBattery

Synops

Configures a client to listen for content discovery requests in distributed cache mode when operating on battery power.

Syntax

```
Enable-BCServeOnBattery [-CimSession <CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Enable-BCServeOnBattery cmdlet configures a client to listen for content discovery requests in distributed cache mode when operating on battery power.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Export-BCCachePackage

Synops

Exports a cache package.

Syntax

```
Export-BCCachePackage [[-StagingPath] <String>] [-CimSession  
<CimSession[]>] [-Force] [-OutputReferenceFile <String>] [-  
ThrottleLimit  
    <Int32>] -Destination <String> [-Confirm] [-WhatIf]  
[<CommonParameters>]
```

```
Export-BCCachePackage [-CimSession <CimSession[]>] [-Force] [-  
ThrottleLimit <Int32>] -Destination <String> -ExportDataCache [-  
Confirm]  
    [-WhatIf] [<CommonParameters>]
```

Description

The Export-BCCachePackage cmdlet exports a cache package.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Destination**

Description :Specifies the folder location where the data package is stored.

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

Parameter :**ExportDataCache**

Description :Specifies that the contents of the local data cache are included in the package.

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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :**OutputReferenceFile**

Description :Specifies the folder location where the output reference file is generated.

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

Parameter :**StagingPath**

Description :Specifies the folder location of the cache files that this cmdlet packages.

These files are generated from the Publish-BCFileContent cmdlet.

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

Parameter :ThrottleLimit

Description :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

Parameter :Confirm

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :WhatIf

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

Cmdlet: Export-BCSecretKey

Synops

Exports a secret key to a file.

Syntax

```
Export-BCSecretKey [-Filename] <String> [-FilePassphrase]  
<String> [-CimSession <CimSession[]>] [-Force] [-ThrottleLimit  
<Int32>] [-Confirm]  
[-WhatIf] [<CommonParameters>]
```

Description

The Export-BCSecretKey cmdlet exports a secret key to a file.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**FilePassphrase**

Description :Specifies the passphrase for the file that contains the key information to be affected by this cmdlet.

Required	true
Position	3
Default value	none
Accept pipeline input?	false

Accept wildcard characters?	false
-----------------------------	-------

Parameter :**Filename**

Description :Specifies the path of the file to be affected by this cmdlet.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Get-BCClientConfiguration

Synops

Retrieves the current BranchCache client computer settings.

Syntax

```
Get-BCClientConfiguration [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

Description

The Get-BCClientConfiguration cmdlet retrieves the current BranchCache client computer settings.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ThrottleLimit**

Description :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

Inputs

Type : None

Outputs

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.

Type :

`Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_NetBranchCacheClientSettingData`

Cmdlet: Get-BCContentServerConfiguration

Synops

Retrieves the current BranchCache content server settings.

Syntax

```
Get-BCContentServerConfiguration [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

Description

The Get-BCContentServerConfiguration cmdlet retrieves the current BranchCache content server settings.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ThrottleLimit**

Description :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

Inputs

Type : None

Outputs

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.

Type :

`Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_NetBranchCacheContentServerSettingData`

Cmdlet: Get-BCDataCache

Synops

Retrieves an object that represents the BranchCache data cache.

Syntax

```
Get-BCDataCache [-CimSession <CimSession[]>] [-ThrottleLimit  
<Int32>] [<CommonParameters>]
```

Description

The Get-BCDataCache cmdlet retrieves the BranchCache data cache.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ThrottleLimit**

Description :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

Outputs

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.

Type :

`Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_NetBranchCacheDataCache`

Cmdlet: Get-BCDataCacheExtension

Synops

Retrieves objects that represent the BranchCache data cache extensions from a hosted cache server.

Syntax

```
Get-BCDataCacheExtension [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

Description

The Get-BCDataCacheExtension cmdlet retrieves the BranchCache data cache extensions from a hosted cache server. Hosted cache servers that are running Windows Server® 2012 can have multiple data caches, which are Extensible Storage Engine (ESE) databases, and which are specified by using data cache extensions.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ThrottleLimit**

Description :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

Outputs

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.

Type :

`Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_NetBranchCacheDataCacheExtension`

Cmdlet: Get-BCHashCache

Synops

Retrieves the BranchCache hash cache.

Syntax

```
Get-BCHashCache [-CimSession <CimSession[]>] [-ThrottleLimit  
<Int32>] [<CommonParameters>]
```

Description

The Get-BCHashCache cmdlet retrieves an object that represents the BranchCache hash cache.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ThrottleLimit**

Description :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

Outputs

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.

Type :

`Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_NetBranchCacheHashCache`

Cmdlet: Get-BCHostedCacheServerConfiguration

Synops

Retrieves the current BranchCache hosted cache server settings.

Syntax

```
Get-BCHostedCacheServerConfiguration [-CimSession <CimSession[]>]  
[-ThrottleLimit <Int32>] [<CommonParameters>]
```

Description

The Get-BCHostedCacheServerConfiguration cmdlet retrieves the current BranchCache hosted cache server settings.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ThrottleLimit**

Description :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

Inputs

Type : None

Outputs

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.

Type :

`Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_NetBranchCacheContentServerSettingData`

Cmdlet: Get-BCNetworkConfiguration

Synops

Retrieves the current BranchCache network settings.

Syntax

```
Get-BCNetworkConfiguration [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

Description

The Get-BCNetworkConfiguration cmdlet retrieves the current BranchCache network settings.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ThrottleLimit**

Description :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

Inputs

Type : None

Outputs

Type : None

Cmdlet: Get-BCStatus

Synops

Retrieves a set of objects that provide BranchCache status and configuration information.

Syntax

```
Get-BCStatus [-CimSession <CimSession[]>] [-ThrottleLimit  
<Int32>] [<CommonParameters>]
```

Description

The Get-BCStatus cmdlet retrieves a set of objects that provide BranchCache status and configuration information. This cmdlet retrieves all of the objects returned by Get-BCClientSettings, Get-BCContentServerSettings, Get-BCHostedCacheServerSettings and Get-BCNetworkSettings.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ThrottleLimit**

Description :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

Outputs

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.

Type :

`Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_NetBranchCache`

Cmdlet: Import-BCCachePackage

Synops

Imports a cache package.

Syntax

```
Import-BCCachePackage [-Path] <String> [-CimSession  
<CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-  
WhatIf]  
    [<CommonParameters>]
```

Description

The Import-BCCachePackage cmdlet imports a cache package. A cache package contains file and web data that can be imported on remote hosted cache computers, so that it is available for the first client request. Use the Publish-BCFileContent and Publish-BCWebContent cmdlets to collect data on file and web servers into a cache package, and then use the Export-BCCachePackage cmdlet to generate a cache package file. Import this file on hosted cache computers using this cmdlet.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :Path

Description :Specifies the fully qualified file name of the cache package that this cmdlet imports.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :ThrottleLimit

Description :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

Parameter :Confirm

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Import-BCSecretKey

Synops

Imports the cryptographic key that BranchCache uses for the generation of segment secrets.

Syntax

```
Import-BCSecretKey [-Filename] <String> [-CimSession  
<CimSession[]>] [-Force] [-ThrottleLimit <Int32>] -FilePassphrase  
<String> [-Confirm]  
[-WhatIf] [<CommonParameters>]
```

Description

The Import-BCSecretKey cmdlet imports the cryptographic key that BranchCache uses for the generation of segment secrets. Use this cmdlet when you deploy BranchCache enabled content servers in a cluster or behind a network load balancer. If a file or webpage exists on multiple content servers, each server must use the same secret key. Otherwise, each copy of the file will be cached separately in the branch office.

Use the Export-BCSecretKey cmdlet to export the secret key from one server to a file. Import the contents of this file by using this cmdlet.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**FilePassphrase**

Description :Specifies the passphrase for the file that contains the key information to be

affected by this cmdlet.

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

Parameter :Filename

Description :Specifies the path of the file to be affected by this cmdlet.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :Force

Description :Forces the command to run without asking for user confirmation.

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

Parameter :ThrottleLimit

Description :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
-----------------------------	-------

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Publish-BCFileContent

Synops

Generates hashes for files in shared folders.

Syntax

```
Publish-BCFileContent [-Path] <String[]> [-CimSession  
<CimSession[]>] [-Force] [-Recurse] [-ReferenceFile <String>] [-  
StageData]  
    [-StagingPath <String>] [-ThrottleLimit <Int32>] [-UseVersion  
<UInt32>] [-Confirm] [-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

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :Path

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

Required	true
Position	2
Default value	none
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

Parameter :Recurse

Description :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	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :ReferenceFile

Description :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
-----------------------------	-------

Parameter :StageData

Description :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	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :StagingPath

Description :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

Parameter :ThrottleLimit

Description :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

Parameter :**UseVersion**

Description :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 firstref_client_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 Windows® 7.

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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

Type : None

Outputs

Type : None

Cmdlet: Publish-BCWebContent

Synops

Creates hashes for web content.

Syntax

```
Publish-BCWebContent [-Path] <String[]> [-CimSession  
<CimSession[]>] [-Force] [-Recurse] [-ReferenceFile <String>] [-  
StageData]  
    [-StagingPath <String>] [-ThrottleLimit <Int32>] [-UseVersion  
<UInt32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Publish-BCWebContent cmdlet creates hashes for web content when content servers are deployed that run Windows Server® 2012 with the Web Services (IIS) server role installed. In addition, the web server must be configured as a BranchCache content server by installing the BranchCache feature.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

Required	false
----------	-------

Position	named
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :Path

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

Required	true
Position	2
Default value	none
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

Parameter :Recurse

Description :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	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :ReferenceFile

Description :Specifies a reference file from a previous run.

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

Parameter :StageData

Description :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	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**StagingPath**

Description :Specifies a folder location where this cmdlet stores staging data.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**UseVersion**

Description :Specifies the version of the BranchCache hashing scheme to use. If the specified version is 1, the content information is generated according to the scheme used by firstref_client_7clients. If the specified version is 2, content information is generated according to the more efficient hashing scheme used by client computers that run operating systems later than Windows® 7.

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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

Type : None

Outputs

Type : None

Examples

Example 1: Hash the contents of a folder

This command pre-hashes the contents of wwwroot. Hashes are available as soon as requests are made.

```
PS C:\>Publish-BCWebContent -Path "D:\inetpub\wwwroot" -  
Recurse
```

Example 2: Hash the contents of a folder for export

This command adds data to a data package that can later be exported and preloaded on a remote hosted cache server.

```
PS C:\>Publish-BCWebContent -Path "D:\inetpub\wwwroot" -  
StageData
```

Cmdlet: Remove-BCDataCacheExtension

Synops

Deletes a data cache file.

Syntax

```
Remove-BCDataCacheExtension [-Path] <String> [-CimSession  
<CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-  
WhatIf]  
    [<CommonParameters>]
```

```
Remove-BCDataCacheExtension [-DataCacheExtension] <CimInstance[]>  
[-CimSession <CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-  
Confirm]  
    [-WhatIf] [<CommonParameters>]
```

Description

The Remove-BCDataCacheExtension cmdlet deletes the cache file that is specified.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**DataCacheExtension**

Description :Specifies the data cache extension that this cmdlet removes. You can obtain a BranchCache MSFT_NetBranchCacheDataCacheExtension CIM object by using the

Get-BCDataCacheExtension cmdlet.

Required	true
Position	2
Default value	none
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :**Path**

Description :Specifies the data cache extension that this cmdlet removes.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**ThrottleLimit**

Description :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
-----------------------------	-------

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Reset-BC

Synops

Resets BranchCache to the default configuration.

Syntax

```
Reset-BC [-CimSession <CimSession[]>] [-Force] [-ResetFWRulesOnly] [-ResetPerfCountersOnly] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [  
    <CommonParameters>]
```

Description

The Reset-BC cmdlet resets BranchCache to a default configuration.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :**ResetFWRulesOnly**

Description :Indicates that this cmdlet resets only the Windows firewall rules.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**ResetPerfCountersOnly**

Description :Indicates that this cmdlet resets the BranchCache performance counters without changing other BranchCache settings.

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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Set-BCAuthentication

Synops

Specifies the BranchCache computer authentication mode.

Syntax

```
Set-BCAuthentication [-Mode] {None | Domain} [-CimSession  
<CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-  
WhatIf]  
    [<CommonParameters>]
```

Description

The Set-BCAuthentication cmdlet specifies the authentication mode for client computers. This can be set on a hosted cache server to enable clients to prove domain membership before uploading data.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

Required	false
Position	named
Default value	none

Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :Mode

Description :Specifies the authentication mode. The acceptable values for this parameter are: Domain and None.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :ThrottleLimit

Description :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

Parameter :Confirm

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :WhatIf

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

Cmdlet: Set-BCCache

Synops

Modifies the cache file configuration.

Syntax

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

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

Description

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

Parameters

Parameter :**Cache**

Description :Specifies the cache this cmdlet modifies.

Required	true
Position	2
Default value	none
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :Defragment

Description :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	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :Force

Description :Forces the command to run without asking for user confirmation.

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

Parameter :MoveTo

Description :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

Parameter :**PassThru**

Description :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	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**Path**

Description :Specifies the path of the cache file.

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

Parameter :**Percentage**

Description :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

Parameter :**SizeBytes**

Description :Specifies the new size of the cache file.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Outputs

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.

Type :

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

Examples

Example 1: Move a cache file

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

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

Example 2: Change the size of a cache file

This command increases data cache files from 10 percent to 20 percent of the disk size. The command uses the Get-BCDataCacheExtension 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.

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

Cmdlet: Set-BCDataCacheEntryMaxAge

Synops

Modifies the maximum amount of time that data can remain in the cache.

Syntax

```
Set-BCDataCacheEntryMaxAge [-TimeDays] <UInt32> [-CimSession  
<CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-  
WhatIf]  
    [<CommonParameters>]
```

Description

The Set-BCDataCacheEntryMaxAge cmdlet specifies the maximum time that data can remain in the cache.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

Required	false
Position	named
Default value	none
Accept pipeline input?	false

Accept wildcard characters?	false
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Parameter :ThrottleLimit

Description :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

Parameter :TimeDays

Description :Specifies the number of days that content information and content remain in the cache before it is deleted.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :Confirm

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :WhatIf

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

Inputs

Type : None

Outputs

Type : None

Cmdlet: Set-BCMinSMBLatency

Synops

Sets the minimum latency that must exist between client and server before transparent caching functions are utilized.

Syntax

```
Set-BCMinSMBLatency [-LatencyMilliseconds] <UInt32> [-CimSession  
<CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-  
WhatIf]  
    [<CommonParameters>]
```

Description

The Set-BCMinSMBLatency cmdlet sets the minimum latency that must exist between client and server before transparent caching functions are used. Use this cmdlet to specify when client computers in branch offices start caching content from content servers based on the network latency, or delay, that occurs when the clients download content over a Wide Area Network (WAN) link. When a value for this cmdlet is specified, which is the maximum round trip network latency allowed before caching begins, clients do not cache content until the network latency reaches the specified value; when network latency is greater than the value, clients begin caching content after they receive it from the content servers.

For example, if the round trip network latency value is set to zero (0), the client computers always cache content that they receive from the content servers, no matter how high or low the network latency is between their request for a file and their receipt of the file from the content server. In another example, if the round trip network latency value is set to 100 milliseconds, then the clients do not cache content that they receive before 100 milliseconds pass, but they do begin to cache content that they receive after 100 milliseconds pass.

By default, the value of this setting is 80 milliseconds. To make sure that that client computers always cache content, set the network latency value to 0.

To prevent caching except in circumstances where network latency is very long, set the latency value to a very high value. If a high value is used, however, then it is possible that network latency will not reach this long a delay, in which case BranchCache is disabled on your network.

Whether this setting is disabled or not configured, the client computer will cache network

files if the round trip network latency of the wide area network (WAN) link is above 80 milliseconds.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :**LatencyMilliseconds**

Description :Specifies the minimum latency that must exist between client and server before BranchCache begins caching content.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Cmdlet: Set-BCSecretKey

Synops

Sets the cryptographic key used in the generation of segment secrets.

Syntax

```
Set-BCSecretKey [[-Passphrase] <String>] [-CimSession  
<CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-  
WhatIf]  
    [<CommonParameters>]
```

Description

The Set-BCSecretKey cmdlet sets the cryptographic key that is used in the generation of segment secrets. Use this cmdlet when you deploy BranchCache-enabled content servers in a cluster or behind a network load balancer. If a file or webpage exists on multiple content servers, each server must use the same secret key. Otherwise, each copy of the file will be cached separately in the branch office.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Force**

Description :Forces the command to run without asking for user confirmation.

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

Parameter :Passphrase

Description :Specifies the passphrase to use in the computation of the server secret key. Run this cmdlet on each server in a cluster by using the same passphrase to make sure that a common segment secret is used.

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

Parameter :ThrottleLimit

Description :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

Parameter :Confirm

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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