



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

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

NAME

Set-AzStorageFileContent

SYNOPSIS

Uploads the contents of a file.

SYNTAX

```
Set-AzStorageFileContent [-Directory] <Microsoft.Azure.Storage.File.CloudFileDirectory> [-Source] <System.String>
[[-Path] <System.String>] [-AsJob]
                        [-ClientTimeoutPerRequest] <System.Nullable`1[System.Int32]> [-ConcurrentTaskCount]
<System.Nullable`1[System.Int32]>] [-Context]
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile]
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force] [-PassThru]
[-PreserveSMBAttribute] [-ServerTimeoutPerRequest]
<System.Nullable`1[System.Int32]>] [-ShareDirectoryClient] <Azure.Storage.Files.Shares.ShareDirectoryClient>]
[-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Set-AzStorageFileContent [-ShareName] <System.String> [-Source] <System.String> [[-Path] <System.String>] [-AsJob]
[-ClientTimeoutPerRequest]
```

```

<System.Nullable`1[System.Int32]>] [-ConcurrentTaskCount <System.Nullable`1[System.Int32]>] [-Context
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisallowTrailingDot]
[-Force] [-PassThru] [-PreserveSMBAttribute]
[-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] [-Confirm] [-WhatIf] [<CommonParameters>]

Set-AzStorageFileContent [-Share] <Microsoft.Azure.Storage.File.CloudFileShare> [-Source] <System.String> [[-Path]
<System.String>] [-AsJob] [-ClientTimeoutPerRequest
<System.Nullable`1[System.Int32]>] [-ConcurrentTaskCount <System.Nullable`1[System.Int32]>] [-Context
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force] [-PassThru]
[-PreserveSMBAttribute] [-ServerTimeoutPerRequest
<System.Nullable`1[System.Int32]>] [-ShareClient <Azure.Storage.Files.Shares.ShareClient>] [-Confirm] [-WhatIf]
[<CommonParameters>]

```

DESCRIPTION

The Set-AzStorageFileContent cmdlet uploads the contents of a file to a file on a specified share.

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ClientTimeoutPerRequest <System.Nullable`1[System.Int32]>

Specifies the client-side time-out interval, in seconds, for one service request. If the previous call fails in the specified interval, this cmdlet retries the

request. If this cmdlet does not receive a successful response before the interval elapses, this cmdlet returns an error.

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

-ConcurrentTaskCount <System.Nullable`1[System.Int32]>

Specifies the maximum concurrent network calls. You can use this parameter to limit the concurrency to throttle local CPU and bandwidth usage by specifying the

maximum number of concurrent network calls. The specified value is an absolute count and is not multiplied by the core count. This parameter can help reduce

network connection problems in low bandwidth environments, such as 100 kilobits per second. The default value is 10.

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

-Context <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>

Specifies an Azure storage context. To obtain a storage context, use the `New-AzStorageContext` (`./New-AzStorageContext.md`) cmdlet.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	True (ByPropertyName, ByValue)
Accept wildcard characters?	false

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

The credentials, account, tenant, and subscription used for communication with Azure.

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

-Directory <Microsoft.Azure.Storage.File.CloudFileDirectory>

Specifies a folder as a CloudFileDirectory object. This cmdlet uploads the file to the folder that this parameter specifies.

To obtain a directory, use the

New-AzStorageDirectory cmdlet. You can also use the Get-AzStorageFile cmdlet to obtain a directory.

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName, ByValue)
Accept wildcard characters? false

-DisallowTrailingDot <System.Management.Automation.SwitchParameter>

Disallow trailing dot (.) to suffix directory and file names.

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

-Force <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet overwrites an existing Azure storage file.

Required? false
Position? named
Default value False

Accept pipeline input? False

Accept wildcard characters? false

-PassThru <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet returns the AzureStorageFile object that it creates or uploads.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Path <System.String>

Specifies the path of a file or folder. This cmdlet uploads contents to the file that this parameter specifies, or to a file in the folder that this parameter

specifies. If you specify a folder, this cmdlet creates a file that has the same name as the source file. If you specify a path of a file that does not exist,

this cmdlet creates that file and saves the contents to that file. If you specify a file that already exists, and you specify the Force parameter, this cmdlet

overwrites the contents of the file. If you specify a file that already exists and you do not specify Force , this cmdlet makes no change, and returns an error.

If you specify a path of a folder that does not exist, this cmdlet makes no change, and returns an error.

Required? false

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PreserveSMBAttribute <System.Management.Automation.SwitchParameter>

Keep the source File SMB properties (File Attributes, File Creation Time, File Last Write Time) in destination File. This parameter is only available on Windows.

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

-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>

Specifies the length of the time-out period for the server part of a request.

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

-Share <Microsoft.Azure.Storage.File.CloudFileShare>

Specifies a CloudFileShare object. This cmdlet uploads to a file in the file share this parameter specifies. To obtain a CloudFileShare object, use the

Get-AzStorageShare cmdlet. This object contains the storage context. If you specify this parameter, do not specify the Context parameter.

Required?	true
Position?	0
Default value	None
Accept pipeline input?	True (ByPropertyName, ByValue)
Accept wildcard characters?	false

-ShareClient <Azure.Storage.Files.Shares.ShareClient>

ShareClient object indicated the share where the file would be uploaded to.

Required?	false
Position?	named
Default value	None

Accept pipeline input? True (ByPropertyName, ByValue)

Accept wildcard characters? false

-ShareDirectoryClient <Azure.Storage.Files.Shares.ShareDirectoryClient>

CloudFileDirectory object indicated the cloud directory where the file would be uploaded.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

Accept wildcard characters? false

-ShareName <System.String>

Specifies the name of the file share. This cmdlet uploads to a file in the file share this parameter specifies.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Source <System.String>

Specifies the source file that this cmdlet uploads. If you specify a file that does not exist, this cmdlet returns an error.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

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

-WhatIf <System.Management.Automation.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

Microsoft.Azure.Storage.File.CloudFileShare

Microsoft.Azure.Storage.File.CloudFileDirectory

System.String

Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext

OUTPUTS

Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.AzureStorageFile

NOTES

----- Example 1: Upload a file in the current folder -----

```
Set-AzStorageFileContent -ShareName "ContosoShare06" -Source "DataFile37" -Path  
"ContosoWorkingFolder/CurrentDataFile"
```

This command uploads a file that is named DataFile37 in the current folder as a file that is named CurrentDataFile in the folder named ContosoWorkingFolder.

---- Example 2: Upload all the files in the current folder ----

```
$CurrentFolder = (Get-Item .).FullName  
$Container = Get-AzStorageShare -Name "ContosoShare06"  
Get-ChildItem -Recurse | Where-Object { $_.GetType().Name -eq "FileInfo" } | ForEach-Object {  
    $path=$_.FullName.Substring($CurrentFolder.Length+1).Replace("\","/")  
    Set-AzStorageFileContent -Share $Container -Source $_.FullName -Path $path -Force  
}
```

This example uses several common Windows PowerShell cmdlets and the current cmdlet to upload all files from the current folder to the root folder of container

ContosoShare06. The first command gets the name of the current folder and stores it in the \$CurrentFolder variable. The

second command uses the `Get-AzStorageShare`

`cmdlet` to get the file share named `ContosoShare06`, and then stores it in the `$Container` variable. The final command gets the contents of the current folder and passes

each one to the `Where-Object` cmdlet by using the pipeline operator. That cmdlet filters out objects that are not files, and then passes the files to the

`ForEach-Object` cmdlet. That cmdlet runs a script block for each file that creates the appropriate path for it and then uses the current cmdlet to upload the file. The

result has the same name and same relative position with regard to the other files that this example uploads. For more information about script blocks, type ``Get-Help`

`about_Script_Blocks``.

Example 3: Upload a local file to an Azure file, and preserve the local File SMB properties (File Attributes, File Creation Time, File Last Write Time) in the Azure file.

```
Set-AzStorageFileContent -Source $localFilePath -ShareName sample -Path "dir1/file1" -PreserveSMBAttribute
```

This example uploads a local file to an Azure file, and preserves the local File SMB properties (File Attributes, File Creation Time, File Last Write Time) in the Azure file.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.storage/set-azstoragefilecontent>

`Remove-AzStorageDirectory`

`New-AzStorageDirectory`

`Get-AzStorageFileContent`