



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

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

NAME

Get-AzStorageFileContent

SYNOPSIS

Downloads the contents of a file.

SYNTAX

```
Get-AzStorageFileContent [-Directory] <Microsoft.Azure.Storage.File.CloudFileDirectory> [-Path] <System.String>
[[-Destination] <System.String>] [-AsJob] [-CheckMd5]
                        [-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>]
```

```
Get-AzStorageFileContent [-ShareName] <System.String> [-Path] <System.String> [[-Destination] <System.String>]
[-AsJob] [-CheckMd5] [-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>]

```

```

Get-AzStorageFileContent [-File] <Microsoft.Azure.Storage.File.CloudFile> [[-Destination] <System.String>] [-AsJob]
[-CheckMd5] [-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]>] [-ShareFileClient <Azure.Storage.Files.Shares.ShareFileClient>] [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

Get-AzStorageFileContent [-Share] <Microsoft.Azure.Storage.File.CloudFileShare> [-Path] <System.String>
[-Destination] <System.String>] [-AsJob] [-CheckMd5]
[-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 Get-AzStorageFileContent cmdlet downloads the contents of a file, and then saves it to a destination that you specify. This cmdlet does not return the contents of the file.

-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

-CheckMd5 <System.Management.Automation.SwitchParameter>

Specifies whether to check the Md5 sum for the downloaded file.

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 context, use the New-AzStorageContext 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

-Destination <System.String>

Specifies the destination path. This cmdlet downloads the file contents to the location that this parameter specifies. If you specify the path of a file that does

not exist, this cmdlet creates that file, and saves the contents in the new file. If you specify a path of a file that already exists and you specify the Force

parameter, the cmdlet overwrites the file. If you specify a path of an existing file and you do not specify Force, the

cmdlet prompts you before it continues. If

you specify the path of a folder, this cmdlet attempts to create a file that has the name of the Azure storage file.

Required?	false
Position?	2
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 gets content for a file in 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

-File <Microsoft.Azure.Storage.File.CloudFile>

Specifies a file as a CloudFile object. This cmdlet gets the file that this parameter specifies. To obtain a CloudFile object, use the Get-AzStorageFile cmdlet.

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

-Force <System.Management.Automation.SwitchParameter>

If you specify the path of a file that does not exist, this cmdlet creates that file, and saves the contents in the new file. If you specify a path of a file that

already exists and you specify the Force parameter, the cmdlet overwrites the file. If you specify a path of an existing file and you do not specify Force , the

cmdlet prompts you before it continues. If you specify the path of a folder, this cmdlet attempts to create a file that has the name of the 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 downloads.

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

-Path <System.String>

Specifies the path of a file. This cmdlet gets the contents the file that this parameter specifies. If the file does not exist, this cmdlet returns an error.

Required?	true
Position?	1
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 service side time-out interval, in seconds, for a request. If the specified interval elapses before the service processes the request, the storage service returns an error.

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 downloads the contents of the file in the 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>

CloudFileShare object indicated the share where the file would be downloaded.

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

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

ShareDirectoryClient object indicated the cloud directory where the file would be downloaded.

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

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

ShareFileClient object indicated the cloud file to be downloaded.

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 downloads the contents of the file in the share this parameter specifies.

Required?	true
Position?	0
Default value	None
Accept pipeline input?	False
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

Microsoft.Azure.Storage.File.CloudFile

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

OUTPUTS

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

NOTES

----- Example 1: Download a file from a folder -----

```
Get-AzStorageFileContent -ShareName "ContosoShare06" -Path "ContosoWorkingFolder/CurrentDataFile"
```

This command downloads a file that is named CurrentDataFile in the folder ContosoWorkingFolder from the file share ContosoShare06 to current folder.

---- Example 2: Downloads the files under sample file share ----

```
Get-AzStorageFile -ShareName sample | Where-Object {$_.GetType().Name -eq "CloudFile"} |  
Get-AzStorageFileContent
```

This example downloads the files under sample file share

Example 3: Download an Azure file to a local file, and perserve the Azure File SMB properties (File Attributtes, File Creation Time, File Last Write Time) in the local file.

```
Get-AzStorageFileContent -ShareName sample -Path "dir1/file1" -Destination $localFilePath -PreserveSMBAttribute
```

This example downloads an Azure file to a local file, and perserves the Azure File SMB properties (File Attributtes, File Creation Time, File Last Write Time) in the local file.

RELATED LINKS

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

Get-AzStorageFile

Set-AzStorageFileContent