



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

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

NAME

Get-AzStorageFile

SYNOPSIS

Lists directories and files for a path.

SYNTAX

```
Get-AzStorageFile [-Directory] <Microsoft.Azure.Storage.File.CloudFileDirectory> [[-Path] <System.String>]
[-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>]
[-ExcludeExtendedInfo] [-ServerTimeoutPerRequest
<System.Nullable`1[System.Int32]>] [-ShareDirectoryClient <Azure.Storage.Files.Shares.ShareDirectoryClient>]
[<CommonParameters>]
```

```
Get-AzStorageFile [-ShareName] <System.String> [[-Path] <System.String>] [-ClientTimeoutPerRequest
<System.Nullable`1[System.Int32]>] [-ConcurrentTaskCount
```

```

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-DisallowTrailingDot]
[-ExcludeExtendedInfo] [-ServerTimeoutPerRequest
    <System.Nullable`1[System.Int32]>] [<CommonParameters>]

    Get-AzStorageFile [-Share] <Microsoft.Azure.Storage.File.CloudFileShare> [[-Path] <System.String>]
[-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>]
[-ExcludeExtendedInfo] [-ServerTimeoutPerRequest
    <System.Nullable`1[System.Int32]>] [-ShareClient <Azure.Storage.Files.Shares.ShareClient>] [<CommonParameters>]

```

DESCRIPTION

The Get-AzStorageFile cmdlet lists directories and files for the share or directory that you specify. Specify the Path parameter to get an instance of a directory or

file in the specified path. This cmdlet returns AzureStorageFile and AzureStorageDirectory objects. You can use the IsDirectory property to distinguish between

folders and files.

PARAMETERS

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

Specifies the client side time-out interval, in seconds, for one service request. If the previous call fails within 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 mitigate

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 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 gets 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

-ExcludeExtendedInfo <System.Management.Automation.SwitchParameter>

Not include extended file info like timestamps, ETag, attributes, permissionKey in list file and Directory.

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

-Path <System.String>

Specifies the path of a folder. If you omit the Path parameter, Get-AzStorageFile lists the directories and files in the specified file share or directory. If you

include the Path parameter, Get-AzStorageFile returns an instance of a directory or file in the specified path.

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

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

Specifies the service-side timeout 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 gets a file or directory from the file share that 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 files/directories would be listed.

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 base folder where the files/directories would be listed.

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 gets a file or directory from the file share that this parameter specifies.

Required?	true
Position?	0
Default value	None
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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

Microsoft.Azure.Storage.File.CloudFileShare

Microsoft.Azure.Storage.File.CloudFileDirectory

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

OUTPUTS

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

NOTES

----- Example 1: List directories in a share -----

```
Get-AzStorageFile -ShareName "ContosoShare06" | Where-Object {$_.GetType().Name -eq "AzureStorageFileDirectory"}
```

This command lists only the directories in the share ContosoShare06. It first retrieves both files and directories, passes them to the where operator by using the pipeline operator, then discards any objects whose type is not "AzureStorageFileDirectory".

----- Example 2: List a File Directory -----

```
Get-AzStorageFile -ShareName "ContosoShare06" -Path "ContosoWorkingFolder" | Get-AzStorageFile
```

This command lists the files and folders in the directory ContosoWorkingFolder under the share ContosoShare06. It first

gets the directory instance, and then

pipelines it to the Get-AzStorageFile cmdlet to list the directory.

RELATED LINKS

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

Get-AzStorageFileContent

New-AzStorageDirectory

Remove-AzStorageDirectory

Remove-AzStorageFile

Set-AzStorageFileContent