



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

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

NAME

Get-AzStorageFileHandle

SYNOPSIS

Lists file handles of a file share, a file directory or a file.

SYNTAX

```
Get-AzStorageFileHandle [-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>] [-Recursive]
[-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>]
[-ShareDirectoryClient <Azure.Storage.Files.Shares.ShareDirectoryClient>] [-IncludeTotalCount] [-Skip <System.UInt64>]
[-First <System.UInt64>] [<CommonParameters>]
```

```
Get-AzStorageFileHandle [-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]
[-Recursive] [-ServerTimeoutPerRequest
    <System.Nullable`1[System.Int32]>] [-IncludeTotalCount] [-Skip <System.UInt64>] [-First <System.UInt64>]
[<CommonParameters>]
```

```
Get-AzStorageFileHandle [-File] <Microsoft.Azure.Storage.File.CloudFile> [-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>] [-Recursive]
[-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>]
[-ShareFileClient <Azure.Storage.Files.Shares.ShareFileClient>] [-IncludeTotalCount] [-Skip <System.UInt64>] [-First
<System.UInt64>] [<CommonParameters>]
```

```
Get-AzStorageFileHandle [-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>] [-Recursive]
[-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>]
[-ShareClient <Azure.Storage.Files.Shares.ShareClient>] [-IncludeTotalCount] [-Skip <System.UInt64>] [-First
<System.UInt64>] [<CommonParameters>]
```

DESCRIPTION

The Get-AzStorageFileHandle cmdlet lists file handles of a file share, or file directory or a file.

PARAMETERS

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

The client side maximum execution time for each request in seconds.

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

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

The total amount of concurrent async tasks. 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>

Azure Storage Context Object

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>

CloudFileDirectory object indicated the base folder where the files/directories would be listed.

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>

CloudFile object indicated the file to list File Handles.

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

-Path <System.String>

Path to an existing file/directory.

Required? false
Position? 1
Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Recursive <System.Management.Automation.SwitchParameter>

List handles Recursively. Only works on File Directory.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

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

The server time out for each request in seconds.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

CloudFileShare object indicated the share where the files/directories would be listed.

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 list File Handles

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 list File Handles

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 file to list File Handles.

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

-ShareName <System.String>

Name of the file share where the files/directories would be listed.

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

-IncludeTotalCount <System.Management.Automation.SwitchParameter>

Reports the number of objects in the data set (an integer) followed by the objects. If the cmdlet cannot determine the total count, it returns 'Unknown total count'. Currently, this parameter does nothing.

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

-Skip <System.UInt64>

Ignores the first 'n' objects and then gets the remaining objects.

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

-First <System.UInt64>

Gets only the first 'n' objects.

Required?	false
Position?	named
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>).

INPUTS

Microsoft.Azure.Storage.File.CloudFileShare

Microsoft.Azure.Storage.File.CloudFileDirectory

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

OUTPUTS

Microsoft.Azure.Storage.File.FileHandleResultSegment

NOTES

Example 1: List all file handles on a file share recursively, and sort by ClientIp and OpenTime

Get-AzStorageFileHandle -ShareName "mysharename" -Recursive | Sort-Object ClientIP,OpenTime

HandleId	Path	ClientIp	ClientPort	OpenTime	LastReconnectTime	FileId	ParentId
SessionId							
-----	----	-----	-----	-----	-----	-----	-----
28506980357		104.46.105.229	49805	2019-07-29 08:37:36Z		0	0
9297571480349046273							
28506980537	dir1	104.46.105.229	49805	2019-07-30 09:28:48Z		103763639102058004980	

```

9297571480349046273
28506980538 dir1      104.46.105.229 49805    2019-07-30 09:28:48Z      10376363910205800448 0
9297571480349046273
28582543365          104.46.119.170 51675    2019-07-30 09:29:32Z      0          0
9477733061320772929
28582543375 dir1      104.46.119.170 51675    2019-07-30 09:29:38Z      10376363910205800448 0
9477733061320772929
28582543376 dir1      104.46.119.170 51675    2019-07-30 09:29:38Z      10376363910205800448 0
9477733061320772929

```

This command lists file handles on a file share, and sort the output by ClientIp, then by OpenTime.

Example 2: List first 2 file handles on a file directory recursively

```
Get-AzStorageFileHandle -ShareName "mysharename" -Path 'dir1/dir2' -Recursive -First 2
```

HandleId	Path	ClientIp	ClientPort	OpenTime	LastReconnectTime	FileId	ParentId
24057151779	dir1/dir2	104.46.105.229	50861	2019-06-18 07:39:23Z			16140971433240035328
11529285414812647424		9549812641162070049					
24057151780	dir1/dir2	104.46.105.229	50861	2019-06-18 07:39:23Z			16140971433240035328
11529285414812647424		9549812641162070049					

This command lists first 2 file handles on a file directory recursively .

-- Example 3: List the 3rd to the 6th file handles on a file --

```
Get-AzStorageFileHandle -ShareName "mysharename" -Path 'dir1/dir2/test.txt' -skip 2 -First 4
```

HandleId	Path	ClientIp	ClientPort	OpenTime	LastReconnectTime	FileId	ParentId
----------	------	----------	------------	----------	-------------------	--------	----------

SessionId

```
-----  ----  -----  -----  -----  -----
24055513248 dir1/dir2/test.txt 104.46.105.229 49817    2019-06-18 08:21:59Z    9223407221226864640
16140971433240035328 9338416139169958321
24055513249 dir1/dir2/test.txt 104.46.105.229 49817    2019-06-18 08:21:59Z    9223407221226864640
16140971433240035328 9338416139169958321
24055513252 dir1/dir2/test.txt 104.46.105.229 49964    2019-06-18 08:22:54Z    9223407221226864640
16140971433240035328 9338416138431762125
24055513253 dir1/dir2/test.txt 104.46.105.229 49964    2019-06-18 08:22:54Z    9223407221226864640
16140971433240035328 9338416138431762125
```

This command lists the 3rd to the 6th file handles on a file.

RELATED LINKS

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