



Windows PowerShell Get-Help on Cmdlet 'New-SFTPFileStream'

PS:\>Get-HELP New-SFTPFileStream -Full

NAME

New-SFTPFileStream

SYNOPSIS

Create a IO Stream over SFTP for a file on a remote host.

SYNTAX

New-SFTPFileStream [-SessionId] <Int32> [-Path] <String> [-FileMode] <String> [-FileAccess] <String>
[<CommonParameters>]

New-SFTPFileStream [-SFTPSession] <SftpSession> [-Path] <String> [-FileMode] <String> [-FileAccess] <String>
[<CommonParameters>]

DESCRIPTION

Create a IO Stream over SFTP for a file on a remote host.

PARAMETERS

-SessionId <Int32>

SSH Session Id for an existing session.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Path <String>

Path of file to create a stream for.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-FileMode <String>

Specifies how the operating system should open a file. Options are:

* Append - Opens the file if it exists and seeks to the end of the file, or creates a new file.

* Create - Specifies that the operating system should create a new file.

* CreateNew - Specifies that the operating system should create a new file

* Open - Specifies that the operating system should open an existing file.

* OpenOrCreate - Specifies that the operating system should open a file if it exists; otherwise, a new file should be created.

* Truncate - Specifies that the operating system should open an existing file. When the file is opened, it should be

truncated so that its size is zero bytes.

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

-FileAccess <String>

Defines constants for read, write, or read/write access to a file. * Read - Read access to the file. Data can be read from the file. * ReadWrite - Read and write

access to the file. Data can be written to and read from the file. * Write - Write access to the file. Data can be written to the file.

Required?	true
Position?	3
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-SFTPSession <SftpSession>

SFTP Session Object of an exiting session.

Required?	true
Position?	0
Default value	None
Accept pipeline input?	True (ByValue)
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

System.Int32

System.String

SSH.SftpSession

OUTPUTS

Renci.SshNet.Sftp.SftpFileStream

NOTES

----- EXAMPLE 1 -----

```
$bashhistory = New-SFTPFileStream -SessionId 0 -Path /home/admin/.bash_history -FileMode Open -FileAccess Read
```

```
PS C:\> $bashhistory
```

CanRead : True

CanSeek : True

CanWrite : False

CanTimeout : True
Length : 830
Position : 0
IsAsync : False
Name : /home/admin/.bash_history
Handle : {0, 0, 0, 0}
Timeout : 00:00:30
ReadTimeout :
WriteTimeout :

```
PS C:\> $streamreader = New-Object System.IO.StreamReader -ArgumentList $bashhistory
```

```
PS C:\> while ($streamreader.Peek() -ge 0) {$streamreader.ReadLine()}
```

```
ls
```

```
exit
```

```
ssh-keygen -t rsa
```

```
mv ~/.ssh/id_rsa.pub ~/.ssh/authorized_keys
```

```
chmod 600 ~/.ssh/authorized_keys
```

```
vim /etc/ssh/sshd_config
```

```
sudo vim /etc/ssh/sshd_config
```

```
PS C:\>
```

RELATED LINKS

Online Version: <https://github.com/darkoperator/Posh-SSH/tree/master/docs>