



### ***Windows PowerShell Get-Help on Cmdlet 'Set-SCPItem'***

***PS:\>Get-HELP Set-SCPItem -Full***

#### **NAME**

Set-SCPItem

#### **SYNOPSIS**

Upload an item, either file or directory to a remote system via SCP.

#### **SYNTAX**

```
Set-SCPItem [-ComputerName] <String[]> [-Credential] <PSCredential> [-Path] <String> [-Destination] <String>
[-AcceptKey] [-ConnectionTimeout <Int32>]
[-ErrorOnUntrusted] [-Force] [-KeyFile <String>] [-NewName <String>] [-OperationTimeout <Int32>] [-Port <Int32>]
[-ProxyCredential <PSCredential>] [-ProxyPort
<Int32>] [-ProxyServer <String>] [-ProxyType {HTTP | Socks4 | Socks5}] [-KeepAliveInterval <Int32>] [-KnownHost
<IStore>] [-PathTransformation <String>]
[<CommonParameters>]
```

```
Set-SCPItem [-ComputerName] <String[]> [-Credential] <PSCredential> [-Path] <String> [-Destination] <String>
[-AcceptKey] [-ConnectionTimeout <Int32>]
[-ErrorOnUntrusted] [-Force] [-KeyString <String[]>] [-NewName <String>] [-OperationTimeout <Int32>] [-Port <Int32>]
[-ProxyCredential <PSCredential>] [-ProxyPort
```

<Int32>] [-ProxyServer <String>] [-ProxyType {HTTP | Socks4 | Socks5}] [-KeepAliveInterval <Int32>] [-KnownHost  
<IStore>] [-PathTransformation <String>]  
[<CommonParameters>]

## DESCRIPTION

Upload an item, either file or directory to a remote system via SCP.

## PARAMETERS

-AcceptKey [<SwitchParameter>]

Auto add host key fingerprint to the list of trusted host/fingerprint pairs.

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ComputerName <String[]>

FQDN or IP Address of host to establish a SSH connection.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ConnectionTimeout <Int32>

Connection timeout interval in seconds.

Required? false

Position? named

Default value            10

Accept pipeline input?    True (ByPropertyName)

Accept wildcard characters? false

#### -Credential <PSCredential>

SSH Credentials to use for connecting to a server. If a key file is used the password field is used for the Key pass phrase.

Required?                true

Position?                1

Default value            None

Accept pipeline input?    True (ByPropertyName)

Accept wildcard characters? false

#### -Destination <String>

Path on the remote system where to copy the Item.

Required?                true

Position?                3

Default value            None

Accept pipeline input?    True (ByPropertyName)

Accept wildcard characters? false

#### -ErrorOnUntrusted [<SwitchParameter>]

Raise an exception if the fingerprint is not trusted for the host.

Required?                false

Position?                named

Default value            False

Accept pipeline input?    True (ByPropertyName)

Accept wildcard characters? false

#### -Force [<SwitchParameter>]

Do not check the remote host fingerprint.

Required? false  
Position? named  
Default value False  
Accept pipeline input? True (ByPropertyName)  
Accept wildcard characters? false

**-KeyFile <String>**

OpenSSH format SSH private key file.

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

**-KeyString <String[]>**

String array of the content of a OpenSSH key file.

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

**-NewName <String>**

New name for the item on the destination path.

Required? false  
Position? named  
Default value None  
Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-OperationTimeout <Int32>

Timeout for execution of an operation. Zero or below disables timeout

Required? false

Position? named

Default value 0

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Path <String>

Path of the item to upload.

Required? true

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Port <Int32>

SSH TCP Port number to use for the SSH connection.

Required? false

Position? named

Default value 22

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ProxyCredential <PSCredential>

PowerShell Credential Object with the credentials for use to connect to proxy server if required.

Required? false

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

**-ProxyPort <Int32>**

Port to connect to on proxy server to route connection.

Required?                  false  
Position?                  named  
Default value              8080  
Accept pipeline input?    True (ByPropertyName)  
Accept wildcard characters? false

**-ProxyServer <String>**

Proxy server name or IP Address to use for connection.

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

**-ProxyType <String>**

Type of Proxy being used (HTTP, Socks4 or Socks5).

Required?                  false  
Position?                  named  
Default value              HTTP  
Accept pipeline input?    True (ByPropertyName)  
Accept wildcard characters? false

**-KeepAliveInterval <Int32>**

Sets a timeout interval in seconds after which if no data has been received from the server, session will send a message through the encrypted channel to request a response from the server

Required? false  
Position? named  
Default value 10  
Accept pipeline input? True (ByPropertyName)  
Accept wildcard characters? false

#### **-KnownHost <IStore>**

Known Host IStore either from New-SSHMemoryKnownHost, Get-SSHJsonKnownHost or Get-SSHOpenSSHKnownHost.

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

#### **-PathTransformation <String>**

Remote Path transformation to use.

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

System.String[]

System.Management.Automation.PSCredential   System.Int32   System.String   System.Boolean

System.Management.Automation.SwitchParameter

## OUTPUTS

System.Object

## NOTES

----- Example 1 -----

```
PS C:\> Set-SCPIItem -ComputerName 192.168.1.169 -Credential carlos -Path .\testcode -Destination /tmp -Verbose
```

VERBOSE: Using SSH Username and Password authentication for connection.

VERBOSE: Fingerprint for 192.168.1.169: 5a:a3:85:c6:63:83:6b:6c:2a:8f:9b:44:20:70:eb:7c

VERBOSE: Fingerprint matched trusted fingerprint for host 192.168.1.169

VERBOSE: Connection successful

VERBOSE: Uploading: C:\testcode

VERBOSE: Destination: /tmp/testcode

Upload a directory to the target folder.

## RELATED LINKS

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



