

WinSCP PUT command

https://winscp.net/eng/docs/scriptcommand_put#speed

[Uploads](#) one or more files from local directory to remote directory.

- [Syntax](#)
- [Remarks](#)
- [Examples](#)
- [Converting to .NET Assembly](#)

Syntax

```
put <file> [ [ <file2> ... ] <directory>/[ <newname> ] ]
```

Remarks

If only one parameter is specified, uploads the file to remote working directory. If more parameters are specified, all except the last one specify set of files to upload. Filename can be replaced with Windows wildcard [_](#) to select multiple files. To upload all files in a directory, use mask `*`.

The last parameter specifies target remote directory and optionally [operation mask](#) to store file(s) under different name. Target directory must end with slash. To upload more files to current working directory use `./` as the last parameter.

With the [/stdin command-line switch](#), `-` can be used as a source to stream the [standard input of winscp.com](#) to remote server. Streaming is supported with the [SFTP protocol](#) only.

When specific file name is used, command fails when the file does not exist. When wildcard is used, command succeeds, without doing anything, if the wildcard does not match any file, by default (you can change this using [option failonnomatch on](#) command).

You can have WinSCP [generate a code template](#) for put for you.

See also [synchronize](#), if you need to transfer modified files only.

Switches:

Switch	Description
<code>-delete</code>	Delete source local file(s) after a successful transfer.
<code>-latest</code>	Uploads the latest file from the files selected by the <code>file</code> , <code>file2</code> ... parameters (typically file masks) only.
<code>-resume</code>	Automatically resume transfer if possible. 2 SFTP and FTP protocols only. Cannot be combined with -append . Has no effect when streaming (<code>- source</code>).
<code>-append</code>	Append source file to the end of target file. SFTP protocol only. Cannot be combined with -resume . Has no effect when streaming (<code>- source</code>).
<code>-preservetime</code>	Preserve timestamp.
<code>-nopreservetime</code>	Do not preserve timestamp.
<code>-permissions=<mode></code>	Set permissions (SFTP and SCP protocols only). Has no effect when streaming (<code>- source</code>).
<code>-nopermissions</code>	Keep default permissions.
<code>-speed=<kbps></code>	Limit transfer speed (in KB/s).
<code>-transfer=<mode></code>	<code>binary ascii automatic</code> Transfer mode : <code>binary</code> , <code>ascii</code> (text), <code>automatic</code> (by extension).
<code>-filemask=<mask></code>	<code><mask>[;<mask2>...]</code> Sets file mask .
<code>-resumesupport=<state></code>	<code>on off <threshold></code> Configures automatic resume/transfer to temporary filename .
<code>-neweronly</code>	Transfer new and updated files only. See also synchronize command.
<code>-rawtransfersettings</code>	Allows configuring any transfer settings using raw format as in an INI file. E.g. to

setting1=value1 enable preserving of directory timestamps, use -rawtransfersettings
setting2=value2 ... PreserveTimeDirs=1. The switch should come only after other parameters.

Aliases: send, mput

Effective [options](#): [confirm](#), [reconnecttime](#), [failonnomatch](#)

XML log elements: [upload](#), [mkdir](#), [chmod](#) (with [-permissions](#)), [touch](#) (with [-preservetime](#))

Examples

[put](#) index.html

[put](#) -delete index.html about.html ./

[put](#) -permissions=644 index.html about.html /home/martin/public_html/

[put](#) d:\www\index.html about.*

[put](#) *.html *.png /home/martin/backup/*.bak

[put](#) -filemask=*.html -resumesupport=on *

Converting to .NET Assembly

When [converting script to .NET Assembly](#), map put command to [Session.PutFiles](#) method.

Parameters mapping: Command parameter file maps to method parameter localPath. When multiple source file parameters are used, you need to call [Session.PutFiles](#) multiple times. Command parameter directory/newname maps to method parameter remotePath. You have to [convert relative paths to absolute paths](#).

Switches mapping:

Switch	Mapping
-delete	Value true (\$True in PowerShell) for method parameter remove.
-latest	See Uploading the most recent file .
-resume	
-append	
-preservetime	
-nopreservetime	
-permissions	Converting transfer settings scripting switches to .NET assembly class
-nopermissions	TransferSettings.
-transfer	
-filemask	
-resumesupport	
-speed=<kbps>	
-neweronly	Not supported. Use Session.SynchronizeDirectories instead.

To emulate the (default) [option batch abort](#) mode, call [TransferOperationResult.Check](#) on method's result. See also [Capturing results of operations](#).

For example, following script snippet:

```
cd /home/martin
```

```
lcd d:\
```

```
...
```

```
put -delete -filemask=*>1M -resumesupport=off *.txt *.xml web/
```

maps to following [PowerShell](#) code:

```
$transferOptions = New-Object WinSCP.TransferOptions
```

```
# -filemask=*>1M
```

```
$transferOptions.FileMask = "*>1M"
```

```
# -resumesupport=off
```

```
$transferOptions.ResumeSupport.State = [WinSCP.TransferResumeSupportState]:Off
```

```
# Absolute paths + $True for -delete + Two calls for two source parameters
```

```
# + calling Check on result to emulate the (default) "option batch abort" mode
```

```
$session.PutFiles("d:\*.txt", "/home/martin/web/", $True, $transferOptions).Check()
```

```
$session.PutFiles("d:\*.xml", "/home/martin/web/", $True, $transferOptions).Check()
```

1. The Windows wildcard supports * and ? only. If you want to use a full syntax of [file masks](#), use a [-filemask](#) switch.[Back](#)

2. Applies for individual files transfers only. It does not skip transfer of fully transferred files. For that, combine the switch with [-neweronly.Bac](#)