

List of FTP Commands For Linux and Windows with Examples

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FTP protocol and tools are used to transfer data over network in a simple manner. There are different FTP tools with GUI support which can provide simple usage without knowing any command but in some cases we may need to use FTP commands. In this tutorial we will learn how to use FTP commands with example in operating systems like Windows and Linux.

Escape Shell

```
!
```

Execute Macro

Defined macros can be executed with the `$` by providing the macro name. In this example we will run macro named `test`

```
$test
```

Print Local Help Information

We can print help information about local commands with `?`

```
?
```

Print Local Help Information

Send Account Command To Remote Server

After connecting an FTP server we can change the current user with `account` command. This will as for the USER and PASS information.

```
account
```

Append To A File

We can append into existing file with `append` command like below.

```
append
```

Set ASCII Transfer Type

There are different transfer types. We can use `ascii` to change text transfer mode.

```
ascii
```

Beep When Command Completed

`beep` command will play sound after the given command is completed.

```
beep
```

Set Binary Transfer Type

Other than `ascii` type there is also `binary` transfer type where there will be no translation during transfer.

```
binary
```

Terminate FTP Session and Exit

We can terminate current FTP session and exit from FTP shell with `bye` command like below.

Terminate FTP Session and Exit

```
bye
```

Toggle Case Sensitivity

Case sensitivity can be enabled or disabled with `case` command like below.

```
case
```

Change Remote Working Directory

We can change current working directory of the remote system or server with the `cd` command. In this example we will navigate to the remote directory `Mirror`

```
cd Mirror
```

Change Remote Working Directory

Change Remote Directory To Parent Directory

`cdup` will automatically change current working directory of remote system to the parent or single upper level.

```
cdup
```

Change Remote File Permissions

If we have enough privileges we can change remote system file permissions with `chmod` like in Linux systems.

```
chmod
```

Terminate FTP Session

Another command to terminate FTP sessions but this command will not exit from interactive FTP shell.

[LEARN MORE](#) [How To Check, Show and Print Linux Version with Commands?](#)



```
close
```

Terminate FTP Session

Enable/Disable Carriage Return Stripping

```
cr
```

Enable/Disable Debugging

If we have problem about executing commands we may need more information. We can run commands in verbose mode with `debug` command.

```
debug
```

Enable/Disable Debugging

Delete Remote File

We can delete remote file with `delete` command. In this example we will delete file named `old.txt`

```
delete old.txt
```

List Contents of Remote Directory

We can list contents , files and folders of the remote system with the `dir` command like below.

```
$ dir
```

List Contents of Remote Directory

Terminate FTP Session

We can close current FTP session or connection but stay in the FTP shell with `disconnect` command.

```
disconnect
```

Terminate FTP Session

Terminate FTP Session and Exit

We can terminate current FTP session and exit from FTP shell with `exit` command.

```
exit
```

Terminate FTP Session and Exit

Set File Transfer Format

```
form
```

Receive File

We can download from remote system with `get` command. We will download file named `timestamp.txt` in this example.

```
get timestamp.txt
```

Receive File

Display Local Help Information

help

Display Local Help Information

Set Binary Transfer Type

```
image
```

Allow Use Of Any IP Address Family

```
ipany
```

Restrict Only IPv4

```
ipv4
```

Restrict Only IPv6

```
ipv6
```

Change Local Working Directory

As we work also local system we can change local directory with `lcd` command.

```
lcd Downloads/
```

Change Local Working Directory

List Contents Of Remote Directory

The one of the most popular FTP command is `ls` which will list contents, files, folders of the remote system.

```
ls
```

List Contents Of Remote Directory

Define Macro

```
macdef
```

Delete Multiple Files

We can delete multiple files and folders with a single command. In this example we will delete files named `1.txt` , `2.txt` , `3.txt`

```
mdelete 1.txt 2.txt 3.txt
```

Create Directory On Remote

We can create a directory on the remote system with `mkdir` command. In this example we will create directory named `backup`

```
mkdir backup
```

List Contents Of Multiple Remote Directories

```
mls
```

Set File Transfer Mode

mode

Show Last Modification Time Of Remote File

We can show last modification time of the file on the remote system with `modtime` command. We will list modification time of the `filelist.gz` on the remote system.

[LEARN MORE](#) [Windows Ipconfig Command Tutorial With Examples To List, Change, Renew IP Configuration](#)



```
modtime filelist.gz
```

Show Last Modification Time Of Remote File

Send Multiple Files

We can put multiple files with `mput` command. In this example we will send files `1.txt` , `2.txt` , `3.txt`

```
mput
```

Get File If Remote File Is Newer Than Local File

We can only get file if remote file is newer then local file. In this example we check remote file `1.txt` with local file `1.txt`

```
newer 1.txt 1.txt
```

List Contents Of Remote Directory

```
nlist
```

Set Template For default File Name Mapping

```
nmap
```

Set Translation Table For Default File Name Mapping

```
ntrans
```

Connect Remote FTP Server and Port

We can connect to the FTP server with `open` command from FTP shell. In this example we will connect to the `ftp.itu.edu.tr`.

```
open ftp.itu.edu.tr
```

Connect Remote FTP Server and Port

Enter Passive Transfer Mode

```
passive
```

Force Interactive Prompting on Multiple Commands

```
prompt
```

Issue Command On Alternate Connection

```
proxy
```

Send Single File

We can use `put` command in order to send single file to the FTP server. In this example we will send file named `data.txt` to the remote system.

```
put data.txt
```

Print Working Directory on Remote System

We can print and list current working directory of the remote system or server. We will use `pwd` without any option.

pwd

Print ? In Place Of Control Characters

```
qc
```

Terminate FTP Session and Exit

Another good command in order to terminate FTP session and exit from FTP shell.

```
quit
```

Terminate FTP Session and Exit

Send Arbitrary FTP Command

```
quote
```

Receive File

Another good command in order to download file from remote FTP server we will use `recv` command with the file name we want to download. In this example we will download file named `timestamp.txt`.

```
recv timestamp.txt
```

Receive File

Get File Restarting At End Of Local File

```
reget
```

Rename File

We can rename a remote file. We will use `rename` with the current name of file and new name of the file. We will rename file named `data.txt` into `newdata.txt`

```
rename data.txt newdata.txt
```

Clear Queued Command Replies

```
reset
```

Restart File Transfer At Byte Count

```
restart
```

Get Help From Remote Server

```
rhel
```

Remove Directory On Remote System

We can remove a directory on the remote FTP server or system with `rmdir` by providing the directory name. In this example we will remove directory named `old`

```
rmdir old
```

Show Status Of Remote System

After connecting remote FTP server or system we can print current status about the remote system and connection with the `rstatus` command.

[LEARN MORE](#) [How To Disable or Enable Selinux Temporarily or Permanently?](#)



```
rstatus
```


Show Status Of Remote System

We can see that there are following information

- Connected IP address
- Mode or Type which is ASCII in this case
- Sessions bandwidth limit which is unlimited in this example
- Sessions timeout which is 300 seconds in this example
- Control connection type which is plain text in this example
- Data connection type which is plain text in this example
- Connected client count to the remote FTP server which is 2 in this example
- Server software name and version with its banner which is vsFTPd 2.2.2 in this example

Toggle Store Unique for Local File

```
runique
```

Send One file

We can send a single file to the remote server with the `send` command by specifying file name. In this example we will send file named `data.txt`

```
send data.txt
```

Enable/Disable Use Of PORT For Each Data Connection

sendport

Show Size Of Remote File

We can print the size of the given file on the remote server with `size` command and providing the file name. In this example we will print the size of the `filelist.gz`

```
size filelist.gz
```

Show Size Of Remote File

Show Current Status

We can print current status of the connection and technical details with `status` command.

```
status
```

Show Current Status

Set File Transfer Structure

```
struct
```

Toggle Store Unique On Remote System

```
sunique
```

Show Remote System Type

While working with remote FTP server operating system is important. We can get information about remote system with `system` command like below.

```
system
```

Show Remote System Type

Set Tenex File Transfer Type

```
tenex
```

Enable/Disable Printing Byte Counter During Transfers

```
tick
```

Enable/Disable Package Tracing

```
trace
```

Set File Transfer Type

```
type
```

Get Umask On Remote System

```
umask
```

Send New User Information

We can rellogin with different user name by using `user` command. We will provide user name and password interactively.

```
user
```

Send New User Information

Enable/Disable Verbose Mode

Like debug mode with can enable and disable verbose mode with `verbose` command like below.

```
verbose
```

Enable/Disable Verbose Mode

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LEAVE A REPLY

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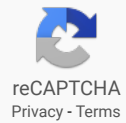
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