

# File transfer protocol

## What Is File Transfer Protocol (FTP)?

File transfer protocol (FTP) is a set of rules that computers follow for the transferring of files from one system to another over the internet. It may be used by a business to transfer files from one computer system to another, or websites may use FTP to upload or download files from a website's server.

- File transfer protocol (FTP) is a way to download, upload, and transfer files from one location to another on the internet and between computer systems.
- File transfer protocol (FTP) enables computers on the internet to transfer files back and forth, and is an essential tool for those building and maintaining websites today.
- Many file transfer protocol (FTP) clients are available for free to download, although most websites (and web browsers) that offer downloads already have the FTP built-in, so downloading a separate piece of software isn't always required.

File transfer protocol is one of many different protocols that dictate how computers behave on the internet. Other such protocols include the Hypertext Transfer Protocol (HTTP), the Internet Message Access Protocol (IMAP), and the Network Time Protocol (NTP). FTP enables computers on the internet to transfer files back and forth, and is an essential tool for those building and maintaining websites today.

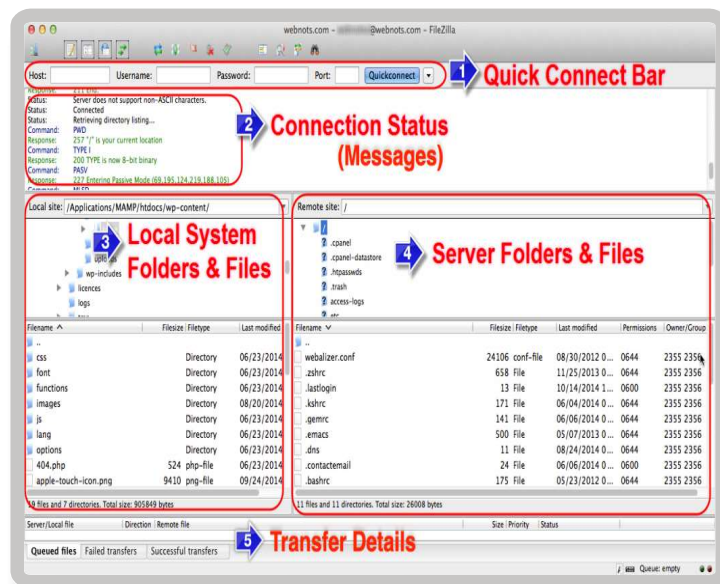
In order to use FTP, a user must first download an FTP client (or access an FTP client through a web browser). A client is the software that will allow you to transfer files.

Most web browsers come with FTP clients—possibly via a downloadable extension—that enable users to transfer files from their computer to a server and vice versa. Some users may want to use a third-party FTP client because many of them offer extra features to improve your experience. Examples of FTP clients that are free to download include FileZilla Client, FTP Voyager, WinSCP, CoffeeCup Free FTP, and Core FTP.

Many people have used FTP before without even noticing it. If you have ever downloaded a file from a web page, chances are that you used FTP in the process. The first step for accessing an FTP server to download a file is to log in, which may occur automatically or by manually inputting a username and password. FTP will also require you to access an FTP server through a specific port number.

Once you have accessed the FTP server through your FTP client, you can now transfer files. Not all public FTP servers require you to sign in because some servers enable you to access them anonymously.

Depending on the FTP client you use, there will be different features available that allow you to modify the manner in which you upload and download files. For instance, if you use the free FTP client FileZilla, the program will enable you to set bandwidth limits for files, enabling you to control the speed at which you download or upload files. This can be helpful if you are managing multiple file transfers at once. Other features you may want to look for in an FTP client include public key authentication, the ability to set file compression levels, or tools that enable you to search a server using file masks.



Once access has been granted, the user's files on their local system as well as the accessed server will be visible. The user can download files from the server to the local system, or upload files from the local system to the server. They can also, with the proper authorization, make changes to files on the server.

Most pages on the Web today were built using either HTML 4.01 or XHTML 1.0. However, in recent years, the W3C (in collaboration with another organization, the WHATWG), has been working on a brand new version of HTML, HTML5. Currently (2011), HTML5 is still a draft specification, and is not yet an official standard. However, it is already widely supported by browsers and other web-enabled devices, and is the way of the future. Therefore, HTML5 is the primary language taught in this course.

## Examples of types of content that can be included on web pages

The following table shows a list of many of the types of content that can be added to web pages using different versions of HTML. In the early days of the Web, HTML (version 1.2) was very simple, but over time new versions were released that added more and more features. Still, if web designers wanted to add content or features that HTML didn't support, they would have to do so with non-standard proprietary technologies such as Adobe Flash. These technologies would require users to install browser plug-ins, and in some cases meant that certain users would be unable to access the content (for example, iPhones and iPads don't support Flash).

HTML5 has added support for many new features that will make it possible to do more with HTML, without relying on non-standard proprietary technologies.

## Difference between the Text Editor and IDE

IDE comes with more programming features than the text editor. Some of the features include auto-completion of keywords and inbuilt function names, highlighting of syntax...

When you start learning programming languages, your intention is not to complete the project. It is more about how much you understand programming methodology.

## Advantages and Disadvantages of Text Editor over IDEs

### Disadvantages of using IDE:

1. Auto-completion of the keywords like the variable name, function name... obstacles your learning. When the line of code gets auto-completed, you did not think about it.
2. You will be distracted seeing cumbersome menu options on IDE, icons, and dozens of toolbars which you don't require now.
3. You will not understand the compilation and procedure involved to execute the program when you do it by simply clicking on "Execute" button.

### Advantages of using Text Editor for Coding Practice:

1. There will no more distractions. Single toolbar and some text editing option are the things you really interested now.
2. After saving your programming in the text editor, compile and run the program from command prompt. It will give you a true sense of programming and execution flow.
3. Not having auto-completion feature with the text editor, you will be grounded and taught yourself what to write on next line of the code. This thought process is the must thing one should hone for learning and mastering any programming language.
4. We are not using auto-completion feature, and we humans do mistakes. When you compile your program through command prompt, you may get the code syntax or semantic error. Analysing and fixing these bugs improve your debugging skill.
5. You can ask any experienced programmer or developer, they spend most of the time debugging defects and fixing, rather than writing first-hand code. Developing debugging skill makes your career go rosy.

If you are learning programming language use, text editor. You need to do programming stuff manually like compiling, execution or writing code without auto-completion. Doing it manually, you will get the true sense of programming.

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## List of most popular websites

[click here to see Websites Rating](#)

Changes in ranking are since November 18, 2020.

RANK	WEBSITE	DOMAIN	TYPE	PRINCIPAL COUNTRY/TERRITORY
1	Google search	Google.com	Internet services and products	United States
2	YouTube	Youtube.com	Video sharing	United States
3	Tmall	Tmall.com	Internet-related services	China
4	Baidu	Baidu.com	Internet-related services and products	China
5	Tencent QQ	qq.com	Portal	China
6	Sohu	sohu.com	Portal	China
7	Facebook	facebook.com	Social networking	us United States

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