FTP

* FTP stands for File transfer protocol.
* FTP is a standard internet protocol provided by TCP/IP used for transmitting the files from one host to another.
* It is mainly used for transferring the web page files from their creator to the computer that acts as a server for other computers on the internet.
* It is also used for downloading the files to computer from other servers.

Objectives of FTP

* It provides the sharing of files.
* It is used to encourage the use of remote computers.
* It transfers the data more reliably and efficiently.

Why FTP?

Although transferring files from one system to another is very simple and straightforward, but sometimes it can cause problems. For example, two systems may have different file conventions. Two systems may have different ways to represent text and data. Two systems may have different directory structures. FTP protocol overcomes these problems by establishing two connections between hosts. One connection is used for data transfer, and another connection is used for the control connection.

**What is SCP (Secure Copy Protocol)?**

The Secure Copy Protocol or “SCP” helps to transfer computer files securely from a local to a remote host. It is somewhat similar to the File Transfer Protocol “FTP”, but it adds security and authentication.

The SCP runs on Port **22**, and some people say that it’s a combination of the BSD RCP and the SSH protocol.

The RCP is used to transfer the files, and the SSH protocol provides authentication and encryption, so SCP can be considered a mixture of these two protocols.

The SCP can also benefit from using SSH because it allows the inclusion of permissions and timestamps for the file that needs to be uploaded.