

File Transfer Tools

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- On Linux systems file transfer tools are plentiful and familiar
- **FTP** clients abound, from the familiar command line ftp and enhanced (or dumbed down depending on your point of view) versions such as lftp, ncftp and qftp
 - An excellent graphical client is provided by **FileZilla**, and of course any competent browser can handle FTP downloads, although not uploads
 - The dominant ftp server in use on Linux systems is **vsftpd**, which is both simple and highly configurable
- Somewhat more general transfer opportunities are provided by both **curl** and **wget** and their associates, which can handle protocols such as ftp, http, etc.

File Transfer Tools (Cont.)

- Secure Shell clients and servers are always available (**ssh** and **sshd**) using the **OpenSSH** implementation
 - These include both **scp** and **sftp** utilities
 - Note that many organizations do not permit plain FTP because passwords may be transmitted in plain text
- The **rsync** server and client utilities permit very rapid file transfer and synchronization between remote computers, and use secure encryption methods as well
- Old fashioned insecure programs such as **rsh**, **rcp**, etc. may be available, but are strongly discouraged

