

Assignment 2

Topic: FTP Application

Due on or before: (To be announced)

Maximum Marks: 5

Implement an ftp server with multiple clients using sockets. A client should be able to access the server, choose a file and transfer it to/from the server. A client should be able to run at least the following commands:

- ls
- cd
- chmod
- ll s (local ls on the client)
- lcd (local cd on the client)
- lchmod (local chmod on the client)
- put
- get
- close

Take-Home Message

Sockets are perhaps the best-known and most flexible mechanism for inter-process communication. The assignment aims to make one comfortable with TCP/IP sockets across different computers. ftp is a complex protocol to transfer files across a network. The assignment seeks to get a bare-bones implementation of the main part of the file transfer, without bothering about connections, authentication, encryption and access issues.

Demo Schedule:

(Schedule: to be announced over email)

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