

Course: Computer and Communication Networks

Topic: File Transfer Protocol (FTP)

Presentation by

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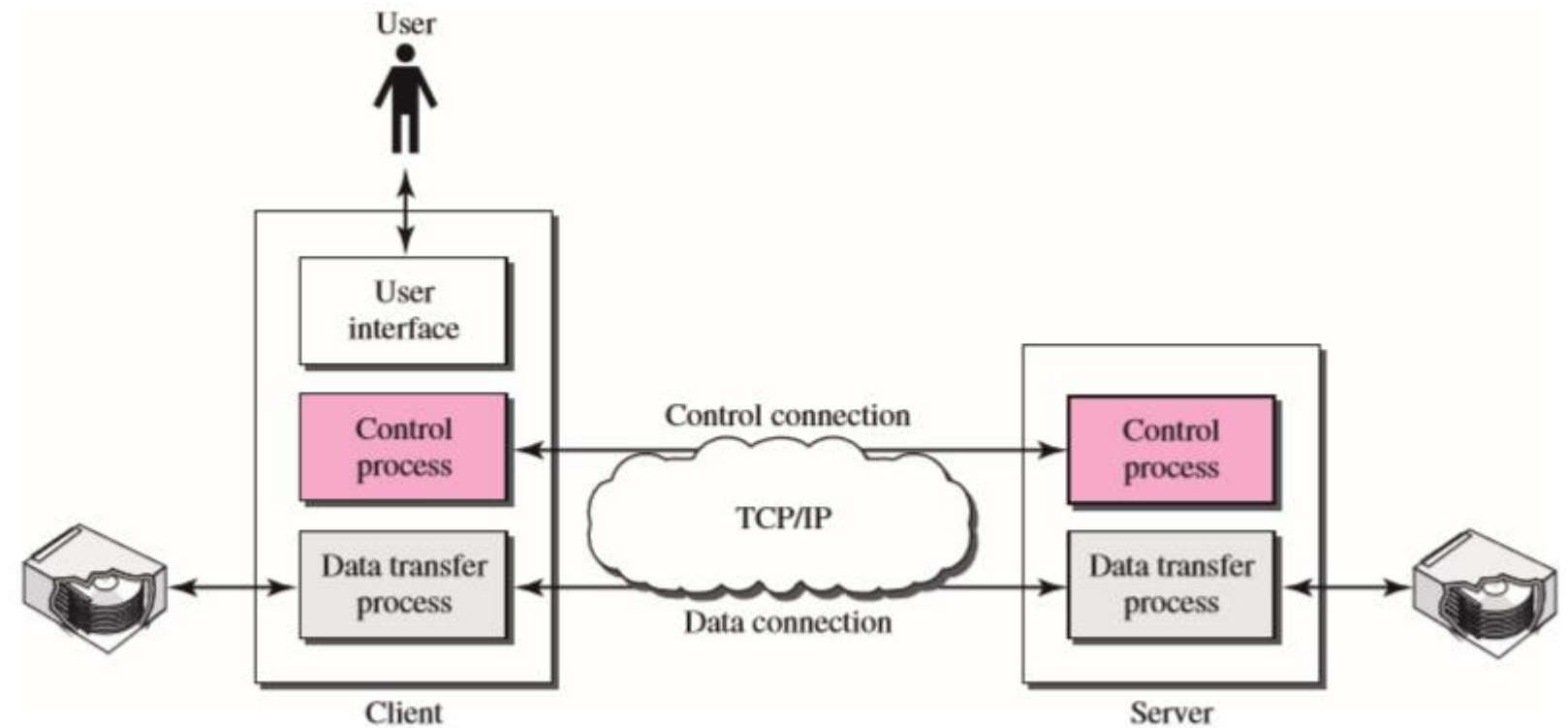
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File Transfer Protocol (FTP)

FTP uses the services of TCP. It needs two TCP connections. The well-known port 21 is used for the control connection and the well-known port 20 for the data connection.

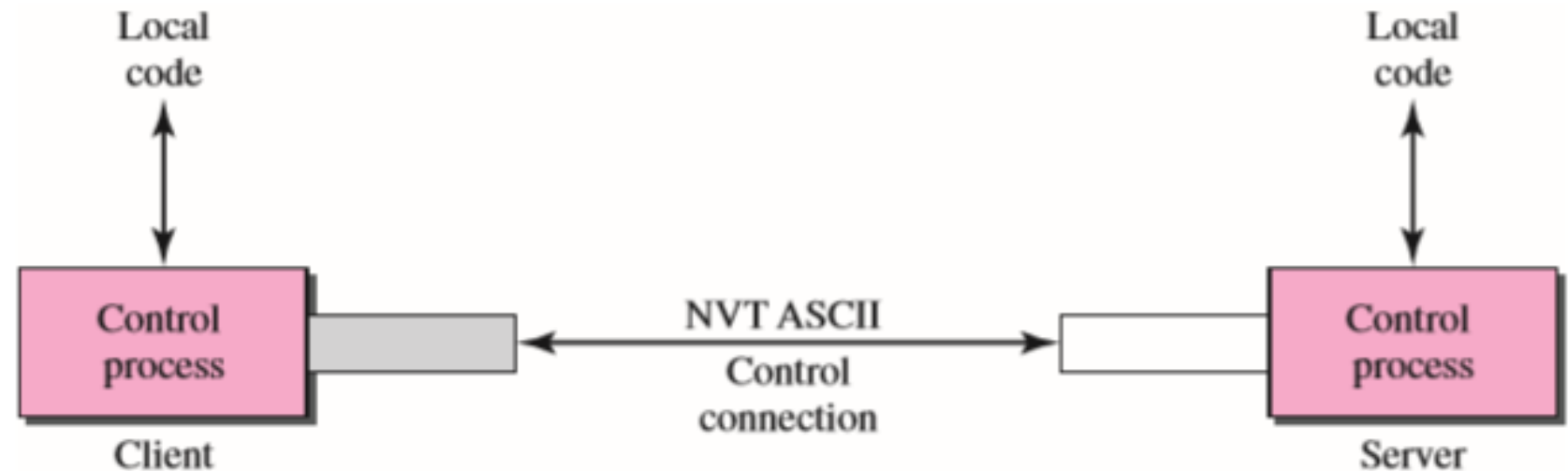
FTP differs from other client/server applications in that it establishes two connections between the hosts.

One connection is used for data transfer, the other for control information



FTP: Communication over Control Connection

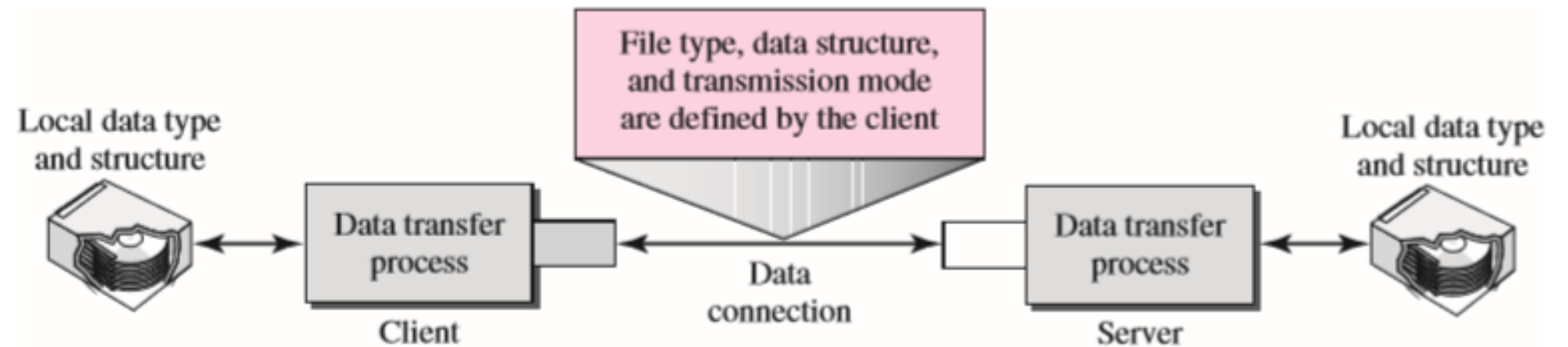
FTP uses the same approach as SMTP to communicate across the control connection.



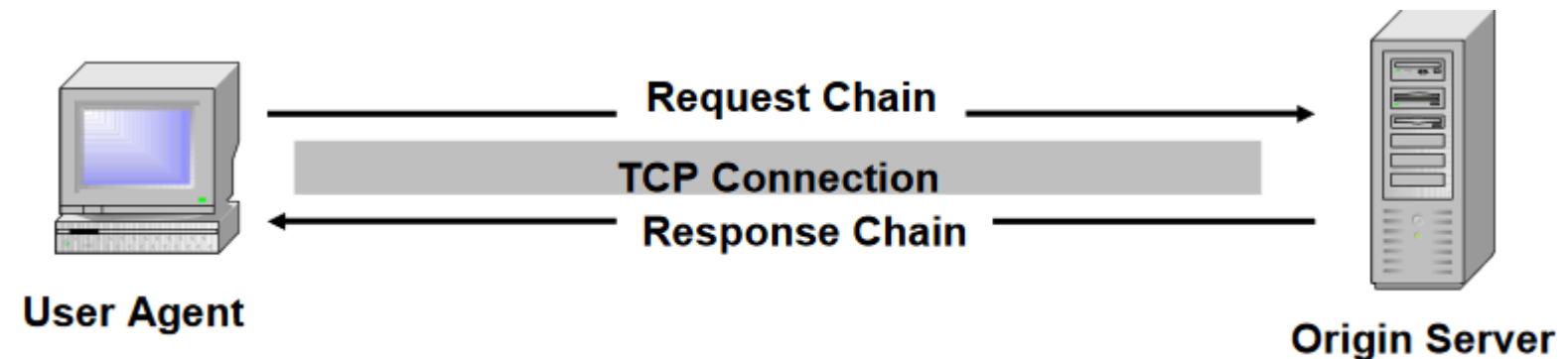
Each command or response is only one short line, so we need not worry about file format or file structure.

FTP: Using the data connection

- File Type
- Data Structure
- Transmission Mode



Hypertext Transfer Protocol (HTTP)

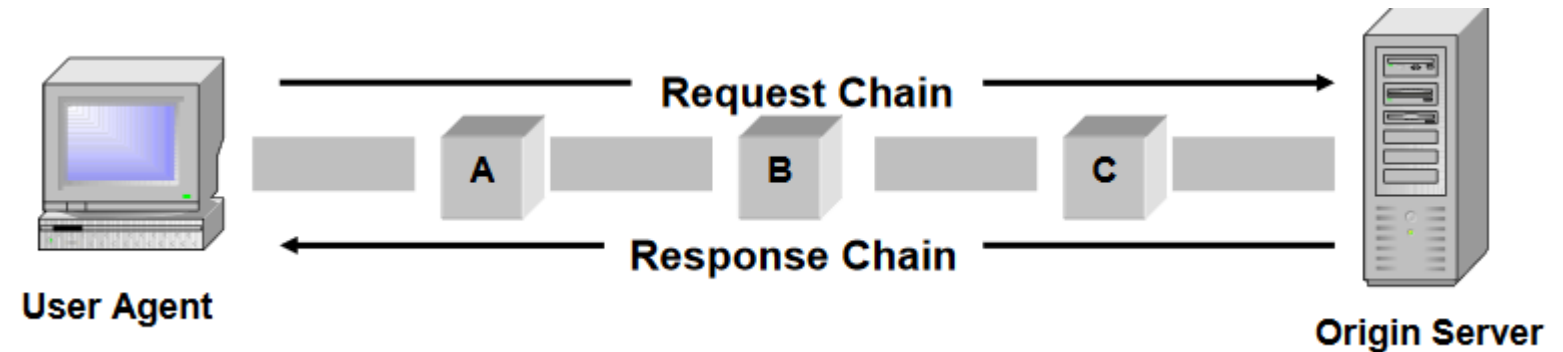


The Hypertext Transfer Protocol (HTTP) is a protocol used mainly to access data on the World Wide Web.

HTTP is like SMTP because the data transferred between the client and the server look like SMTP messages.

HTTP uses the services of TCP on well-known port 80.

Hypertext Transfer Protocol (HTTP)



here are one or more intermediate systems with TCP connections between logically adjacent systems.

Each intermediate system acts as a relay.