



SNS COLLEGE OF TECHNOLOGY

Coimbatore-35

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

19ECE308- WIRELESS TECHNOLOGIES FOR IOT

UNITII ARCHITECTURE AND DESIGN PRINCIPLES FOR IOT

TOPIC 7 –Application layer protocols:FTP



FTP Protocol Features

FILE TRANSFER

- File Transfer Protocol (FTP) is the standard mechanism provided by TCP/IP for copying a file from one host to another.
- Although transferring files from one system to another seems simple and straightforward.
- Before transferring, some problems must be dealt with first, such as:
 - two systems may use different file name conventions.
 - Two systems may have different ways to represent text and data.
 - Two systems may have different directory structures.
- All of these problems have been solved by FTP in a very simple and elegant approach.



FTP Protocol Features

File Type

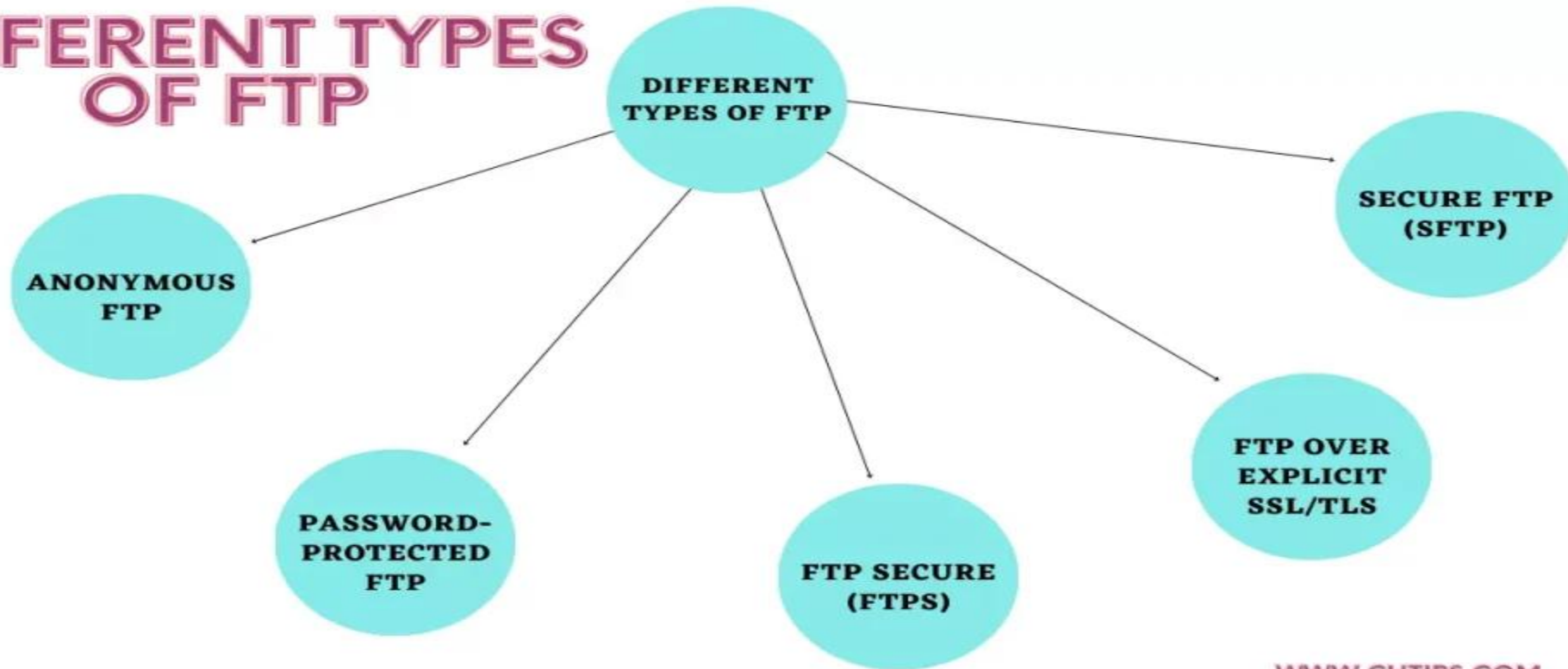
- FTP can transfer one of the following file types across the data connection:
 - ASCII file.
 - EBCDIC file
 - image file.
- **The ASCII file** is the default format for transferring text files.
 - Each character is encoded using 7-bit ASCII.
 - The sender transforms the file from its own representation into ASCII characters, and the receiver transforms the ASCII characters to its own representation.
- **The EBCDIC file** used If one or both ends of the connection use EBCDIC encoding (the file format used by IBM).
- **The image file** is the default format for transferring binary files.
 - The file is sent as continuous streams of bits without any interpretation or encoding.
 - This is mostly used to transfer binary files such as compiled programs.



Types of FTP



DIFFERENT TYPES OF FTP

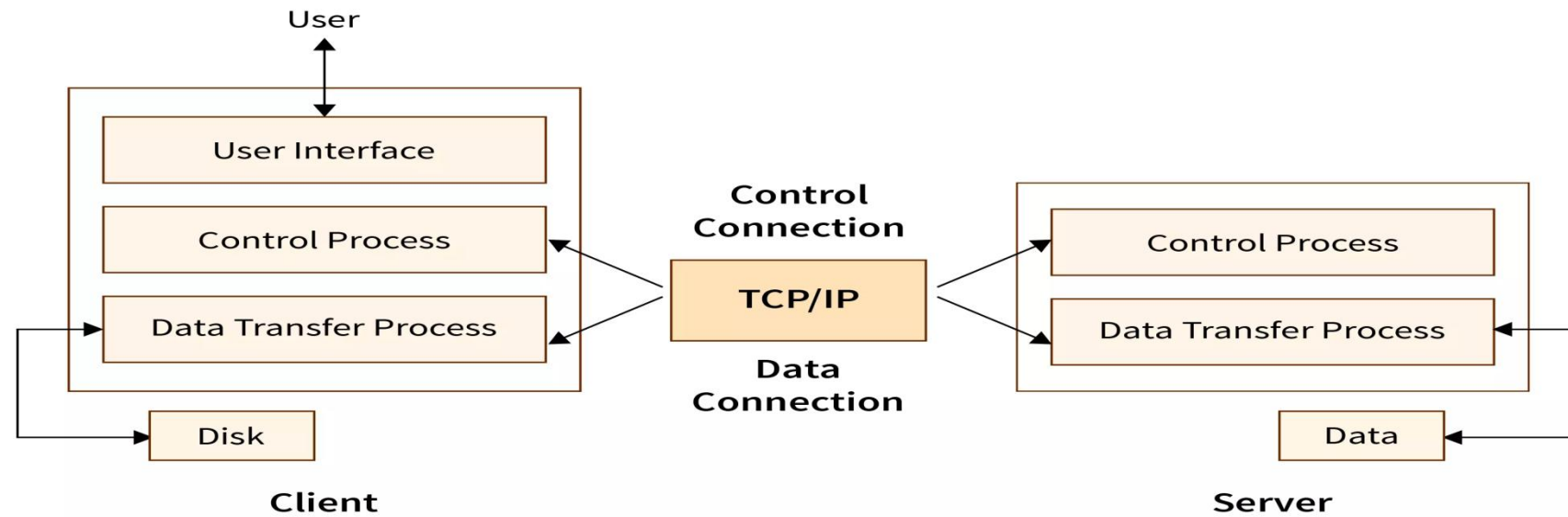


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File Transfer Control

File Transfer Control





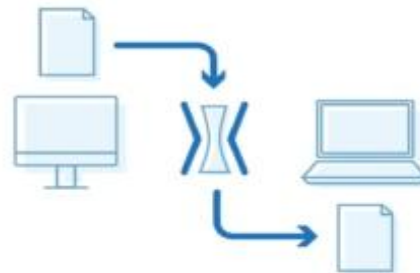
File Transfer

Types of File Transfer

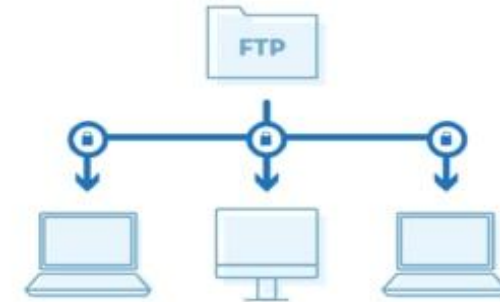
1 Cloud Storage and Transfer



2 File Compression

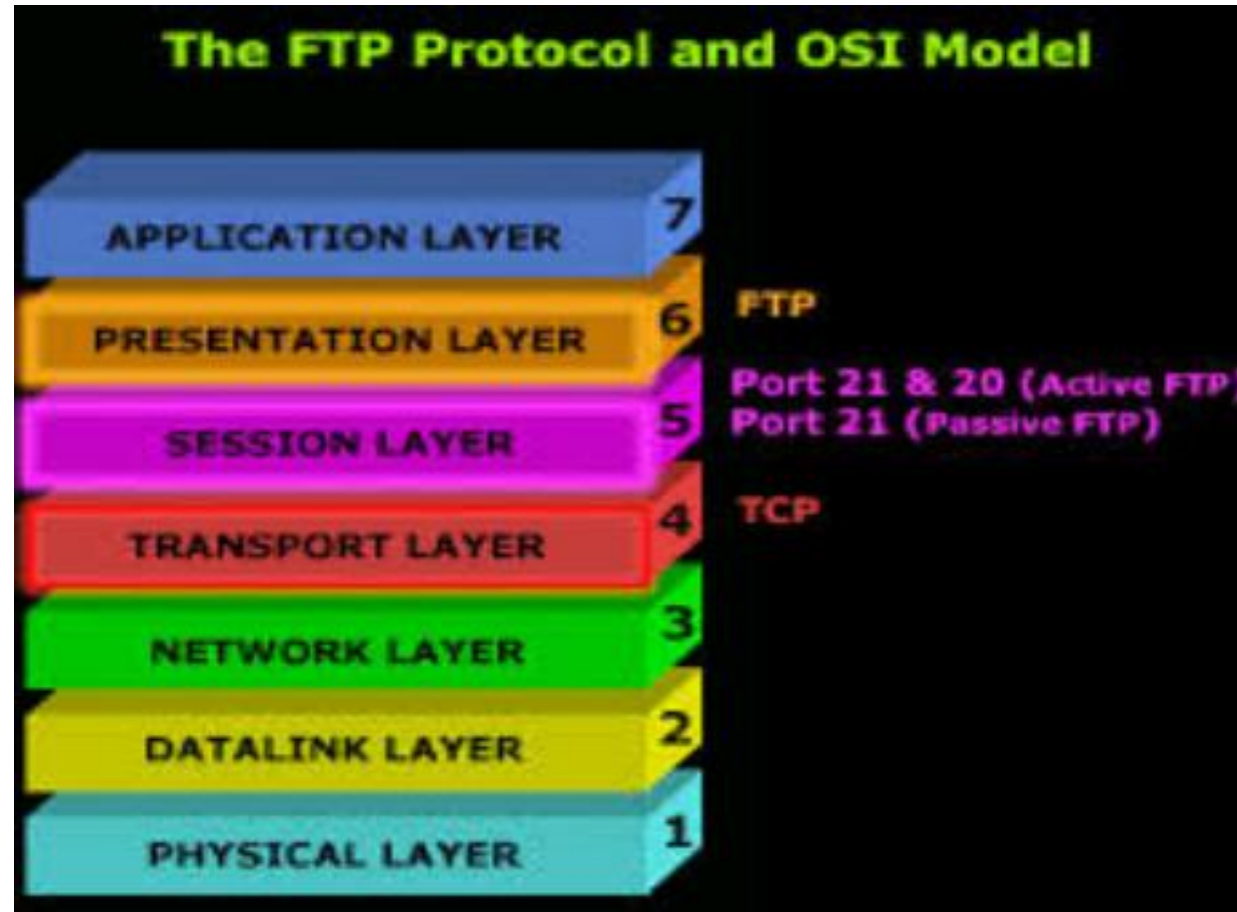


3 File Transfer Protocol





FTP In OSI Model

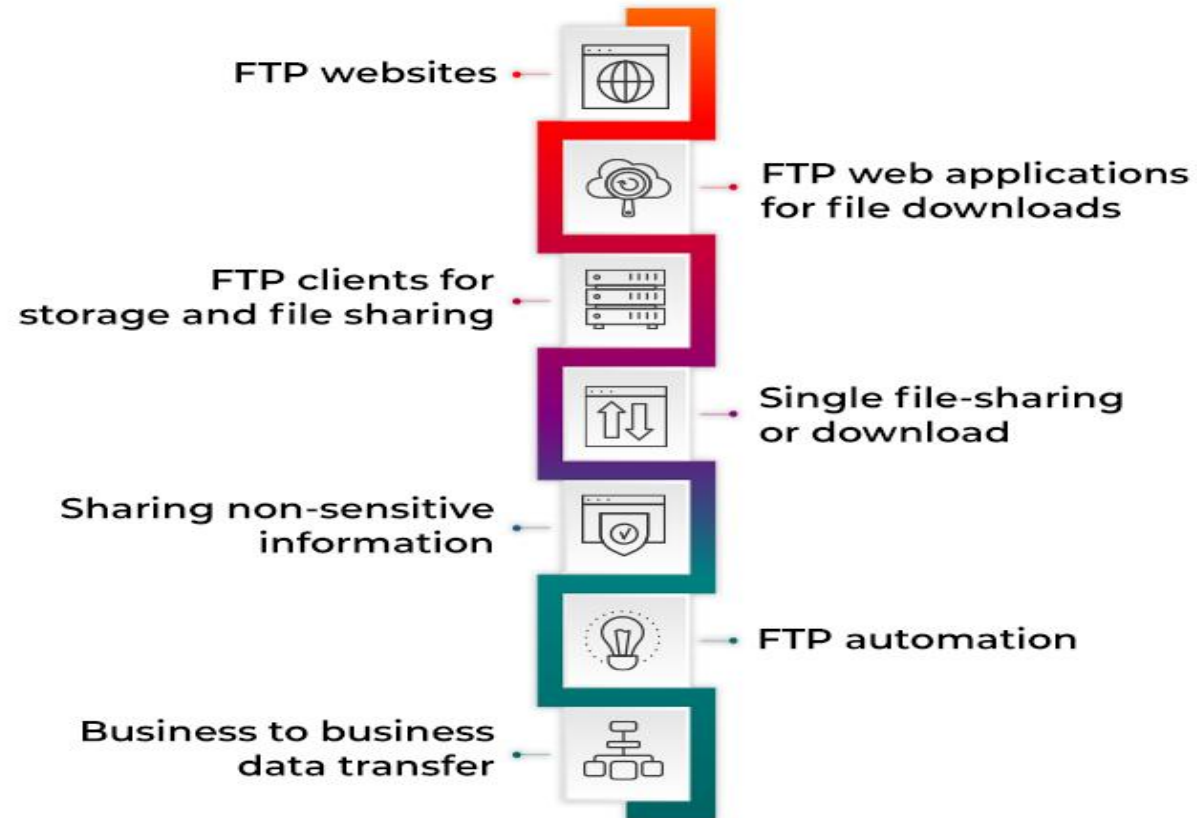




Uses of FTP



USES OF FTP

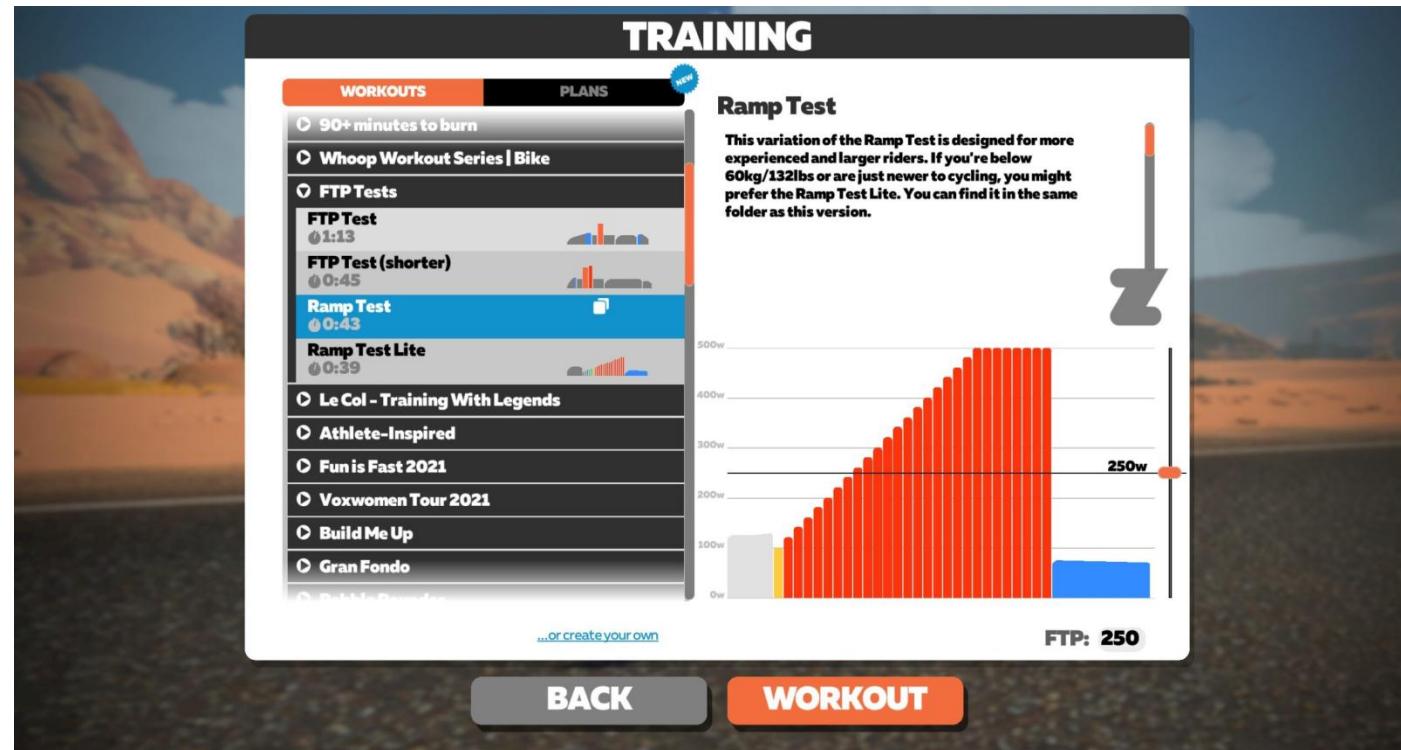




Assesment

Why is FTP so important?

FTP enables computers on the Internet to transfer files back and forth. As such, it is an essential tool for those building and maintaining websites today.





Thank You