



# **SNS COLLEGE OF TECHNOLOGY**

**Coimbatore-35**

**An Autonomous Institution**

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



## **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.

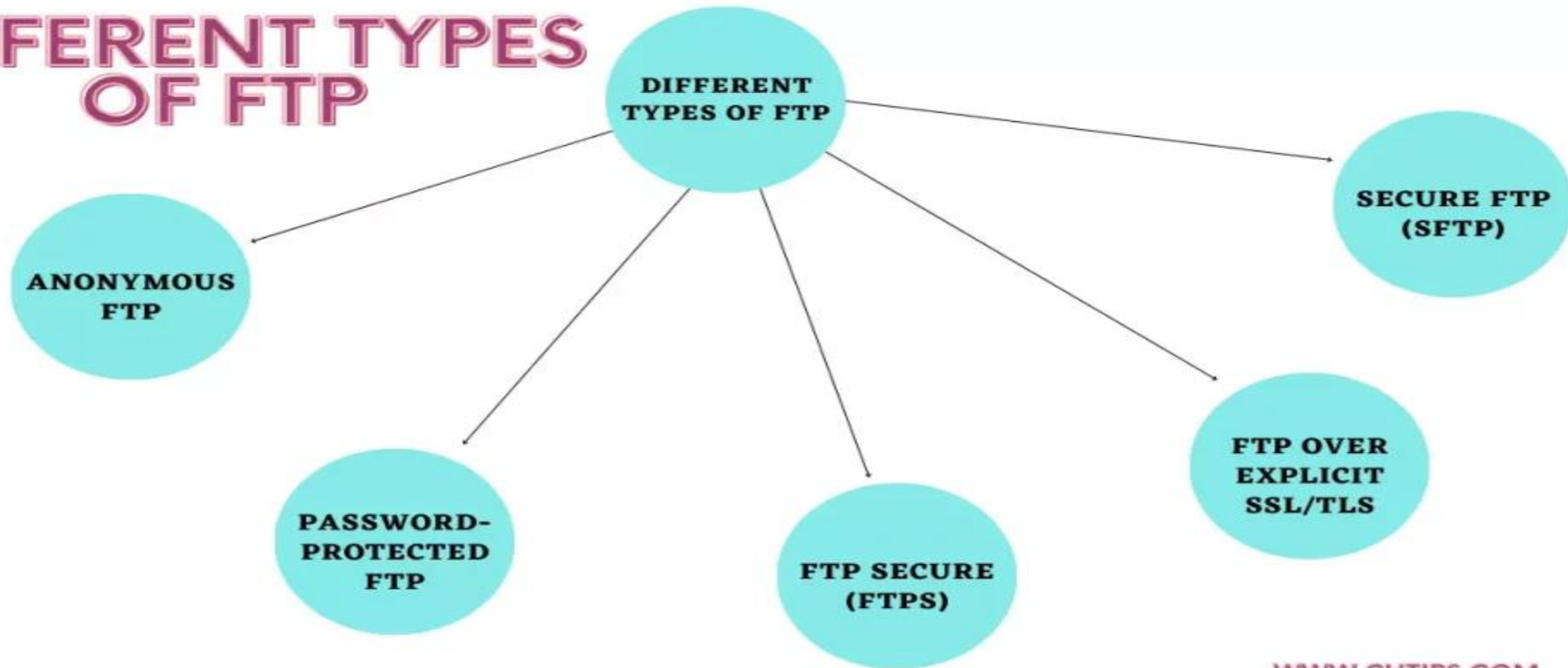




# Types of FTP



## DIFFERENT TYPES OF FTP

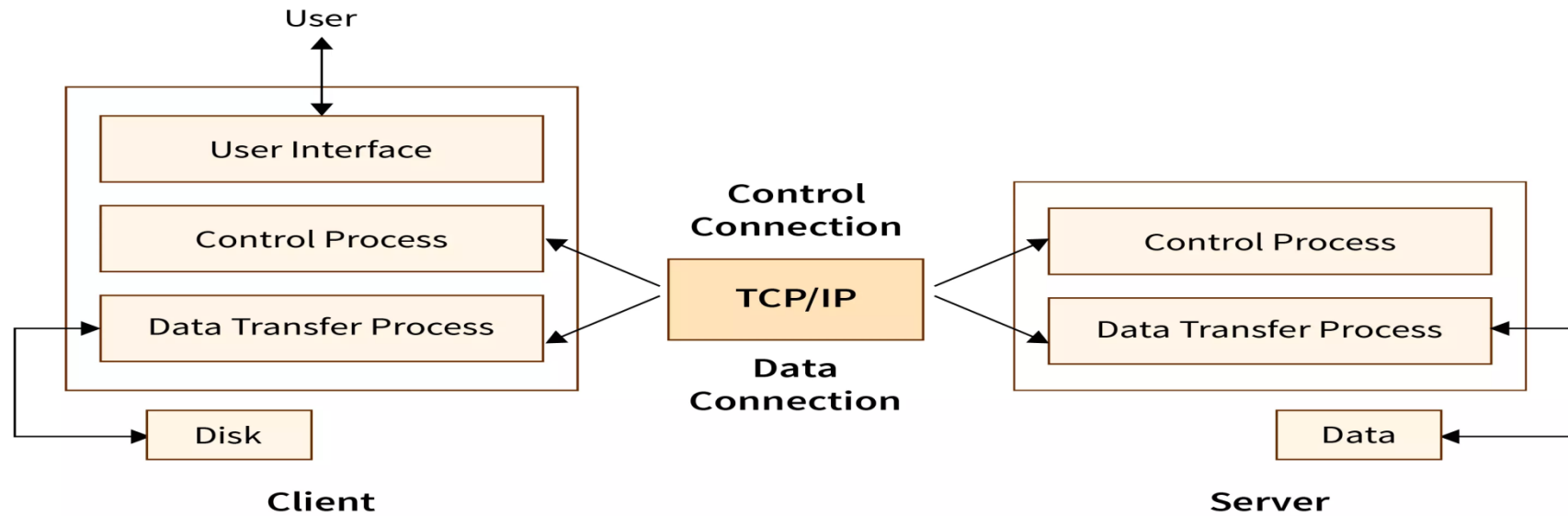


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# File Transfer Control

## File Transfer Control





# File Transfer

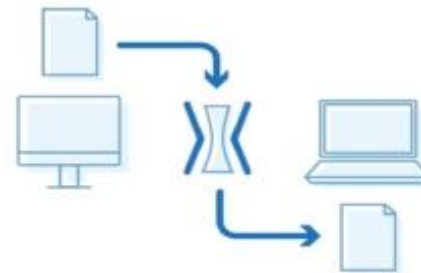


## Types of File Transfer

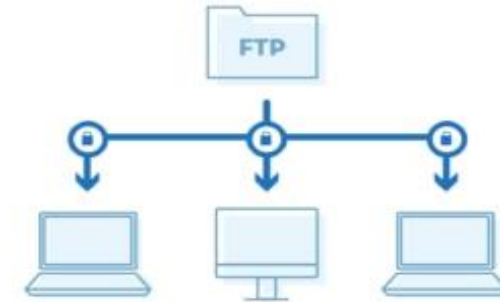
1 Cloud Storage and Transfer



2 File Compression

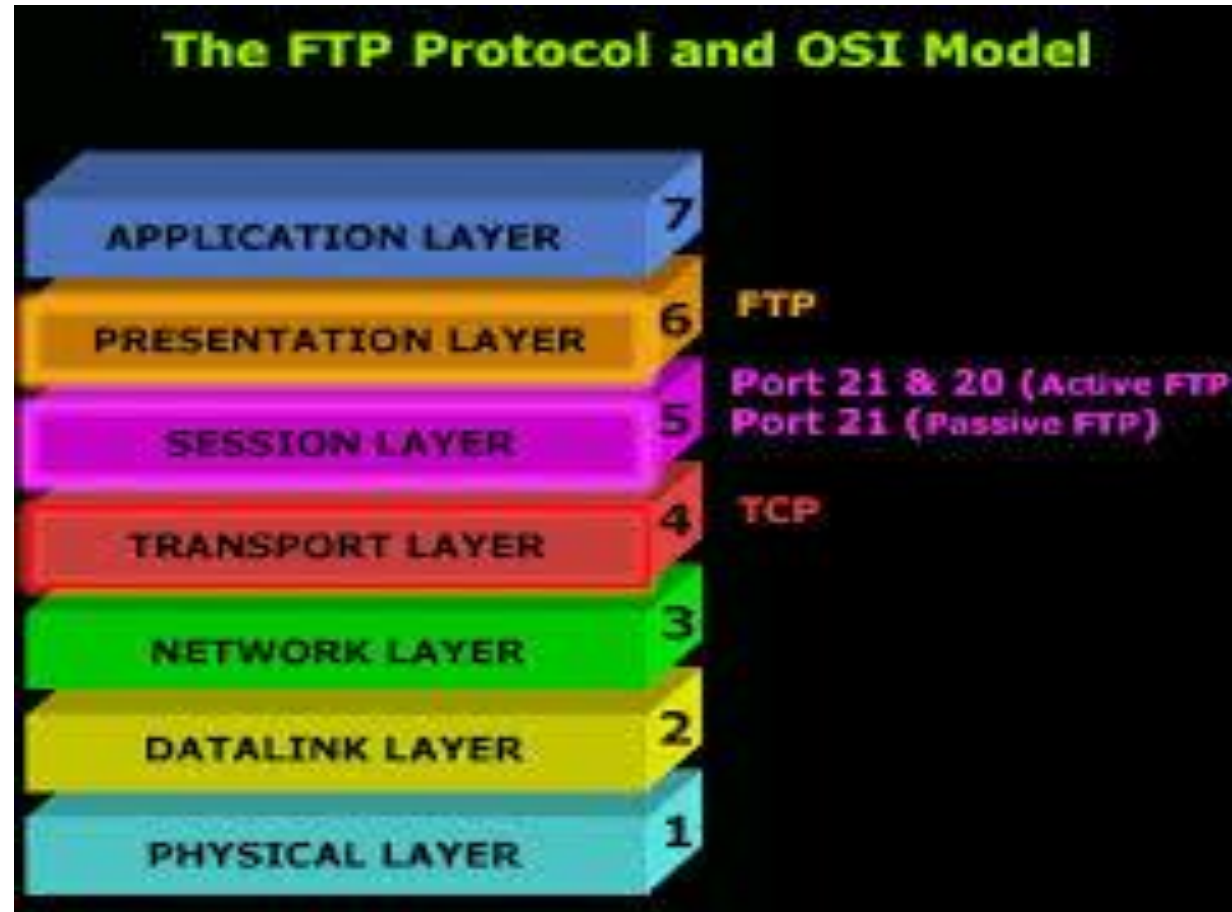


3 File Transfer Protocol





# FTP In OSI Model

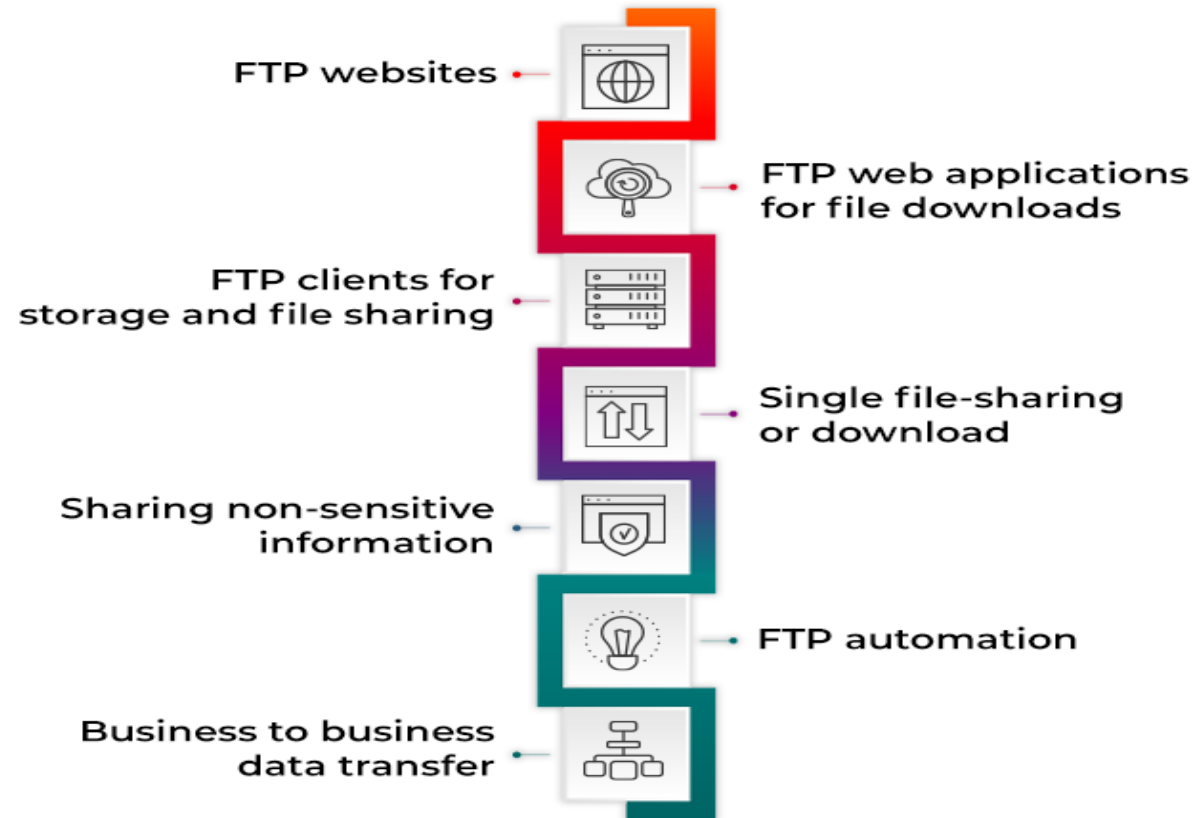




# Uses of FTP



## USES OF FTP



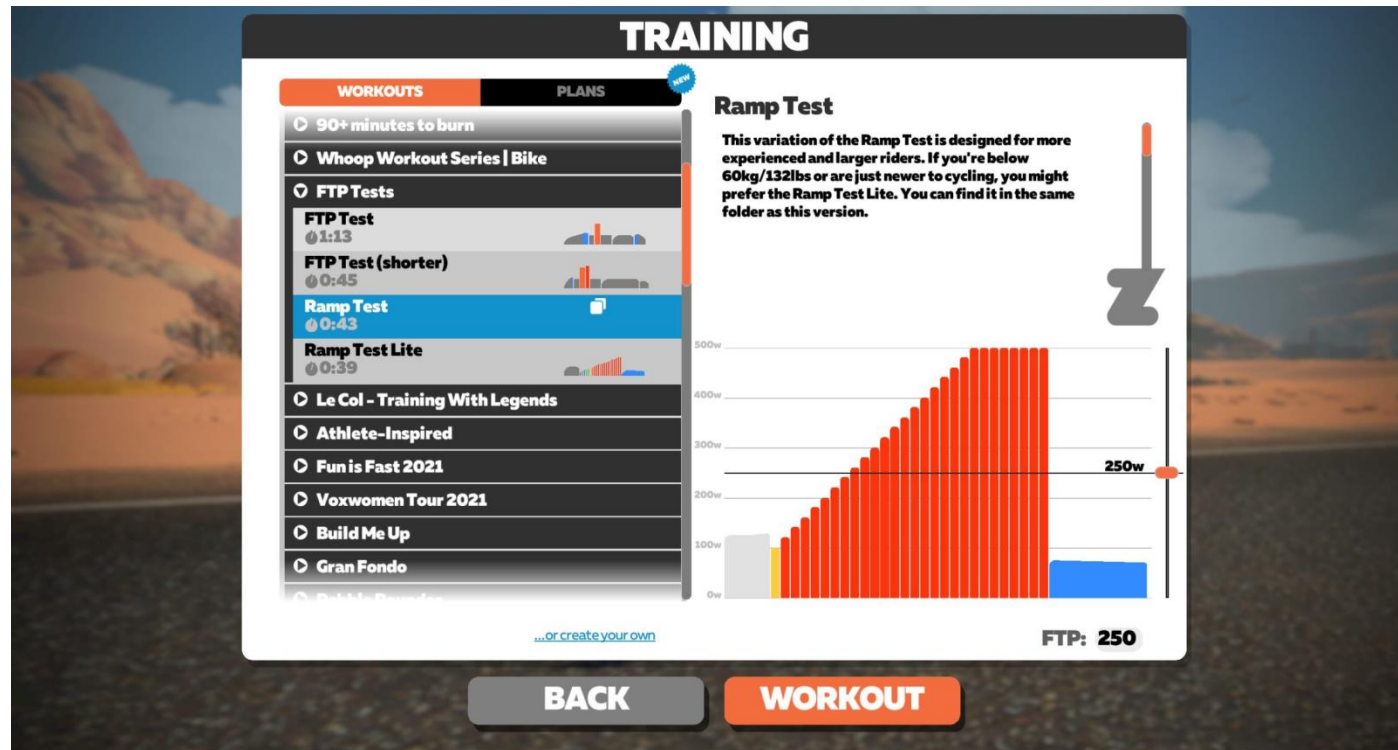




# Assesment

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**