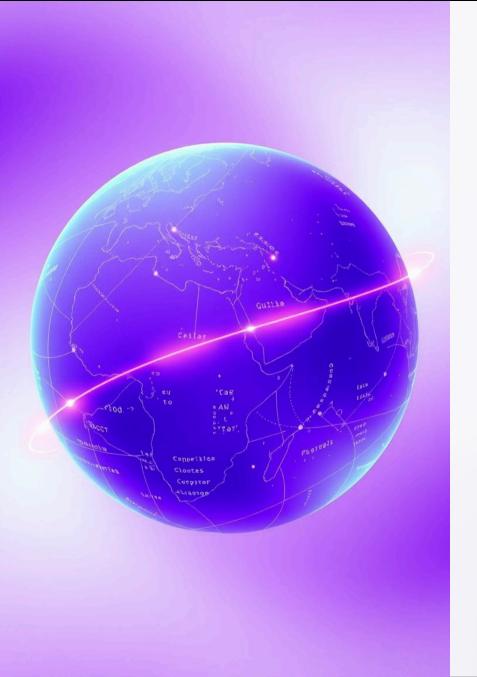


HTTP and FTP Protocols

A comparative study on web communication and file transfer protocols.



Introduction

Importance

HTTP and FTP are critical for internet communication.

Roles

HTTP enables web browsing, FTP is for file transfer.

Objective

Understand functionalities, differences, applications.



Introduction to HTTP







Definition

Hypertext Transfer Protocol (HTTP)

Purpose

Facilitates data exchange on the web.

How it Works

Browser sends request, server responds.



Key Features

Port 80, stateless, evolving protocols.



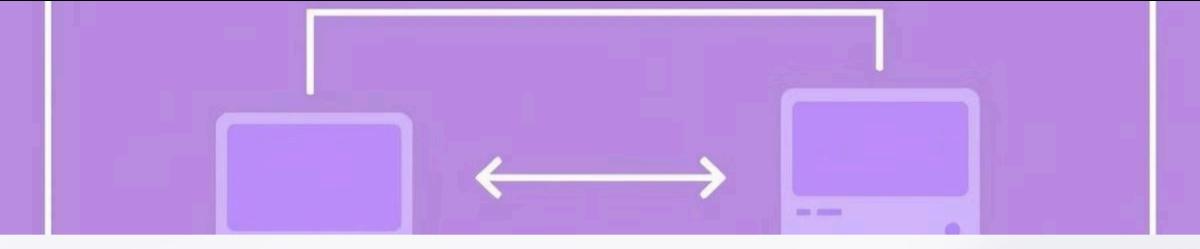
How HTTP Works

Request

- Method (GET, POST, etc.)
- Headers
- Body

Response

• Status codes (200, 404, 500)



Introduction to FTP

Definition

File Transfer Protocol (FTP)

Ports

Port 21 (commands), 20 (data)

Purpose

Designed for file transfers.

Modes

Active and passive.



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How FTP Works

Client-Server

Login credentials.

2 File management
Upload, download.

Data transferASCII, binary.

3

4

SecuritySFTP, FTPS.

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HTTP vs FTP

Feature	HTTP	FTP
Purpose	Web communication	File transfer
Port	80	21, 20
Connection	Stateless	Stateful
Data	HTML, JSON	Binary, ASCII
Security	HTTPS	SFTP, FTPS



Conclusion & Applications

HTTP

Web browsing, APIs.

FTP

Website mgmt, backups.

Security

HTTPS, SFTP, FTPS.

Choosing the right protocol depends on the task. Thank You!

