

HTTP - Hyper Text Transfer Protocol

- Tim Berners - Lee .



Introduction

- ☐ HTTP is just acts like a bridge between USER and SERVERS.
 - ☐ Which is the fundamental protocol of the internet , it enables the data transfer between clients and a server.
 - ☐ Initially it doesn't had any version later when it becomes versatile because of Browsers and Servers.
-

Difference between HTTP 1.1 & HTTP2

HTTP 1.1	HTTP 2
It works on the textual format.	It works on the binary protocol.
There is head of line blocking that blocks all the requests behind it until it doesn't get its all resources.	It allows multiplexing so one TCP connection is required for multiple requests.
It uses requests resource Inlining for use getting multiple pages	It uses PUSH frame by server that collects all multiple pages
It compresses data by itself.	It uses HPACK for data compression.

HTTP 3

- ☐ **HTTP/3 (based on QUIC)** is designed to further improve web performance.

HTTP continues to evolve, shaping the way we access and interact with information on the Internet.
