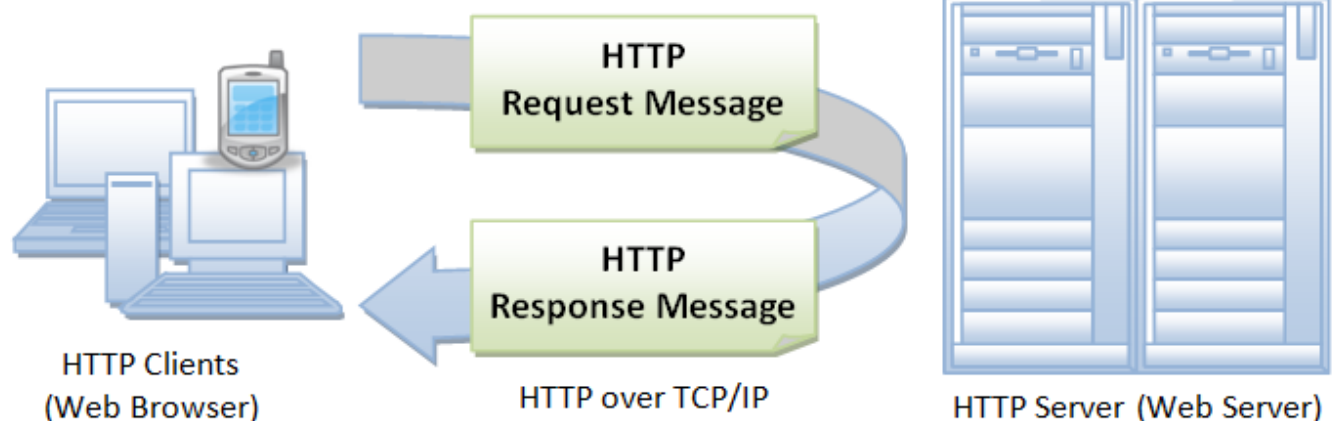


CREATE AN HTTP REQUESTS TO COMMUNICATE WITH WITH MOBILE APP

Date	02 November 2022
Team ID	PNT2022TMID48076
Project Name	Project – IOT Based Real – time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

- 1.Ensuring that the browser communicates with the required server directly.
- 2.Ensuring that only the communicating systems have access to the messages they exchange.



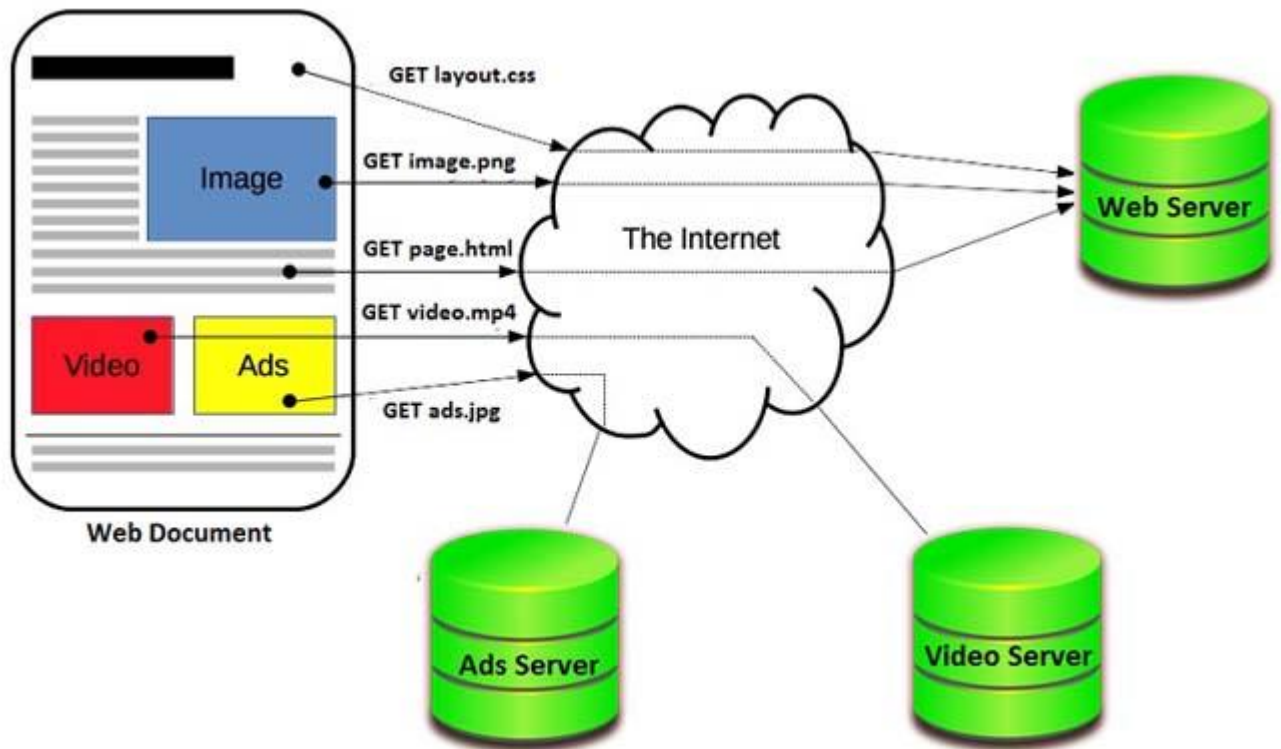
HTTP transfers data in a hypertext format between the browser and the web server, whereas HTTPS transfers data in an encrypted format. As a result, HTTPS protects websites from having their information broadcast in a way that anyone eavesdropping on the network can easily see. During the transit between the browser and the web server, HTTPS protects the data from being accessed and altered by hackers. Even if the transmission is intercepted, hackers will be unable to use it because the message is encrypted.

1.PRIVATE KEY

A private key is generally a lengthy, non-guessable sequence of bits created randomly or pseudo-randomly. The complexity and length of a private key define how easy it is for an attacker to carry out a bruteforce attack, in which they test out several keys until they find the appropriate one.

2.PUBLIC KEY

A public-key encryption system's most apparent application is for encrypting communication to guarantee secrecy a message that a sender encrypts using the recipient's public key and can only be decoded by the recipient's associated private key.



HTTP WORKING PROCESS