DIFFERENCE BETWEEN HTTP 1.1 AND HTTP 2

DIFFERENCE	HTTP 1.1	HTTP 2
IMPORTANTS	HTTP 1.1 is Textual HTTP 1.1 is Ordered and Blocking HTTP 1.1 have multiple connection.	HTTP2 is Binary HTTP2 is Fully Multiplexed HTTP2 can, therefore, use one connection for parallelism.
Key features	It supports connection reuse i.e. for every TCP connection there could be multiple requests and responses, and pipelining where the client can request several resources from the server at once. However, pipelining was hard to implement due to issues such as head-of-line blocking and was not a feasible solution.	Uses multiplexing, where over a single TCP connection resources to be delivered are interleaved and arrive at the client almost at the same time. It is done using streams which can be prioritized, can have dependencies and individual flow control. It also provides a feature called server push that allows the server to send data that the client will need but has not yet requested.
Status Code	Introduces a warning header field to carry additional information about the status of a message. Can define 24 status codes, error reporting is quicker and more efficient.	Underlying semantics of HTTP such as headers, status codes remains the same
Authentication Mechanism	It is relatively secure since it uses digest authentication, NTLM authentication.	Security concerns from previous versions will continue to be seen in HTTP/2. However, it is better equipped to deal with them due to new TLS features like connection error of type Inadequate_Security.
Caching	Expands on the caching support by using additional headers like cache-control, conditional headers like If-Match and by using entity tags.	HTTP/2 does not change much in terms of caching. With the server push feature if the client finds the resources are already present in the cache, it can cancel the pushed stream.

Client   Server   Client   Server   Client   Server

GET index.html   GET index.html   GET index.html
GET style.css   GET style.css
GET query.js   GET query.js

HTTP/1.1   HTTP/2 (no Push)   HTTP/2 (with Push)

→ Request   ← Response   ▭ ▭ ▭ Resources