

http://127.0.0.1:8080

0 - 255 ' (ranges of values)

ipv4 -125.222.106.122

ipv6-2001:0db8:0a0b:12f0:0000:0000:0000:0001

Protocol: Specifies how the data will be transferred. In this case, HTTP usually for websites the protocol is HTTP HTTPS

IP Address:- A set of rules that governs how the data is sent over the network. IP ensures that data packets are sent to correct destination

Domain Name: Used to refer to an IP address in a more user friendly way. For example - www.google.com Port number:- port numbers are 16-bit unsigned integers ranging from 0 to 65535, used to identify specific communication channels on a device connected to a network.

http://myserver.com/index.html?uid=10&sid=4032013

Protocol: http

Host-name: myserver.com (Domain name)
File Path: index.html (the location of the resource)

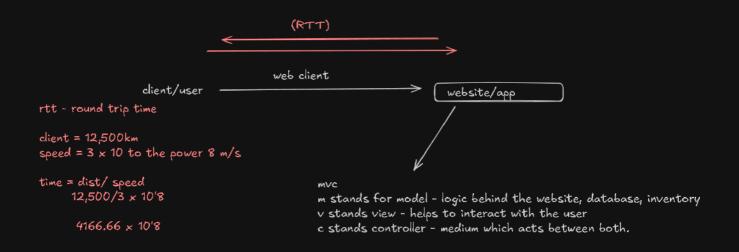
Query String: uid=10&sid=4032013 (contains additional parameters.)

https://onlinedegree.iitm.ac.in/academics.html

Protocol: HTTPS

Domain name: onlinedegree.iitm.ac.in Resource location: /academics.html

Root domain: iitm.ac.in Sub domain : onlinedegree



Bandwidth Calculation for high traffic websites

website gets 10,000 request in a sec request generates = 150kb (1kb = 8000 bits) bandwidth = ??

total data (outout) = 10.000 x 150kb = 1.500.000kb (x 8000 if they asked to convert to bits)