Networks

URL \rightarrow DNS \rightarrow IP

gas domains root
.google .columbia .wikipedia
.cs .ece .columbia

OSI (Open Systems Interconnection) 7-layer model

End host
Application
Presentation
Session
Transport
Network
Data link
Physical

Protocols
formatting
merge streams
ports & IPC
addressing

Nodes (routers)
Network
Data link
Physical

End host
Application
Presentation
Session
Transport
Network
Data link
Physical

DDoS attack - spoof source address to send reply to victim