

IP Address
CIDR
Cyber Networking and Host
Subnet Mask Broadcast address
Midterm 2 exam
Mac Addresses
Socket, what it is, what it consists of
UDP vs TCP socket
Cable and DSL (Symmetric/Asymmetric)
Network Core
Traceroute, ping, wireshark, tcpdump
Layer per Layer protocol (HTTP protocol)
Client server architecture
P2P architecture
Other Protocols (STP, IMAP)
Dns Protocol
DHCP protocol
Will not be asked about FTP or Other protocols
Everything about udp and TCP
Pipeline Protocol
Flow Control, Congestion Control
3 way handshake, timer in TCP
RTT (Round Trip Time)
Virtual Machine, (Host OS, Guest OS, Clone, Appliance)
Hyper Visor
Smart Devices (Why are they called)
What is a protocol
IP, ICMP, Routing Protocols
Media Sharing Protocols (Polling, Random Access, Partitioning)
Aloha, Slotted Aloha, CDMA
ARP Protocol
Router Functions (Forwarding and Routing)
Switching Fabrics
Network Address Translation
Are mac addresses permanent
Difference between Cryptography Hashing, all of that
4 different threats
How is ip addressed on linux virtual machine (ifconfig)