

CMSC 417 Midterm Vocabulary Review

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- 4B/5B
- ack implosion
- active open
- address
- advertised window
- application layer
- ARP (expand and define)
- ARP table
- ARQ
- AS (path) prepending
- asymmetric routing
- attenuation
- Autonomous System
- backbone
- bandwidth
- bandwidth delay product
- best-effort delivery
- bit stuffing
- bridge
- clock recovery
- closed window
- convergence layers
- count to infinity
- cumulative ack
- cyclic redundancy code
- data-link layer
- delay
- delayed ack
- delayed ack rule in TCP
- demultiplexing
- dijkstra's algorithm
- distance vector
- duplicate ack
- early-exit
- EGP
- encapsulation
- error correction
- error detection
- export filtering
- flat addressing
- flow control
- forwarding (different from routing)
- forwarding database (in a switch/bridge)
- frame (different from segment, packet)
- framing
- hierarchical addressing
- ICMP time exceeded
- IGP
- import (ingress) filtering
- initial sequence number (ISN)
- IP address prefix
- IP service model (four bad things)
- IP TTL
- Jacobson/Karels RTO algorithm
- Karn/Partridge algorithm
- late-exit
- latency
- link state
- link state database
- link state packet
- localpref
- lollipop sequence space
- MAC address
- Manchester
- MED
- metric
- MSS (expand and define)
- MSS (expand and define)

- MTU (expand and define)
- multicast
- multiplexing
- Nagle's algorithm
- negative ack
- network byte order
- network layer
- noise
- NRZI
- origin AS
- packet (different from segment, frame)
- passive open
- path vector routing
- path vector routing protocol
- physical layer
- preamble
- prefer-customer rule
- protocol state machine
- reliable flooding
- retransmission
- retransmission (sender's) buffer
- RIP's infinity = 16
- route advertisement
- Route Views
- route withdrawal
- routing (different from forwarding)
- routing convergence
- routing loops
- RTO (expand and define)
- RTT (expand and define)
- SACK
- scrambling
- segment (different from packet, frame)
- sequence numbers
- sentinels
- silly window syndrome
- sliding window
- smoothed RTT
- so_reuseaddr
- spanning tree protocol
- split horizon
- stop and wait
- store-and-forward
- switched ethernet
- TCP (expand and define)
- TCP state machine
- TCP three-way handshake
- tinygrams
- transit AS
- transport layer
- triggered update
- two criteria for accepting a route
- two-dimensional parity
- UDP
- UDP port
- valley-free routing
- waterfall diagram
- window probes