Networking

Interface Stats and Alerts

Interface Statistics

- Link State
  - Link can be up (running) or down (not running)
  - Can have alerts for when a link goes down

- Speed/Duplex
  - Speed is how quickly data is being transferred
  - Half-Duplex means devices can only send or receive data (not both)
  - Full-Duplex is when devices can send and receive data

Interface Statistics

- Cyclic Redundancy Checks (CRCs)
  - Error-detecting code
  - Commonly used in digital networks and storage devices to detect accidental changes to raw data
- Protocol Packet
  - What protocol is the packet using?
- Byte Counts
  - How large is the packet?

Interface Errors or Alerts

- CRC Errors
  - When packets have been damaged
- Giants
  - Packets that are discarded because they exceed the maximum packet size allowed
- Runts
  - Packets that are discarded because they do not meet the minimum packet size allowed
- Encapsulation Errors
  - Missing some elements from the headers