<table>
<thead>
<tr>
<th>Correctness</th>
<th>Scalability</th>
<th>Performance</th>
<th>Distributed State: Protocols</th>
</tr>
</thead>
</table>
| • Redundancy
• Bit encoding
• Framing
| • Size => heterogeneous
  • Hardware / performance
  • Speed
  • Error rate
  • Administration / policy
  • Standard's committees
  • Distance / latency
| • Buffering
  • Avoid layer crossing
| • TCP
  • Nagel'ing
  • Flow control
  • Sliding window
  • Bandwidth x delay
  • Congestion control
  • AIMD
  • Slow start
  • Fast retransmit

| • Error detection/correction
• Addresses (UIDs)
• Header + data
| • Size => dynamic
  • Independent failures
  • Always in transient state...
  • Dampening
    • LAN bridge algorithm
    • IP routing
| • Timeouts
  • RTT estimation
  • Lost data detection

| • IP: semantics
• Addressing:
  • DHCP
  • ARP
  • DNS
  • NAT
    • Stun
| • Size => long lived
  • Version # in header
| • TCP
  • Nagel'ing
  • Flow control
  • Sliding window
  • Bandwidth x delay
  • Congestion control
  • AIMD
  • Slow start
  • Fast retransmit

| • Layering
| • End-to-end argument
| • Protocol layering
| • Routing basics
  • LAN broadcast
    • Collision resolution
    • Carrier sense
    • Collision detect
  • Ethernet
  • 802.11 wireless
  • Forwarding
  • DV/LS routing
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  • LAN broadcast
    • Collision resolution
    • Carrier sense
    • Collision detect
  • Ethernet
  • 802.11 wireless
  • Forwarding
  • DV/LS routing

| • Stacking
• NAT
• Subnets
• Supernets (CIDR)
| • Layered routing
  • LAN bridging
  • DHCP / gateways
  • NAT
  • Subnets
  • Supernets (CIDR)
  • BGP
| • Layered routing
  • LAN bridging
  • DHCP / gateways
  • NAT
  • Subnets
  • Supernets (CIDR)
  • BGP

| • Congestion control (TCP)
• RTT estimation
• AIMD
| • Congestion control (TCP)
• RTT estimation
• AIMD

- How does RFID fit in here (and everywhere)?