



















Okay, just don't do that...

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## **Perspective on Bridges/Switches**

- · LAN switches form an effective small-scale network
  - Designed to work transparently with no host changes
  - Plug and play for real!
- But they don't scale well to large networks
  - Little control over forwarding paths
  - Size of bridge forwarding tables grows with number of hosts
  - Broadcast traffic flows freely over whole extended LAN
  - Spanning tree algorithm limits reconfiguration speed
- We can layer on scalability by changing hosts too.
  - Next up: IP and routing.