

Network Protocols and Vulnerabilities

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Outline

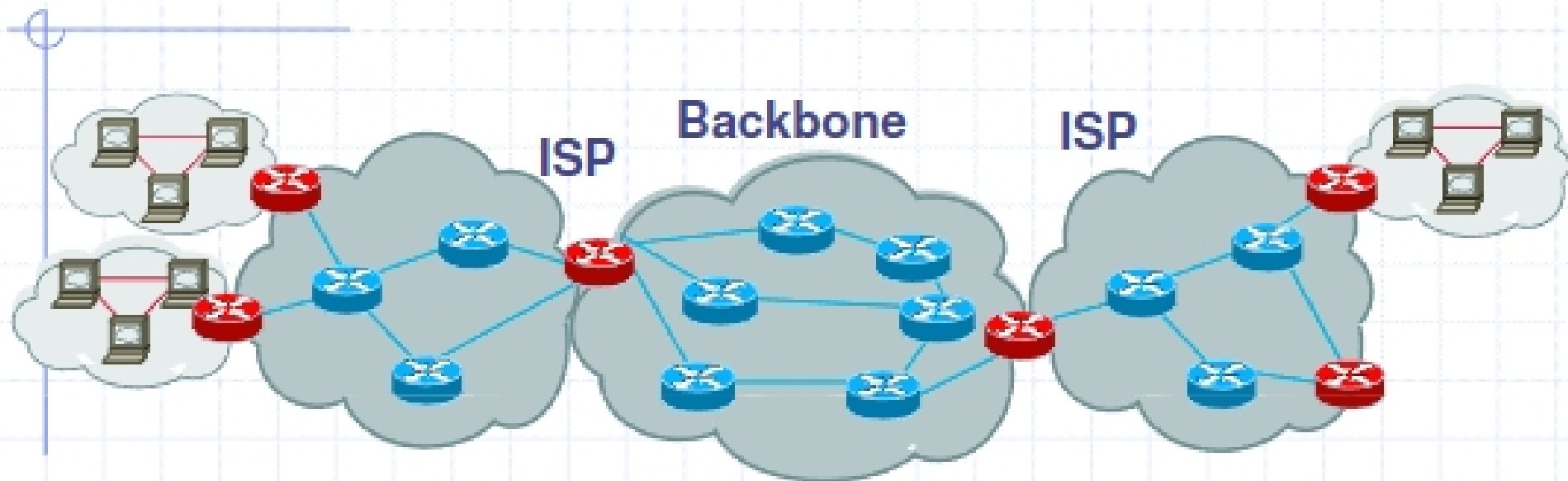
◆ Basic Networking:

- How things work now plus some problems

◆ Some network attacks

- Attacking host-to-host datagram protocols
 - ◆ TCP Spoofing, ...
- Attacking network infrastructure
 - ◆ Routing
 - ◆ Domain Name System

Internet Infrastructure



◆ Local and interdomain routing

- TCP/IP for routing, connections
- BGP for routing announcements

◆ Domain Name System

- Find IP address from symbolic name (www.cs.stanford.edu)