

CS 640: Introduction to Computer Networks

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Lecture 25 -
Network Security

The Road Ahead

- Security Vulnerabilities
- DoS and D-DoS
- Firewalls

Security Vulnerabilities

- Security Problems in the TCP/IP Protocol Suite – Steve Bellovin, 1989
- Attacks on Different Layers
 - IP Attacks
 - ICMP Attacks
 - Routing Attacks
 - TCP Attacks
 - Application Layer Attacks