

# **CSE 543 - Computer Security (Fall 2006)**

Lecture 17 - Network Security

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URL: <http://www.cse.psu.edu/~tjaeger/cse543-f06/>

# Communications Security

- Harden the communication against mal-intent ...



# Communications Security

- A host wants to establish a secure channel to remote hosts over an untrusted network
  - Not Login – end-users may not even be aware that protections in place
  - Remote hosts may be internal or external
- The protection service must ...
  - Authenticate the end-points (each other)
  - Negotiate what security is necessary (and how)
  - Establish a secure channel
  - Process the traffic between the end points