

## Lecture A2 Outline

**Reading:** [Sc99][TL00]

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1. Attack trees
  - a. Goals and subgoals
  - b. Example: safe cracking
  - c. Different functions of nodes and edges
    - i. Risk analysis
    - ii. Feasibility analysis
    - iii. Cost analysis
  - d. Example: attacking PGP
2. Requires/provides model
  - a. Give intuition
  - b. Single exploit *vs.* scenario attacks
  - c. Correlation problem
  - d. Example: *rsh* connection spoofing
  - e. Capabilities and concepts
  - f. Some features of the model
  - g. JIGSAW language overview

### References

[Sc99] B. Schneier, "Attack Trees," *Dr. Dobbs Journal* (Dec. 1999).

[TL00] S. Templeton and K. Levitt, "A Requires/Provides Model for Computer Attacks," *Proceedings of the 2000 New Security Paradigms Workshop* pp. 31–38 (Sep. 2000).