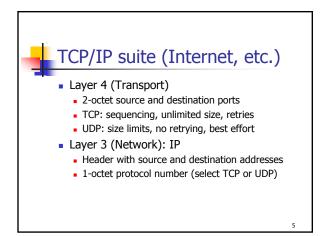


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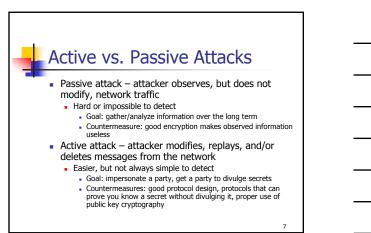
OSI Model

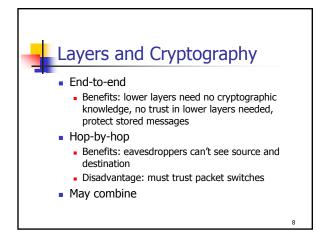
- 7. Application programs, HTTP, FTP
- 6. Presentation system dep., e.g., SSL
- 5. Session (seldom used in IP)
- 4. Transport reliability, seq., rexmit.
- 3. Network multiple links, src. to dest.
- 2. Data link packets, link sharing
- 1. Physical wires, optical fibers, …

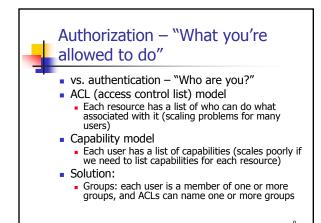


Routing

- Ultimate and next-hop destinations
- Layer 4 (Transport): inner envelope: information about errors, retries
- Layer 3 (Network): middle envelope: contains the ultimate destination
- Layer 2 (Data link): outer envelope: contains the next destination

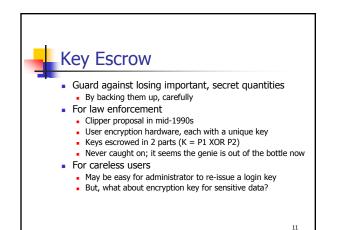


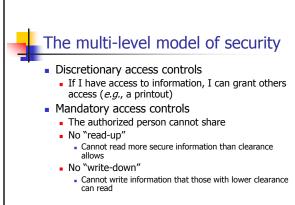




Tempest

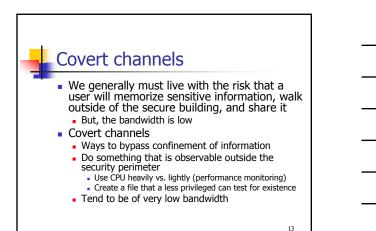
- US military program that measures how close one needs to be to a device to be able to detect data from its electronic emanations
- Control zone: the region that must be physically guarded to prevent wireless eavesdropping

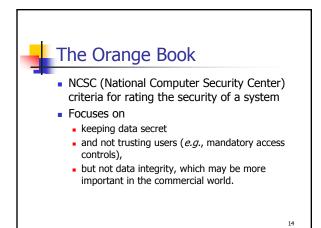


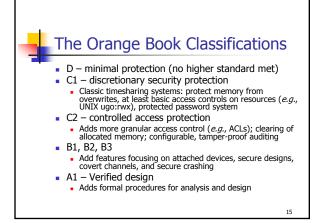


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Legal issues (another great presentation topic) Legal climate has greatly improved in the past 5-10 years

- Many patents on encryption technologies have expired
- US export restrictions have generally been lifted...
 - 7 countries are still on a no-export list
 - 31 countries with no restrictions
 - Remaining countries have a few restrictions

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