

Management Challenges



Why are there problems?

"A computer program does what you tell it to do, not what you want it to do." — *Greer's Third Law*.

"3 Biggest Software Lies:

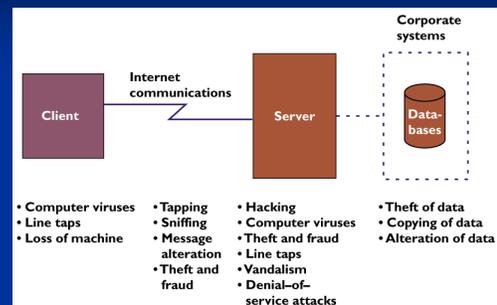
- The program's fully tested and bug-free.
- We're working on the documentation.
- Of course we can modify it."

Ethical Issues

- Intellectual Property Rights (Pirating)
- Customer Privacy
- Employee Privacy
- Workplace Safety

In groups make company guidelines for these issues.

Hacking



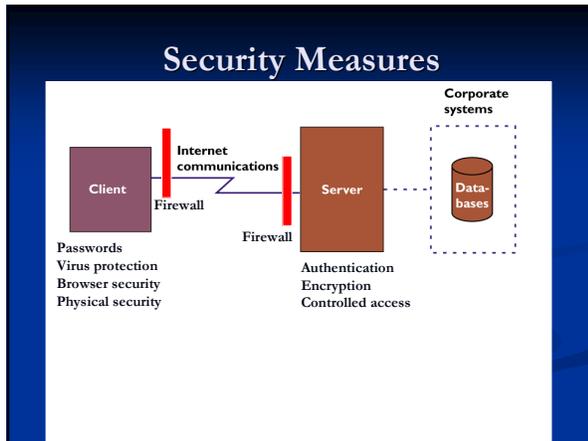
Unauthorized Resource Use

- Playing solitaire
- General email abuses
- Plagiarism / Pirating
- Newsgroup postings
- Transmission of confidential data
- Hacking
- Non-work related downloads
- Leisure use of the Internet
- Moonlighting

Stolen Data

- Even if the computer has been burned, flooded or thrown out of a plane. The data may still not be destroyed...
- You may not be able to get it, but a forensics lab can...





Firewalls

- Stops certain types of requests
- Can also be used to stop employees accessing certain resources

Standard Firewall

Internet

Firewall

Server

Wanted Request

Unwanted Request

www.inetu.net

- ### Employee monitoring
- Use a Database for emails (Such as Outlook Exchange / Lotus Notes)
 - Allow Personal web mail (Hotmail / Yahoo)
 - Selective access to confidential data
 - Monitor Data access
 - Effective contracts & training

- ### Other Security Measures
- Backup Files
 - Biometric security / Smartcard access
 - Don't network sensitive PCs
 - Don't record sensitive data on PC.
 - Put a tracker on PCs

- ### Extreme Strategies...
- Destroy all files at 5pm every Friday.
 - Put a self destruct system into the PC.
 - Search people leaving the building
 - Allow everybody in the company to search any email...

- ### What's a Mouse?
- Don't forget that people have to operate Computers
 - People may resist changes
 - People are suspicious of technology
- In groups decide what other problems there might be and how you can solve them...

