

Lecture 1

CprE 308

January 13, 2013

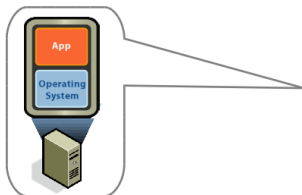
Welcome!

About Me

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Why learn about Operating Systems?

A computer, and



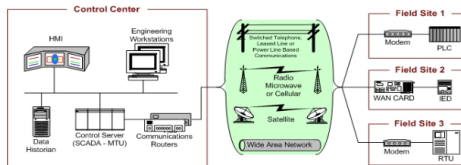
More than a computer, and...

■ Sensing & medical devices

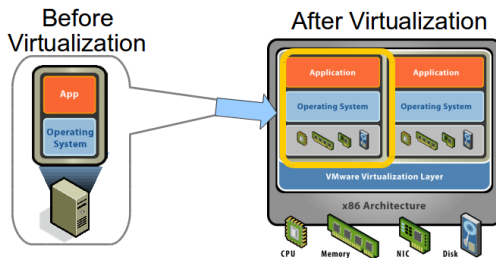


More than a computer, and...

■ Cyber-assisted Critical Infrastructures



Tech Trend: Virtualization



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Idea:

- Decouple [OS, *service*] pair from hardware
- Multiplex lightly-used services on common host hardware
- Migrate services from host to host as needed
- Introduce new [OS, *service*] pairs as needed
- Examples: VMWare, Xen, Parallel, etc.

Tech Trend: Mobile/Networked/Distributed Apps



Tech Trend: Mobile/Networked/Distributed Apps

- Webinar
- Stock Information
- On-line TV/Video
- Group-based Apps: Google Docs, Multiplayer games