

SOME TECHNOLOGY TRENDS

....that will impact us at Cornell

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THE TRENDS....

- Cloud computing
- Fixed / wireless convergence
- Integrated applications
- Desktop efficiency
- eBooks
- Web 2.0
- Disintermediation
- Virtualization
- Security
- Green computing
- Aging IT workforce

CLOUD COMPUTING..SaaS

- Google apps
- Outsourced student email next year
- Mobile me
- Security & legal issues

FIXED/WIRELESS CONVERGENCE

- Mobile devices increase (computers and telephones)
- 802.11n wireless performance
- Residence hall telephones going away
- 911, LBS, video and privacy issues

APPLICATION INTEGRATION

- PeopleSoft ERP
- Exchange email, calendar, contacts, etc.

DESKTOP EFFICIENCY

- Computational power
- Storage
- Managed desktops

EBOOKS

- Kindle
- Open textbooks

WEB 2.0

- Sharepoint, Confluence, Sourceforge
- Virtual meetings (Adobe Connect)
- Collaboration (Wikis, blogs)
- Social networking (uTube, Facebook, MySpace, Twitter, Linked-in, etc etc)

DISINTERMEDIATION

- Videoconferencing (iChat...)
- Flip HD
- Multicast/unicast

VIRTUALIZATION

- Server / storage farm efficiency (30-40% savings)
- Virtual computer labs (better service, lower cost)

IT SECURITY

- Data focus
- Policy
- Actuality
- Spider, ID Finder, etc

GREEN COMPUTING

- Power down (backup issue)
- Paper reduction through laptops

AGING IT WORKFORCE

- 10 year retirement forecast: 53% in CIT, 44% in distributed units
- CS majors decreasing
- Will hit CIT first
- Will impact the whole campus (and industry!)



NEXT YEAR...
THIS LIST WILL BE DIFFERENT