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Virtualization of Pace Teaching Computers

Collaborative Project
Pace University

Virtualization of Pace Teaching Computers

- Dr. Lixin Tao, Professor of Seidenberg School
  - Upenn PhD 1988, graduated a dozen of doctoral students
  - Research strengths: Internet and Web computing, computing security, operations research, …

- Empowering teaching with technologies depends on sophisticated computing environments that are hard to create and maintain (media teaching is an example)
- This project will allow students to bring the complete teaching lab environments with them on their thumb USB disks, and work on their course work anywhere on any computer
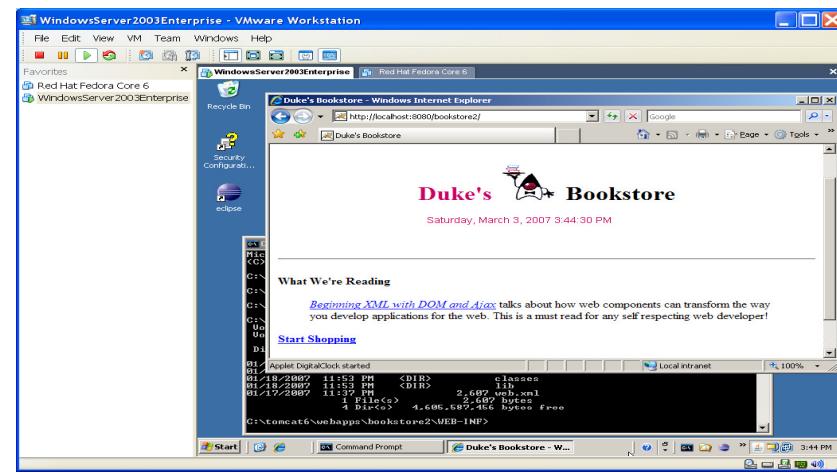
- Promote a new image of Pace education: *Teach how to solve real world problems with the latest technologies, and engage students with practical projects in Pace's modern portable lab environments*
- Make quality online education of technology-oriented subjects one step closer to reality

Cyber-Labs?

- Use server-based animation and physical process modeling to support virtual labs for K12 education (math, physics, chemistry, …)

- NSF cyber-labs: virtualizing expensive lab resources so other members of the research/teaching communities can use them over the Internet (resource sharing)