

A light blue world map is centered in the background of the slide. The title 'Introduction to LTSP' is overlaid on the map in a large, bold, dark blue font.

Introduction to LTSP

Peter Billson, President
ELB Internet Services, Inc.
Westfield, New Jersey

PC Expo, New York City

October 2004

What is LTSP ?

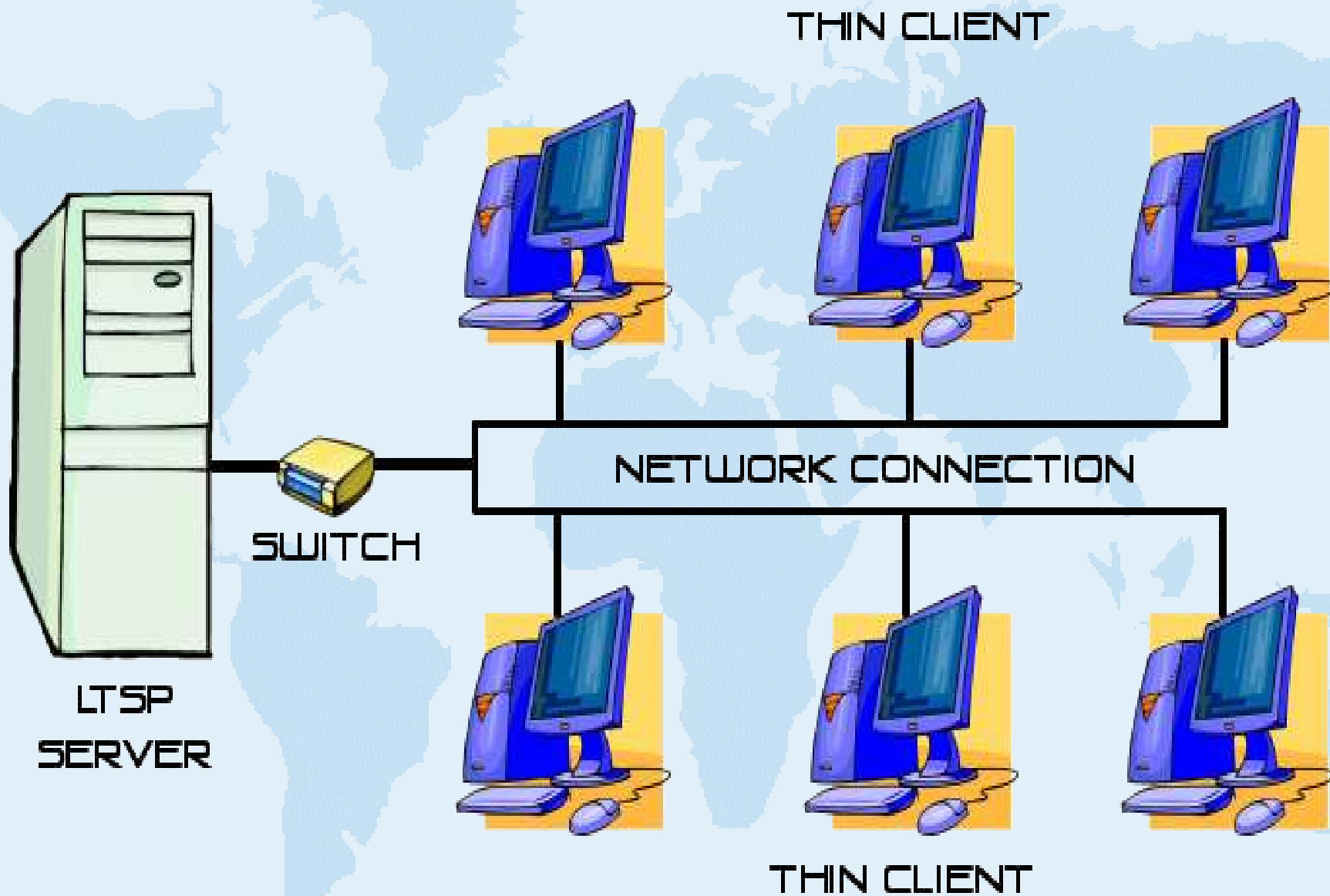
Linux Terminal Server Project

Allows inexpensive hardware to be connected to a central server, spreading the power of the server to many desktops.

Fully Buzzword Compliant

Diskless Workstations... Terminal Services...

Dumb Terminals... Thin Clients



Why Thin Clients?

- Inexpensive desktop hardware
- Gets you off the client upgrade treadmill
- Quiet – no fans or hard drives
- Secure - loads OS and configuration from the server
- No local storage means all data and configuration information is stored - and backed up - on the server.
- Significantly lower TCO.

Why LTSP?

- Stable and secure Linux based system
- Standards based – DHCP, PXE, NFS - no “magic”
- No licensing fees or BSA worries
- Open Source = Customizable
- Major vendor support – Novelle - Hewlet Packard - ELB
- Interoperates with all systems - *NIX - Windows
- Established leader since 1999

What Can LTSP Provide?

- Office Applications – i.e. Word Processing, Spreadsheets, Presentations, Databases
- Any Linux Application – i.e. Software Development Tools
- Productivity Applications – i.e. Email, Calendering
- Web Browsing – including IE if you must
- Connectivity to Existing Business Applications
- Connectivity to Other Platforms (i.e. *NIX, Windows, etc.)

Internet

Application Server

MS Windows Server

LTSP Server

Firewall

Proxy Server / Content Filter

Thin client

Thin client

Thin client

Thin client

Thin client

Windows PC

Windows PC

Apple MAC

Misc. Information

- LTSP is not platform or distribution dependant – works with Red Hat, SuSE, Mandrake, Debian and any other Linux distribution on any hardware supported by Linux
- Can run any Linux application the server can run
- Access to Windows via rdesktop or Citrix
- LTSP is FREE (Licensed under the GPL)
- Currently over 100,000 installations including businesses, government offices, libraries and schools

So... How Do I Save Money?

Many older computers are no longer capable of running the latest version of Microsoft Windows, so when you need to upgrade Windows you are forced into upgrading the hardware as well. However, a 90Mhz CPU with 32MB of RAM makes a great LTSP workstation.

New Thin Clients are inexpensive. Slow CPUs, limited memory, no drives all make for an inexpensive client.

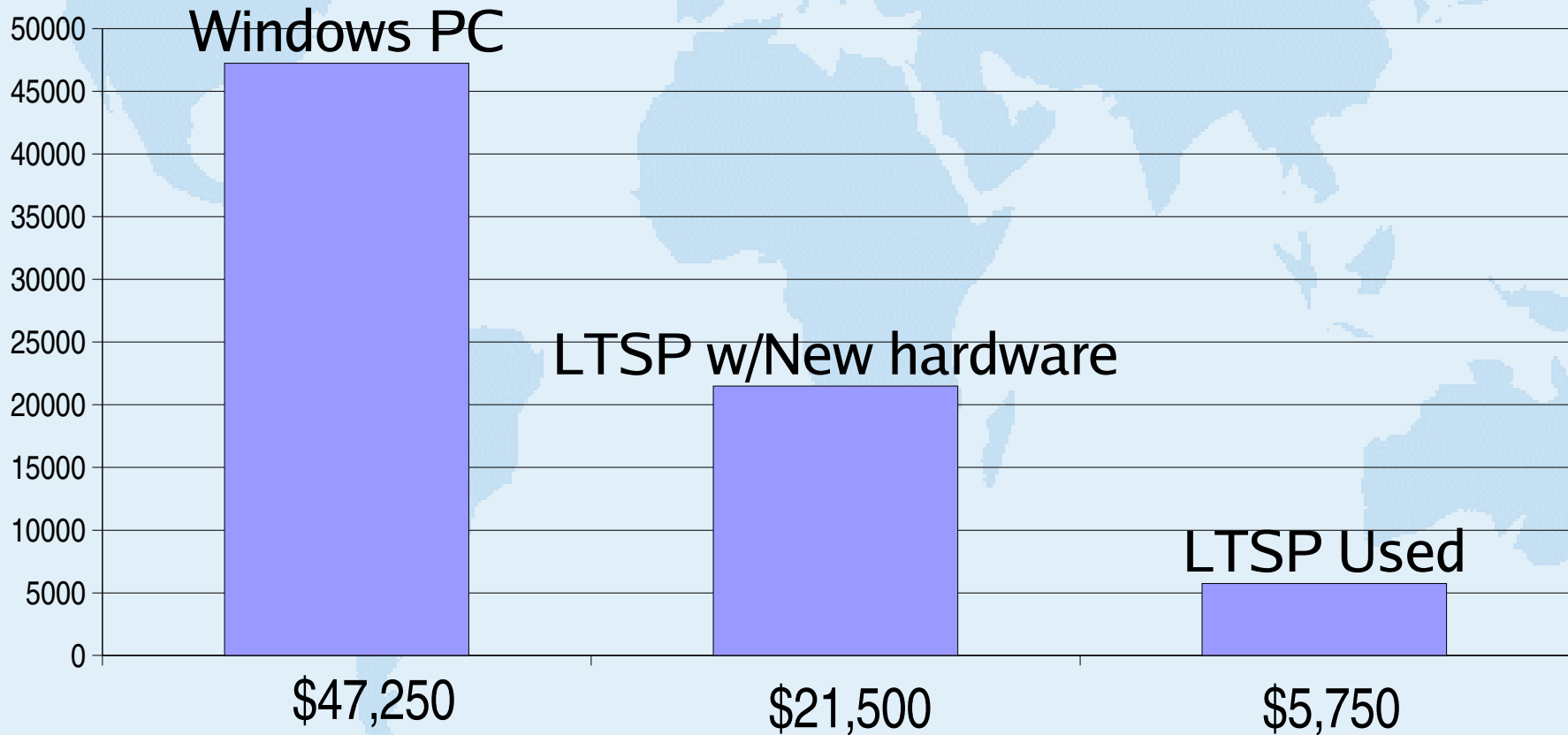
No licensing fees for the server and no per-client fees.

Lower administration costs due to centrally managed nature of the system. Also no virus or spyware issues.

Standard *NIX system administration applies. Don't tell the CTO but there is nothing difficult here.

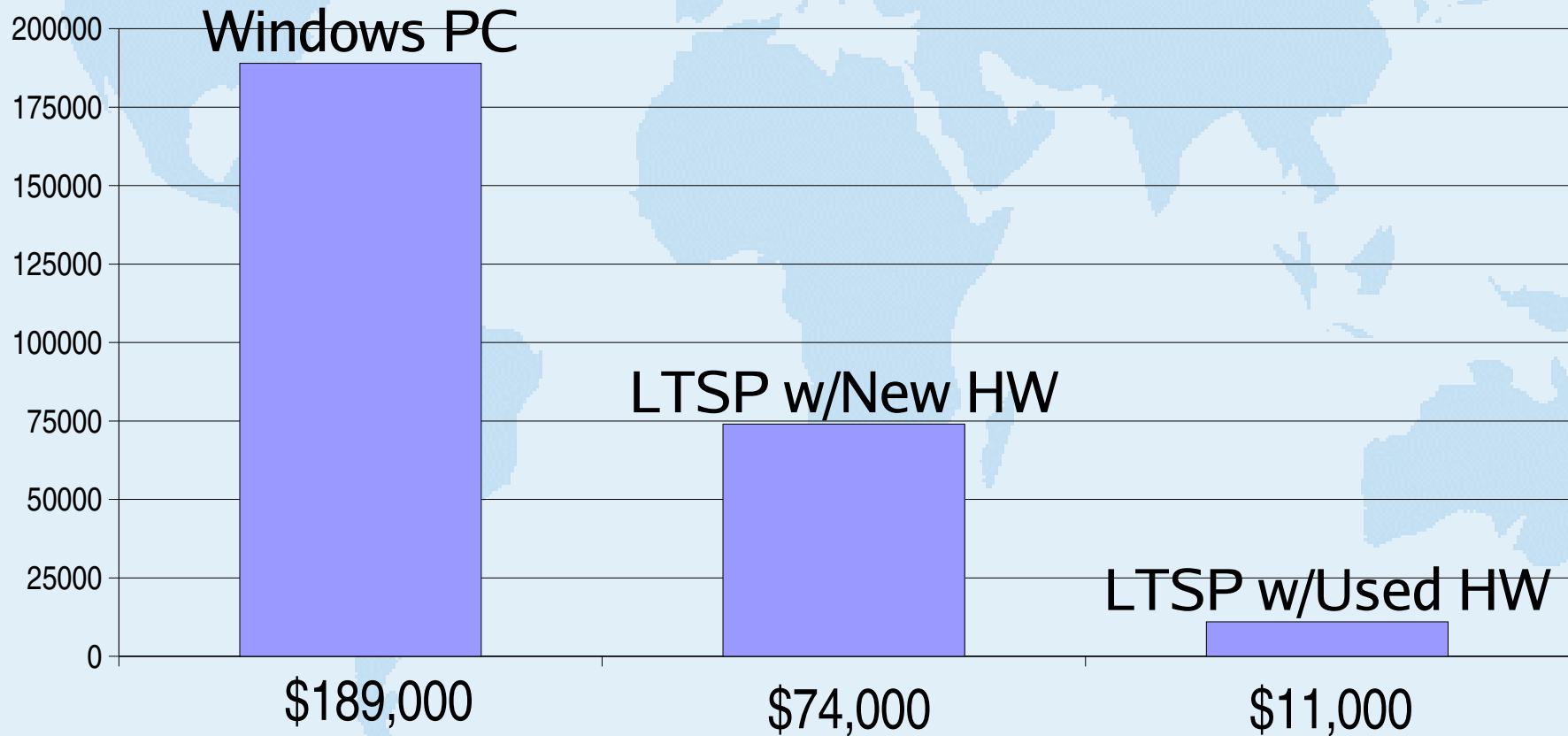
How much can you save?

Cost Comparison for 35 Desktops



How much can you save?

Cost Comparison for 140 Desktops



Where to go for More Info:

- Main Site - www.LTSP.org
- For Schools - www.K12LTSP.org
- For Hardware - www.DisklessWorkstations.com
- ELB Internet Services - www.ELBnet.com
- Email - Pete@ELBnet.com



Demonstration