

# R&D Subcommittee

February 2009 Presentation

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HP CIO' Randy Mott's three-year journey is transforming the way it builds, delivers, and manages the technology that runs HP. Results: triple the bandwidth at half the cost; 85 data centers consolidated to six; 6,000 applications to about 1,500.

HP spent about \$1.7 billion, including construction of six new data centers. It cut IT spending from 4% of revenue to 2%, generating \$1 billion in annual savings.

Global PC Sales: Q4 08 : 77.3M  
Netbooks: 5 million (7% of mobile PCs)  
Total PC shipments for 2008: 297.2 million units.



China's Internet population grew 42% in 2008 to 298M. 90% have broadband.

Google Search Ads create \$5.7B in revenue

US delays entry of digital TV for four months

# IT News



Internet Explorer 8 RC1 released on 1/28

Cisco's Nexus 2000 switch to sit on server racks. They push traffic to a higher end switch which manages QoS and security. These models help patch management as only the top switches need upgrades.



Gmail goes offline



SQL Server 2005 SP3 released

# New products

**V on demand for iPhone owners**  
lets users watch more than 50 pre-recorded television shows from 30 channels for \$2.99 a download



## *HP TouchSmart*

*Energy Star compliant* 4GB RAM  
*22/25.5" HD screen* 320GB HDD  
*One power cord* Wireless keybd/mouse  
*Touch screen* 802.11n  
*TV tuner* Bluetooth  
*Webcam* 64-bit processor / OS

# Web Browsers and OS Market Share



	Dec-07	Dec-08
Internet Explorer	79%	68%
Firefox	15%	21%
Safari	5%	8%
Chrome	0%	1%

## OS in the Desktop

	Dec-07	Dec-08
Vista	5%	21%
Windows XP	81%	65%
Windows 2000	4%	1.5%
OS X	6%	10%
other	4%	2%

# IPv6



IPv4 data transmission standard that dominates Internet and organizations.

It does not guarantee delivery/correctness of data, but TCP does that.

IPv4 has  $2^{32} = 4,294,967,296$ . Addresses will run out by 2010.

IPv6 has  $2^{128} = 340$  sextillion.

IPv6 enhancements:

- ✓ auto IP config
- ✓ route aggregation
- ✓ ability to have several layers of hierarchy
- ✓ requires Ipsec
- ✓ robust traffic management

No, I will not  
fix your computer.

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fix your computer.

Weird News