



# University-Centric Windows Vista Preview

John Mulhern III

Senior Project Leader

Technology Support Services

Information Systems & Computing

University of Pennsylvania

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# Introduction & Agenda

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# Caveats

- I am not a Windows or a Windows Vista expert
- Most, but not all technical information in this presentation is based on Windows Vista Ultimate RC2, running in 32-bit mode
- Just about everything in this presentation is subject to change  
...
- ... but this is the best information we have right now

# Timing

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- Windows Vista Enterprise Edition will be available to Campus Agreement subscribers on **November 30th, 2006**
- All other versions of Windows Vista will be available on **January 30th, 2007** in shrink-wrapped & pre-installed form

# Editions

- Five editions being sold in the United States:
  - Home Basic (**\$200**)
  - Home Premium (**\$240**)
  - Business (**\$300**)
  - Enterprise (Campus Agreement only)
  - Ultimate (**\$400**)
- No educational pricing yet ...

# *Approximate* Edition Mapping

<b>Windows XP</b>	<b>Windows Vista</b>
	Home Basic
Home	Home Premium
Professional	Business
	Enterprise
Media Center	Ultimate

# *Some* Version Differences

	<b>Full 'Aero' Graphics</b>	<b>Domain-Based Authentication</b>	<b>Tablet PC Capabilities</b>	<b>Bit Locker Security</b>	<b>Media Center Capabilities</b>
<b>Home Basic</b>					
<b>Home Premium</b>					
<b>Business</b>					
<b>Enterprise</b>					
<b>Ultimate</b>					

# System Requirements

- We disagree with Microsoft, whose basic requirements are *sharply* lower
- Windows Vista will run *respectably* on a current-generation desktop or laptop with a dual-core processor (Pentium D, Core Duo, Core 2 Duo, or Athlon X2), integrated graphics, & 1.0 GB of RAM
- Windows Vista will run **well** on any desktop or laptop with a dual-core processor (hyperthreading is okay), a 128 MB discrete video card, & 1.0 GB of RAM
- More RAM & more powerful video cards make it snappier

# The Installed Base ...

	Q1/2005	Q2/2005	Q3/2005	Q4/2005	Q1/2006	Q2/2006	Q3/2006	Q4/2006	Q1/2007
Performance PC	Red	Yellow	Yellow	Green	Green	Green	Green	Green	Green
Value PC	Red	Red	Red	Red	Red	Red	Yellow	Yellow	Green
Desknote	Red	Red	Red	Red	Red	Yellow	Green	Green	Green
Large Laptop	Red	Red	Red	Red	Yellow	Green	Green	Green	Green
Mid-weight Laptop	Red	Red	Red	Red	Yellow	Green	Green	Green	Green
Lightweight Laptop	Red	Red	Red	Red	Red	Red	Red	Yellow	Green
Value Laptop	Red	Red	Red	Red	Red	Red	Red	Yellow	Green
Tablet PC	Red	Red	Red	Red	Red	Red	Yellow	Green	Green

# The Support Statement, Part I

- ISC will support the 32-bit Business, Enterprise, Ultimate, & Home Premium versions of Windows Vista for its clients, including off-campus students, **only** on new workstations that ship with Windows Vista pre-installed. ISC strongly recommends that all other users adopt a “wait & see” approach, continuing to use previous versions of Windows (including Windows XP Professional, Windows XP Home, & Windows 2000 Professional) until the initial bugs in Windows Vista are identified & fixed.

# The Support Statement, Part II

- ISC *does not recommend* but will support the 32-bit version of Windows Vista Home Premium. Windows Vista Home Premium is missing important networking & security features, such as domain-based authentication, that are critical to many Schools & Centers in the University. In addition, Microsoft will not support Windows Vista Home Premium for the same extended period that it will support Windows Vista Business, Enterprise, or Ultimate.

# The Support Statement, Part III

- ISC *will not support* Windows Vista Home Basic. Windows Vista Home Basic is an extremely limited version of Windows & is missing many important networking & security features that are critical to many Schools & Centers in the University. ISC suggests that users who are thinking of upgrading to Windows Vista Home Basic will be better served by remaining with Windows XP Service Pack 2.
- ISC *will not support* any 64-bit edition of Windows Vista on its release, but intends to support 64-bit sometime in the future, after more compatibility testing has been performed

# Vendor Support

- Both Dell & Lenovo have Vista-related pages
- Dell plans to make many of our preferred configurations & products available with various versions of Vista on January 30th
- Lenovo plans to have updates for all its ThinkVantage middleware applications available on the web on the January 30th date of general release

# Software Issues, *As Of RC2*

- SecureW2 does not function with Air PennNet
- The integrated 802.1X client works only intermittently, but seems to have significant problems if SecureW2 has previously been installed
- Symantec AntiVirus Corporate Edition 10.1.x does not function
- Symantec promises a Vista compatible version (probably 10.2) within a month of the Enterprise release on November 30th

# Software Issues, *As Of RC2*

- Leash32 2.6.x does not work
- Kerberos for Windows 3.0.x does
- Eudora 6.2.x & 7.1.x do not function in Kerberized mode unless the Kerberos for Windows 3.0.x client is *open*
- Eudora under SSL/TLS functions correctly
- Filezilla 2.2.x/3.0 does not function in Kerberized mode
- Filezilla's sFTP works as expected

# Software Issues, *As Of RC2*

- Most other University applications applications either function correctly or function with minor issues
- All of these issues are being worked on ...

# Causes For Concern ...

- Nobody seems to have an accurate & believable handle on how close RC2 is to the *final* release
- Some third party software vendors have been less than responsive & clear with their plans
- There always at least one killer bug ...

# For More Information...

- [www.upenn.edu/computing/provider/docs/windowsvista.html](http://www.upenn.edu/computing/provider/docs/windowsvista.html)
- Watch the PC Net list (& occasionally the IT Announce superlist) for updates
- [mulhernj@isc.upenn.edu](mailto:mulhernj@isc.upenn.edu)

# Credits & Questions

Mark Aseltine, ISC TSS

Charly Bazar, ISC TSS

Michael Cherry, Directions on Microsoft

Bob DeSilets, ISC TSS

Sema Dugan, ISC TSS

Mary Jo Foley, Microsoft Watch

Mary Griffin, Site Licensing

Laura Hunter, Business Services

# Credits & Questions

Mike Lazenka, ISC TSS

Jordan McClead, ISC TSS

Mary Lou Miller, Lenovo

Melissa Muth, ISC N&T

Kristin Nelson, ISC TSS

Tobias Nteireho, ISC TSS

Tony Olejnik, ISC TSS

Amy Phillips, ISC TSS

# Credits & Questions

Adam Preset, ISC N&T

Jeff Rusling, Business Services

Rob Short, ISC TSS

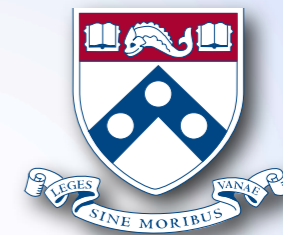
Michael Silver, Gartner

Don Thatcher, Microsoft

Jason Trumpy, Dell

Vern Yoneyama, ISC TSS

Sam Wadhvani, Dell



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