

# WWDC 2006

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# WWDC Attendance

- All-time largest WWDC ever
- 4200+ developers from 48 countries
- 750,000 registered Apple developers
- 140 Sessions
- 100+ Hands-On Labs
- 1000+ Apple engineers at conference
- 1:4 Apple employee to attendee

# Apple Retail

- 157 Stores total
- New store on 5th Avenue in NYC
- 17 million visitors last year
- \$500 million 3rd party software
- 50% of Mac purchases were 1st time purchases of a Mac

# Macintosh Sales

- Best Quarter in Apple History
- 1.33 million Macs
- 75% of Macs shipped were Intel-based

# Notebook Marketshare

- From Jan '06 to Jun '06, climbed to 12%!

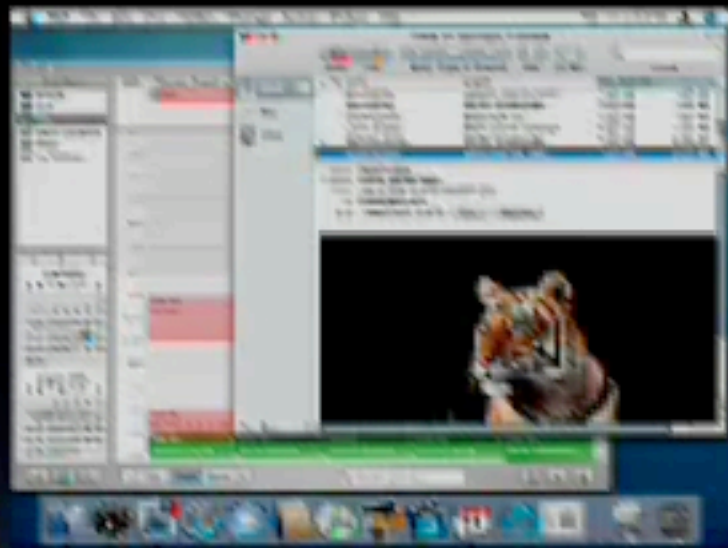


# Intel Transition

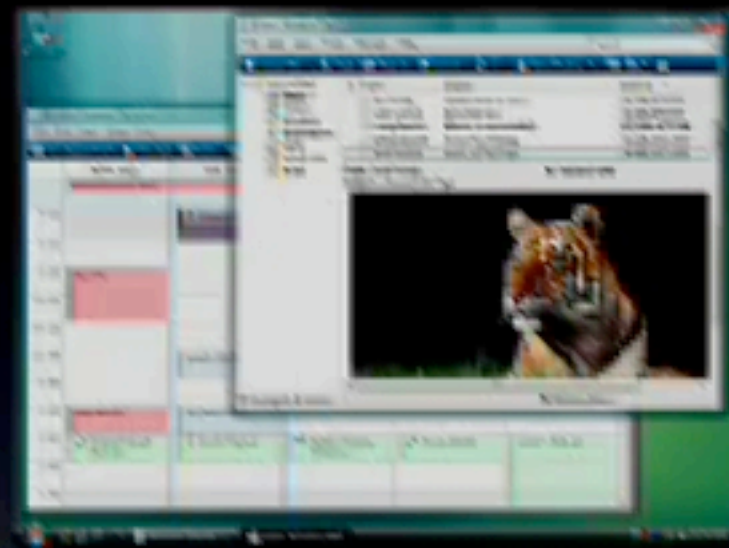
- Transition to Intel: 1/10/06 - 8/7/06
- Most successful transition ever
- PowerMac discontinued
- Mac Pro introduced
- Using Xeon “Woodcrest” chip
- 1 Standard Configuration

# Vista Comparisons

Mac OS X Tiger

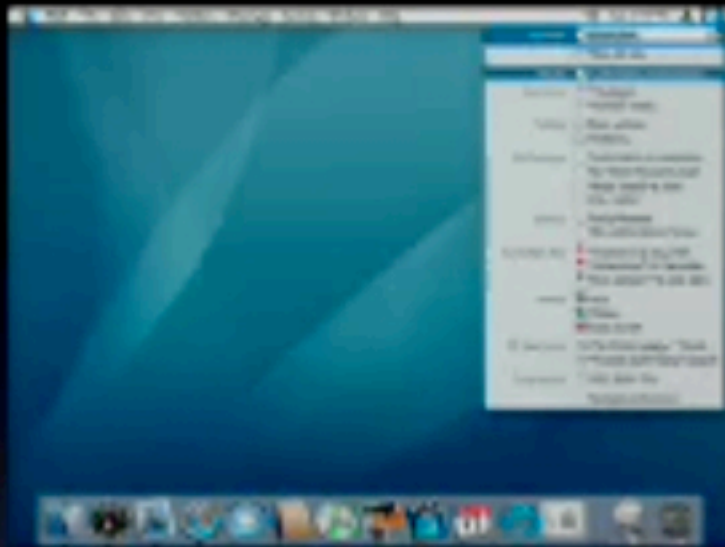


Vista (beta)

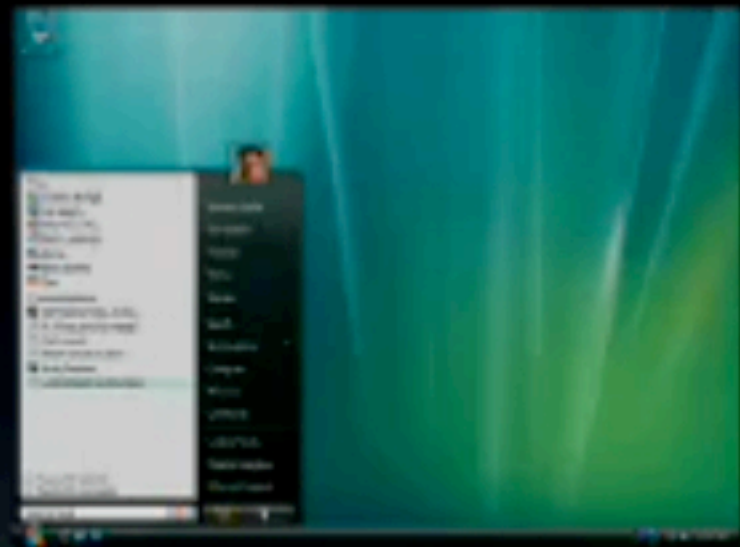


# Vista Comparisons

Spotlight

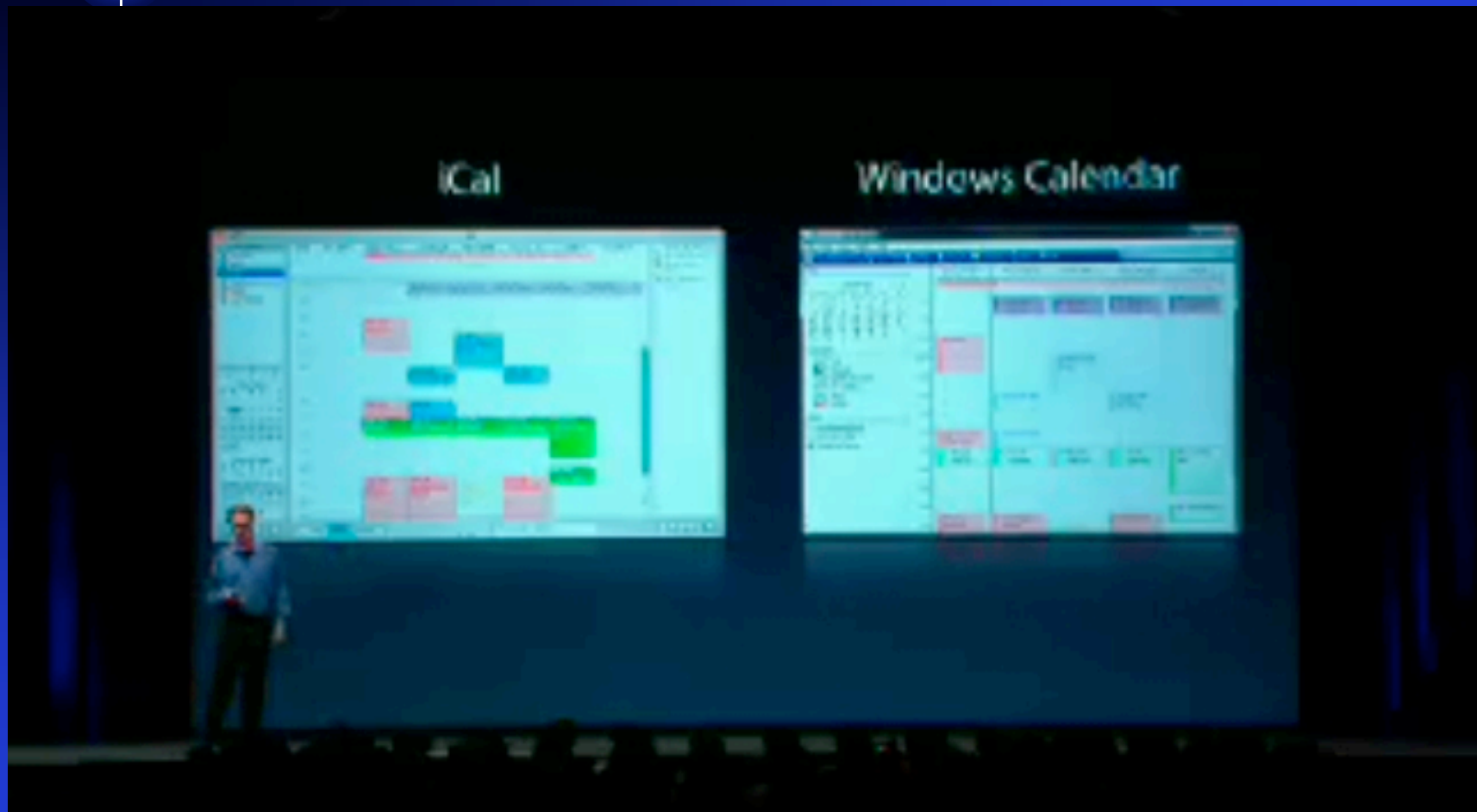


Instant Search

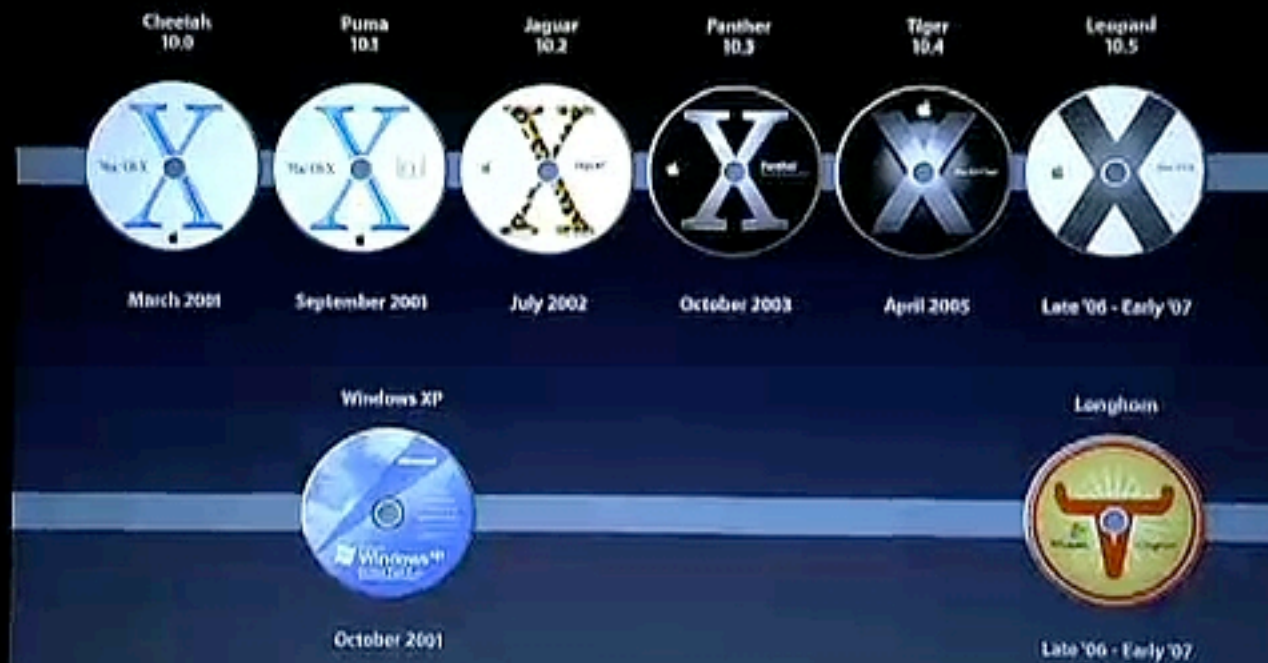




# Vista Comparisons



# Timeline



# 64 Bit: Top to Bottom

- In 10.4 Tiger, 64-bit enabled for Unix level on PowerPC G5 (no Rosetta)
- In 10.5 Leopard, available on all levels: Carbon, Cocoa & Unix
- New Universal Binaries contain 4 architectures:
  - 32-bit PowerPC
  - 32-bit Intel
  - 64-bit PowerPC
  - 64-bit Intel

# Integral Types

- Mac OS X follows the LP64 standard:
  - Longs & pointers now 8-bytes wide
- Windows uses P64 (or LLP64) standard:
  - Longs stay 4 bytes, only pointers go 64-bit
- Integers stay 4-bytes for everybody
- Recommended:
  - Use ANSI types: `int16_t`, `uint16_t`, etc.

# Cocoa & Objective-C 2.0

- Modern capabilities coming to Objective C
- Objective C 2.0
- Garbage Collecting
- Properties
- Cocoa/Java deprecated

# Carbon API's

- All deprecated calls prior to 10.5 will NOT be available for 64-bit compilation
- No QuickDraw
- No Pascal Strings
- No FSSpecs
- No resolution-dependent calls
- No old Mem Mgr calls:
  - BlockMove()
  - BlockMoveData()

# Discontinued Technologies

- Appearance Manager (HIThemes)
- Font Manager (Core Text)
- QuickTime C API (QTKit)
- Sound Manager (Core Audio)
- List Manager (Data Browser)
- TextEdit (HITextView)
- OpenTransport (CFNetwork)
- AppleTalk (TCP/IP + Bonjour)
- Scrap Manager (Pasteboard API's)

# Printing

- *Page Setup* going away for non-document based applications
- *Printer Setup Utility* going away
- 64-bit apps will NOT run 32-bit PDE's
- 32-bit drivers will work
- Carbon API's unavailable for 64-bit pde's
- Must use Cocoa/Objective-C
- CUPS v1.2 (or 1.3) in Leopard
- Tioga deprecated (not available in 64-bit)



# Java on Leopard

- 64-bit comes with no modification due to Java's abstraction layer
- However, 64-bit Java available only on Intel
- Cocoa/Java being dropped

# Resolution Independence

- No more drawing at the “pixel” level
- All 64-bit API's are resolution independent
- QuickDraw deprecated