



# Windows Vista™

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# Windows Vista Overview



*Find and use  
information*



*Improve security  
and compliance*



End Users



IT Pros



*Enable mobile  
workforce*



*Optimize desktop  
infrastructure*



# Windows Vista: Bringing Clarity to Your World

## *Confident*

Your company's PCs are secure, reliable and low-cost to manage

## *Clear*

Organize information effectively and focus on business

## *Connected*

Connecting people, information and devices anytime, anywhere

# Fundamentals

- Trustworthy Computing Initiative
- Improved Security Development Lifecycle (SDL) process for Windows Vista
  - Periodic mandatory security training
  - Assignment of security advisors for all components
  - Threat modeling as part of design phase
  - Security reviews and testing built into the schedule
  - Security metrics for product teams
- Common Criteria (CC) Certification

# Confident

## Start, Run And Stay More Secure

- Level 1: Internet Explorer protection mode, anti-phishing, ActiveX opt-in
- Level 2: Windows Firewall, Integrated anti-malware (Defender)
- Level 3: User Account Protection
- Level 4: Windows Service Hardening
- Level 5: Bitlocker(...)



## High-Performance And More Reliable

- Enhanced Application Compatibility
- Responsive to priority tasks and launch applications faster
- Resume from standby and boot PCs faster
- Fewer crashes, fewer hangs
- Built-in diagnostics



## Cost Effective To Deploy And Manage

- Reduce the number of images
- Patch with fewer reboots
- Greater control over clients: better client instrumentation
- Enforce company-wide power policies that reduce PC energy consumption (by adding power settings to the Group Policies)



## Secure Startup and Volume Encryption

- *Provides stronger security on your Windows client systems, even when the system is in unauthorized hands or is running a different or exploiting OS*
- *Designed specifically to prevent a thief who boots another OS or runs a hacking tool from breaking Windows file and system protections*
- **ONLY AVAILABLE WITH VISTA SOFTWARE ASSURANCE**



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# Application Compatibility

- Folder Virtualization
- Program Compatibility Assistant
- ACT 5.0 - [Video](#)
- MDOP (SoftGrid)
- Virtual PC Express (Enterprise edition)

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# Improvements in Group Policy

## More Settings, Applied more Reliably, and Easier to Use

### Category

### Key Features and Enhancements

#### Extending the Coverage

- Extend Group Policy to cover new Windows Vista features
- Improve coverage in key areas
  - Increase the number of settings from 1,800 to ~3,000

#### Ease of Use

- GPMC integrated into Windows
- Search/Sort/Filter
- Templates

#### Reliable and Efficient Application of Policy

- More secure, stable infrastructure
- Ability to sense reconnection to network for GP processing
- Control over device installations
- Support for Multiple Local GPOs
- Support for editing Group Policy settings in Multilingual Environments

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# Policies to Enforce Power Settings Drive Corporate Savings

## Power Management can Lower Operational Costs<sup>(1)</sup>

Energy management features (sleep and display blanking) translate into savings

- Compare system on 24x365 with one with energy saving features enabled
- Display blanking alone
  - 17" LCD up to **\$17/monitor** per year
  - 17" CRT up to **\$31/monitor** per year
- System sleep and display blanking together
  - Up to **\$63/system** per year

## Savings Multiply with Group Policy Management of Energy Features

Assume \$63 system idle and display blanking savings per PC

- |              |           |
|--------------|-----------|
| • 1 PC       | \$63      |
| • 1,000 PCs  | \$63,000  |
| • 10,000 PCs | \$630,000 |

Other value

- Heating / cooling savings (HVAC)
- Reduction in environmental impact

# Clear

## Smart Information Management

- Visualize information with new Live Icons and Preview Pane
- Organize data with flexible, intuitive tools such as advanced Filter Controls and Virtual Folders
- Fast enterprise-class distributed search, from a Windows Vista PC to another Windows Vista PC – and, in the future, to Longhorn Server



## Easy To Collaborate And Share

- Simplified and secure same-PC and domain sharing
- Windows MeetingSpace: (1) broadcast presentations, transfer files and chat in groups of 8-10, (2) peer-to-peer collaboration over ad-hoc wireless and infrastructure networks
- Fixed format, XML Paper Specification (XPS) document creating and viewing



## Streamlined User Experience

- Designed to scale with hardware
- Enhanced user productivity through better window management
- Modern, clean, professional look



# Clear

## Browse, Search And Subscribe With IE7

- More efficient browsing with tabs
- Easy Web search via the quick search box linked to the engine of choice
- Native support for RSS subscriptions/feeds from favorite sites
- More secure through default low rights mode



## Enhanced Tablet PC Support

- Personalized handwriting recognition
- Improved pen integration and gesture support (i.e., pen “flicks”)
- Touch-screen support

# Connected

## Secure Connectivity

- Discover, join and use networks easily and securely
- Secured, reliable, performing wireless networking
- Access applications and desktops over the Internet with no VPN (with Longhorn Server)



## Smooth Mobile Transitions



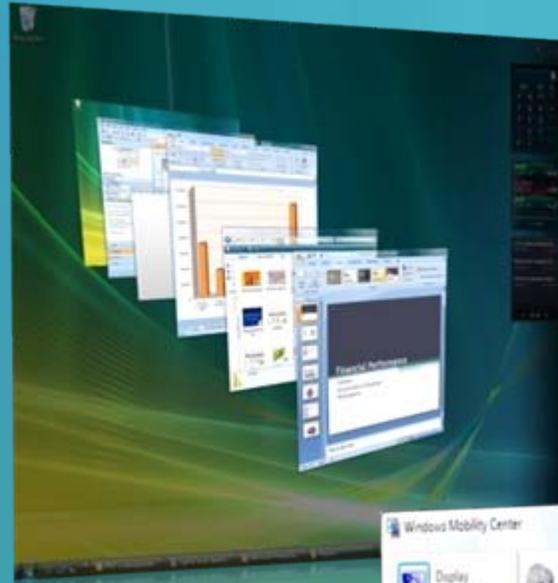
- Quick access to calendar, contact and system status data with Aux display
- Fast start-up; simplified power management
- Presentation settings: suppress IM, e-mail and system alerts, prevent screen blanking, set volume, and change background images with one click
- Windows Mobility Center: consolidated configuration of PC settings

## Unified Data And Device Synchronization

- Synchronization
- Single interface for data and device synch management
- Less bandwidth-intensive and more reliable performance with redirected/offline folders and roaming user profiles
- Future support for Windows Mobile and 3rd-party devices



# demo



 Windows Vista

# Summary of Windows Vista Security



## Stay More Secure

- Anti-malware
- Restart Manager
- Client-based Security Scan Agent
- Control over device installation

## Communicate More Securely

- Network Access Protection
- Firewall/IPSec Integration
- PnP Simple Smart Cards

## Start More Securely

- Hardware-based Secure Startup
- Full Volume Encryption
- Code Integrity

## Run More Securely

- Protected User Accounts
- Browser Anti-Phishing and Lockdown
- Behavior Blocking

# Q&A

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# Thank You

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