

Intel® IT Center 'Talk to an Expert' Webinar

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Deploying Windows 8 and Touch in the Enterprise*

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Opportunity and Challenge

Utilize Consumer Tools
Without Risk



Manage and protect fleet of
devices, apps and data



Support legacy and
new business apps



Supporting
the Right
Tool for
Employees



Delivering a secure consistent usage experience across devices

* Other names and brands can be claimed as the property of others.

Windows* 8 Options



Windows RT

Comes with Microsoft Office* Home and Student 2013 RT¹

Stay connected on the go

Windows 8

Windows* 8
Windows* 8 Single Language

Mainstream offering for consumer PCs

Windows 8 Pro

For enthusiasts and businesses that want the most from their PC

Windows 8 Enterprise (IT Build)

For large companies with IT departments

Only available through Microsoft* Software Assurance program

All Windows 8 SKUs support Touch

Source: Microsoft

¹ To use Office Home & Student 2013 RT on a Windows* RT tablet, businesses must have another, corporate-class license in place for the employee, even if the device is owned by that worker. Source: computerworld.com/s/article/9232536/_No_free_lunch_with_Office_on_Windows_RT_for_business_says_analyst

³ * Other names and brands can be claimed as the property of others.



Windows* 8 Migration: General Planning Considerations¹

1. **Rationalization and prioritization** of application portfolio critical first step
2. **Migration strategies & hardware selections** should vary based on user needs and current OS status
3. **Deployment Options**
 - **Mobile Side-by-Side:** Windows* 7/8 app compatibility on Intel® architecture makes side-by-side deployments viable
 - **BYOD Support:** Windows* 8 on Intel brings business-class manageability and security with great consumer experience
 - **Enterprise Refresh:** Upgrading Intel hardware with Windows* 7/8 maximizes value / benefits to users and IT

¹ Consult Microsoft for more detailed guidance on Enterprise OS migration
* Other names and brands may be claimed as the property of others.

Windows* 8 Migration:

A wide range of OS and device strategies


Specific Planning Scenarios and Deployment Suggestions
based on current OS environment¹

Current Operating System	New Operating System Strategy	Hardware & Device Strategy
Windows* XP	<p>Make move to Windows* 7 or Windows 8 a priority</p> <p>End of Windows* XP support April 2014</p>	<p>Windows* 8: Intel Tablets + Ultrabook™ convertible</p> <p>Windows* 7: Intel Ultrabook™ laptop, AIO desktop</p> <p>Touch Enabled Devices future proof all devices during next refresh window</p>
Windows* XP → Windows* 7	<p>Finish Windows* 7 transition.</p> <p>Deploy Windows* 8 Pro & Enterprise side-by-side</p>	
Windows* 7	<p>Windows* 8 Pro & Windows 7 side by side</p>	

1. Consult Microsoft for more detailed guidance on Enterprise OS migration
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Intel IT and Windows 8 white papers

IT@Intel White Paper
Intel IT
IT Best Practices
Windows* 8 and Compute Continuum
January 2013



Deploying Microsoft Windows* 8 in the Enterprise

Windows* 8 on Intel® architecture-based devices enable users to perform both touch and traditional client-based computing on a single device that is well optimized for performance, mobility, security, and long battery life.

Executive Overview

Intel IT is standardizing on Windows* 8¹ as the primary operating system for business Ultrabook* devices and Intel® architecture-based tablets. Although we are accelerating the deployment readiness for business Ultrabook devices and tablets, we also intend to make the new OS available for laptop and desktop PCs. Our plan is based on six months of extensive analysis and testing of Windows 8, including a pilot of over 300 users. For the deployment of Windows 8, we will utilize previous experience from our global enterprise migration to Windows 7, completed in 2011.

Not just a traditional OS update, Windows 8 represents a significant shift in device interaction, focusing on touch. Windows 8 combines mainstream enterprise client computing and a touch-driven experience on a single platform. This combination can be best realized on Intel® architecture-based devices that enable users to perform both touch and traditional client-based computing on a single device. Benefits of Windows 8 on Intel architecture include the following:

- Faster start times
- Improved battery life
- Better responsiveness
- Improved connectivity


¹ Windows 8 Enterprise edition will be used for the standard IT build, with Windows 8 Professional and Windows 8 being options for certain segments of Intel employees (see Windows 8 versions in Use string table for more information). Throughout this paper, we will use the term "Windows 8" to refer generically to all three variants unless more detail is required. For a discussion of Windows 8 Enterprise, refer to www.microsoft.com/windows/enterprise/products-and-technologies/windows-8/enterprise-edition.aspx.

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IT@Intel Brief
Intel IT
Information Security and Enterprise Mobility
January 2013




Evaluating Microsoft Windows* 8 Security on Intel® Architecture Tablets

- Tablets running on Intel® architecture with Microsoft Windows* 8 are both enterprise-ready and consumer-friendly
- Intel IT benefits from enhanced device management and information security capabilities
- Employees benefit from an improved user experience

Intel IT is currently evaluating the information security and privacy protection features of Intel® architecture-based tablets running Windows* 8 Enterprise.¹ Our initial evaluations indicate that, together, Windows 8 and Intel® architecture provide a compelling platform for mobile devices in the enterprise, balancing enhanced information security capabilities with consumer-friendliness. We evaluated both an Intel® Atom™ processor-based tablet and an Intel® Core™ vPro™ processor-based tablet.

During our testing, we determined the combination of Windows 8 and Intel architecture offers flexible device management with enhanced security features, such as domain joining and group policies, and out-of-band management capabilities on Intel Core vPro processor-based tablets, when compared with those currently deployed in Intel's environment. Both tablets we tested offer support for alternative authentication options, such as biometrics, and support for legacy enterprise applications. The Intel Core vPro processor-based tablet also offers hardware-assisted security through Intel® Identify Protection Technology and support of Intel® Anti-Theft Technology.

¹ We tested Windows 8 Enterprise. Other versions of Windows 8, such as Windows 8 Professional, will be made available to certain segments of Intel employees. For a discussion of Windows 8 Enterprise, refer to microsoft.com/windows/enterprise/products-and-technologies/windows-8/enterprise-edition.aspx. For the rest of this paper, we will refer to Windows 8 Enterprise as Windows 8.



Support for Information Security on Intel® Architecture-based Tablets

Device management | Authentication | Support for legacy applications | Protection for lost or stolen devices

Intel® architecture-based tablet running Windows* 8

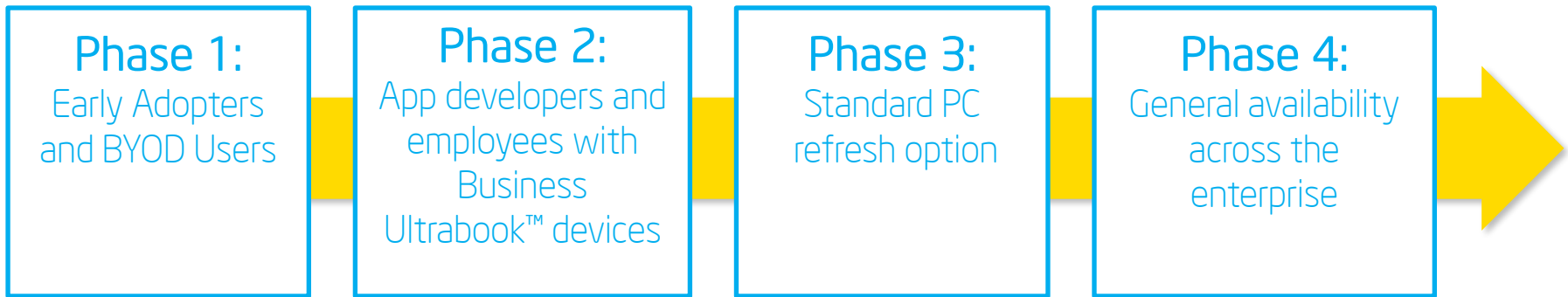
Figure 1. The features and benefits that we investigated comprise four categories.

These and more available at www.intel.com/IT

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Intel IT: Windows* 8 Deployment Plans



- Intel IT completed Windows* 7 transition in 2011
- Intel Windows* 8 deployment will progress in four stages.
- This phased deployment helps to make a smooth transition to the new operating system.
- We anticipate that about 15,000 Intel employees will have a Windows 8 system by the end of 2013.

Delivering Greater Choice with Secure Access

Intel IT Introducing a New Premium "BYO" Service

Corporate Standard Primary Device

- IT Supplied
- IT Managed
- Fully Integrated



Windows 7* & Windows* 8 Enterprise

- Business Ultrabook (2013)
- Business Laptop
- Business Desktop

NEW 2013 Premium Service Companion Device

- BYO & Dept. Owned
- IT Managed
- Corporate Network Access



Windows 7* & Windows* 8 Pro

- Business Tablets
- Consumer Ultrabook
- Consumer Laptop PC

Basic Service Companion Device

- BYO & Dept. Owned
- IT Registered
- Limited Access
(email, calendar ...)

Wide Choice of Consumer Devices &
Consumer OS's

- Smart Phones
- Consumer Tablets
- Business Tablets

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Enterprise Tablet Adoption Considerations

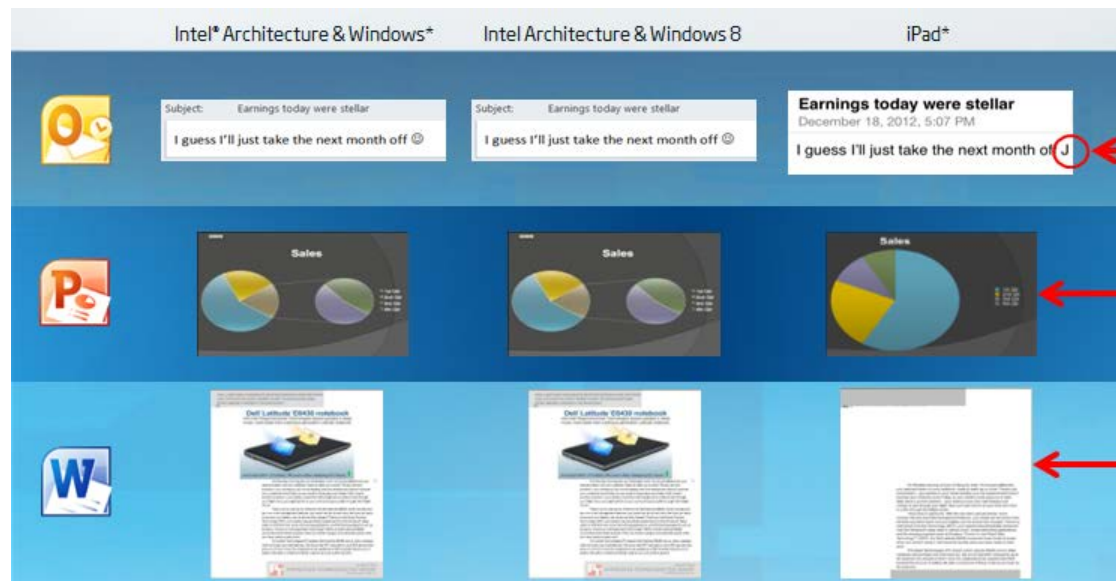
User Productivity

- User Multi-tasking



- Cross Device Experiences/
Content Decay

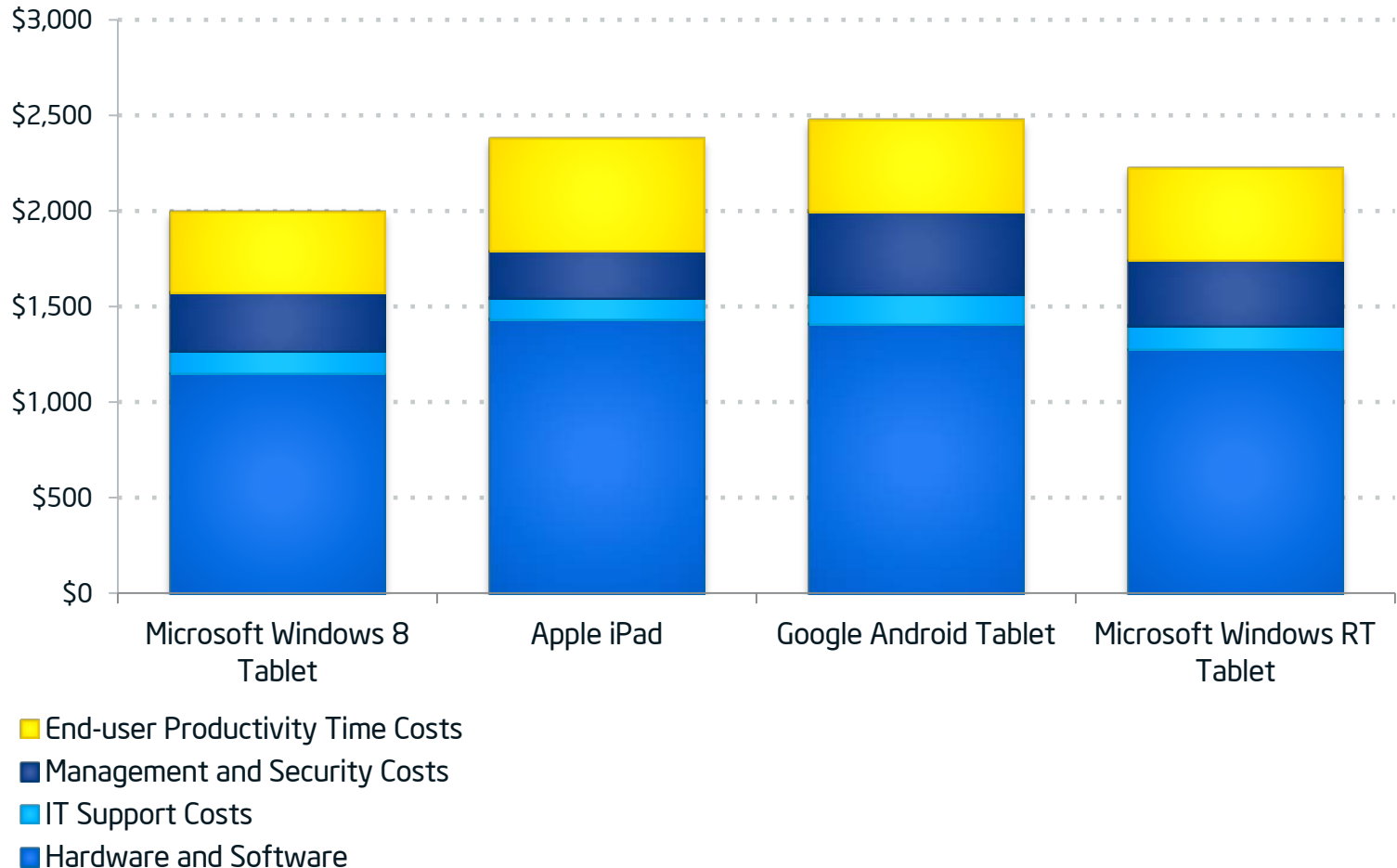
- Email: Font Translation
- Presentations: Graphs not displayed as intended
- Word Processing: Headers, Footers, and graphics not displayed as intended



Enterprise Tablet Adoption Considerations

Total Cost of Ownership

Two-year TCO Example



Mobile Application Development

- Off-the-shelf business applications available today through Windows*8 store
- More coming through MAAP (Microsoft* Application Acceleration Program)
- Many IT organizations are developing their own Enterprise Applications stores



Microsoft Application Acceleration program



The Microsoft Application Acceleration offering is a new segment of the Windows Accelerate program and is designed to help more customers take advantage of powerful new features and development opportunities for the Windows 8 operating system. The program consists of three customer offerings, all focused on building apps: Proof of Concept, Production Pilot, and Design Starter Kit. To participate in Microsoft Application Acceleration, you must qualify as a Microsoft App Factory partner.

Talk to an Expert: Question & Answer



Today's experts:

Tiffany Pany, Windows 8 Program Manager, Intel IT

David Scheer, Business Mobile Solutions Manager, Intel Software Solution Group

Moderator:

Chris Peters, Business Strategist, Intel Corporation

More information:

- Check out the **Intel IT Center**, a valuable source of unbiased, relevant information to help you meet your most challenging IT demands:

www.intel.com/itcenter

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Our next topic is *Turning Big Data into Big Answers*