

Windows 7 horizons at CERN

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- **Microsoft officially released Windows 7 on October 22nd, 2009**
- **We have been evaluating early versions of Windows 7 since January 2009**

So we want to share:

- **Our experience**
- **Issues encountered and solved**
- **Our deployment plan**

- **Beta version released in January '09**
- **RC version released in May '09**
- **RTM version available since August '09**
- **Microsoft officially released Windows 7 on October 22nd**

- **Feedback received from test users very positive:**
 - ◆ **Responsive**
 - ◆ **Stable**



Outlook 2007 HTTPs problems



**DFS disconnects and offline files
instabilities**



**Error messages when installing
Office products**



Logon time



Adobe reader instabilities

- **Only slight infrastructure changes have been required at CERN for Windows 7**
 - ◆ KMS upgraded for activation of Windows 7 (KB968912)
 - ◆ WSUS upgraded to version 3.0 SP2
 - ◆ Windows 7 installation image customized to fit our infrastructure
 - ◆ Group policy settings and logon scripts reviewed
- **In fact, Vista paved the way for Windows 7 at CERN**

- **For Windows 7 32-bit:**

	Microsoft	CERN Recommendations (*)
Memory	1 GB	2 GB (**)
Disk Size	16 GB	60 GB (***)
CPU	1 GHz	1 GHz

(*) **Equal or less than for Vista**

(**) 1 GB memory is enough if Windows 7 is configured without the AERO user interface

(***) 60 GB disk space for typical set of CERN supported applications

- **For Windows 7 64-bit:**

	Microsoft	CERN Recommendations
Memory	2 GB	4 GB (*)
Disk Size	20 GB	60 GB
CPU	1 GHz	1 GHz

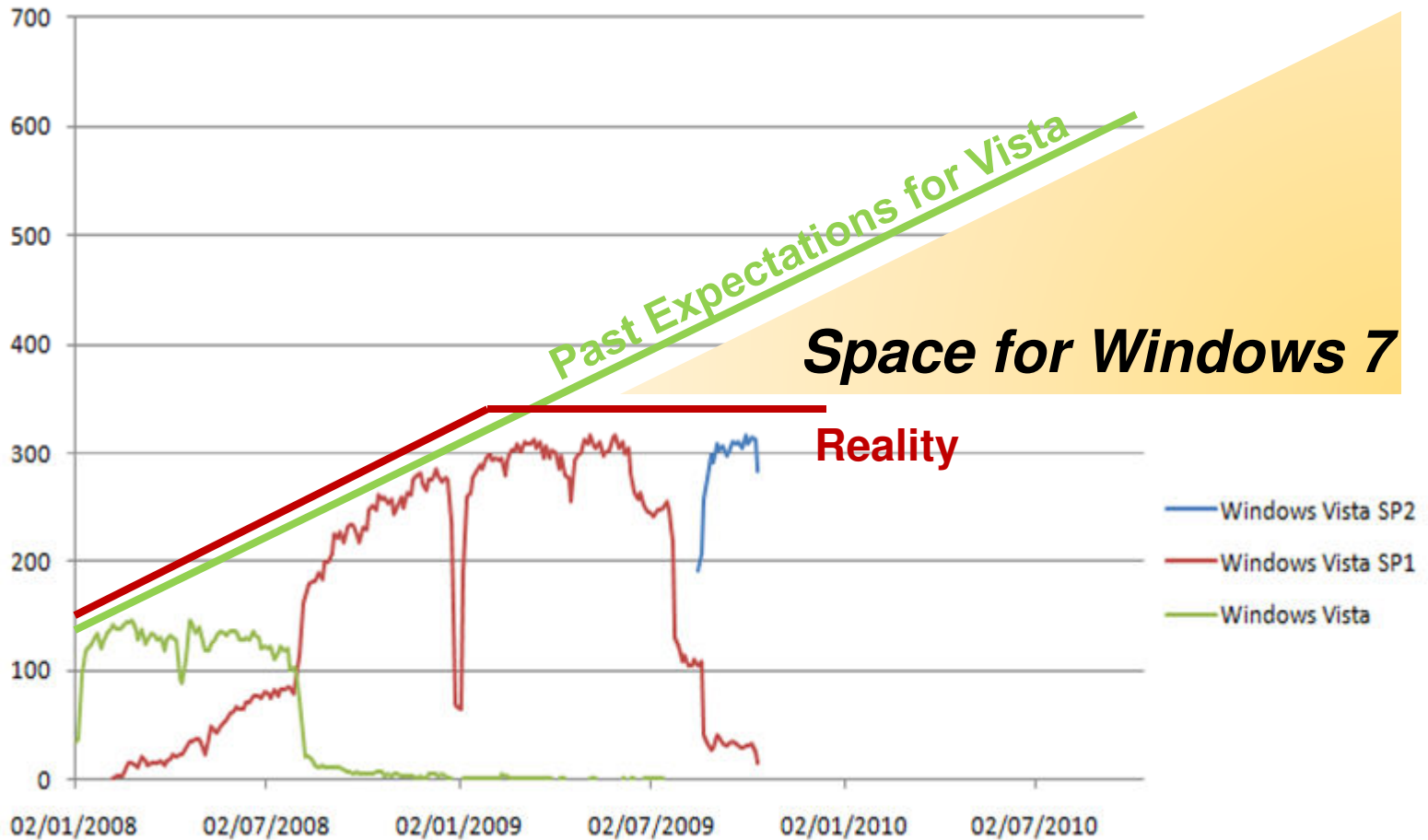
(*) **Main motivation of installing a 64-bit OS is to support higher memory configurations**

One may find quotes for whatever point of view:

- ***„84% of corporate IT do not have plans to upgrade to Windows 7 in the next year”***
- ***„We’ll wait until SP1!”***

- ***„50% of companies plan to upgrade to Windows 7 as soon as it is available”***
- ***„46% expect to start the upgrade still in 2009”***

- **6000 managed Windows PCs**
- **Currently 3 supported versions of Windows for desktop computers:**
 - ◆ XP 32-bit
 - ◆ Vista 32-bit (~300)
 - ◆ Vista 64-bit (~40)
- **We observe a growing demand for 64-bit Windows OS for desktop computers**
- **Clear interest for Windows 7 among our user community**



— Windows Vista SP2
— Windows Vista SP1
— Windows Vista

Strategy of containing costs and minimising user disturbance:

- **We aim at supporting only 2 major Windows versions in the long term**
- **Progressive evolution favoured**
 - In order to avoid forced migration (always a huge effort, disturbance for users)
- **Early availability to reduce the overall effort**

- **In April 2009, Windows XP entered “Microsoft Extended Support”**
 - i.e. no Hotfixes for XP anymore
 - Only security updates for XP
 - This will definitively stop in April 2014.
- **Therefore 2014Q1 is the absolute deadline for having phased out Windows XP completely**
 - This will be coordinated with user communities at CERN

- **2009Q4**
 - ◆ Validate core office applications on Windows 7
 - ◆ Validate most recent CERN standard PC models
 - ◆ Windows 7 installable over the network
- **2010Q1**
 - ◆ Validate remaining applications
 - ◆ Update documentation and training offers
 - ◆ Start Window 7 service (32- and 64-bit)
- **2010Q2**
 - ◆ Windows 7 as default Windows version for new installations at CERN on supported hardware
 - ◆ No new Windows Vista installations
- **2010Q3**
 - ◆ Phase out Windows Vista at CERN
- **2010Q4**
 - ◆ Define roadmap for ending support of XP at CERN

- **The feedback received from Windows 7 test users at CERN is very positive**
- **Early problems have been solved**
- **We plan a progressive adoption of Windows 7 at CERN starting 2009Q4**