



# Windows 7: Fit für den Einsatz?

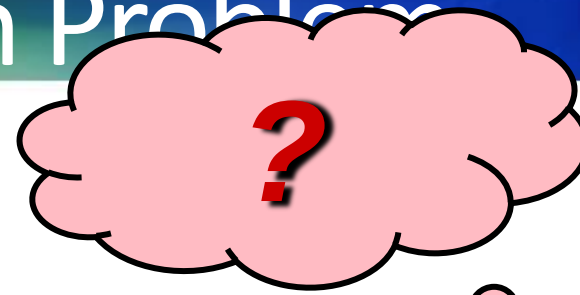
Nils Kaczenski

WITcom, Seelze, 4. Juni 2009

it.emsland, Lingen, 11. Juni 2009



# Frau Bogen hat ein Problem



Hallmackenreuther GmbH



Mark Hallmackenreuther



Ellen Bogen

# Wer vor Ihnen steht

- Nils Kaczenski
- Leiter Consulting & Support  
WITcom Hannover
  - Windows, Exchange, SQL
  - Verfügbarkeit, Sicherheit
  - Strategische Beratung
  - Projektleitung
- Fachautor Windows
  - Microsoft Press
  - iX, c't, IT-Administrator
- Nils.Kaczenski@witcom-hannover.de



# What Is The Springboard Series

## Inside of Microsoft we are:

- A turnkey IT pro engagement platform for depth & breadth
- The program to mobilize MS marketing & field to focus on desktop OS IT pros

## To the IT pro, our goal is:

- Be the definitive resource for Desktop IT pros
  - Open, honest; show don't tell
  - Information at right time, right level across Adoption Lifecycle

The Springboard Series IT pro experience offers dynamic content and structured guidance across the adoption lifecycle

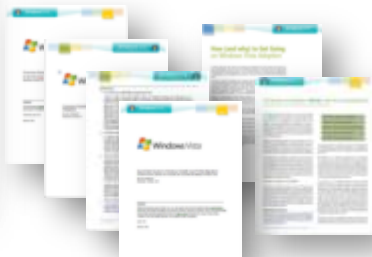


## Weekly, Monthly and Quarterly Rhythm of Topical Content

Virtual Roundtable Events



Monthly Feature Articles & Guides



Event Kits (Win 7 updates) and messaging



Weekly Targeted IT Pro Drive-time Podcasts



TechCenter in 10 languages



# Springboard Series on TechNet: The Key Resource for IT Pros

**Microsoft TechNet** Search TechNet with Live Search

Windows Client TechCenter  
Home Windows XP Windows Vista Library

Discover and Explore Pilot and Deploy Manage Advancing Desktop Management

Printer Friendly Version Add To Favorites Send

Click to Rate and Give Feedback

TechNet TechCenter Windows Client TechCenter Windows Vista

### Windows Vista Springboard Series of Resources

Discover Explore Pilot Deploy Manage

- How (and Why) to Get Going on Windows Vista Adoption
- Deployment Stories and Case Studies
- Five Ways Windows Vista Makes Deployment Easier
- More...

- Five Windows Vista Adoption "Gotchas": Tips from Early Adopters
- Overview Series: How to Pilot Windows Vista
- Desktop Deployment Planning Services
- More...

- Windows Vista Management Features and Improvements
- Group Policy Settings Reference for Windows Vista - Download
- Webcast: Windows Vista Group Policy Management
- More...

### Top Tasks

- Application Compatibility and UAC
- Imaging
- Hardware Compatibility and Performance
- Desktop Security and Encryption
- Networking
- Volume Activation

### Downloads

- Windows Vista Service Pack 1
- Windows Server 2008/Windows Vista SP2 Beta CPP
- Windows XP Service Pack 3
- Find more downloads...

### Support

- Free support for Windows Vista Service Pack 1 issues
- Home and Office PC Support
- Other support resources...

### Learn

- What's New in Windows Vista
- Windows Vista Service Pack 1 Deployment Guide
- Windows Vista Developer Center
- Learn more...

### Community

- Forums
- Blogs
- Explore the Windows community...

### Featured Resources

#### First Look at Windows 7

Learn about some of the highlights of Windows 7 for the IT professional including improvements in manageability, security and compliance, and deployment. Check out the [Springboard Series Blog](#) for details.

#### Announcements

##### Customer Preview Program (CPP) for Windows Vista Service Pack 2 (SP2)

Get details on the Customer Preview Program (CPP) and find out what's inside--and what's important--in Windows Vista SP2.  
Tuesday, Dec 2

#### Latest Content and Expert Advice

Mark Russinovich is a Technical Fellow in the Platform and Services Division at Microsoft. He is a widely recognized expert in Windows operating system internals, as well as operating system architecture and design.

- Windows Vista Performance Roundtable
- Technical Chat with Mark Russinovich Part 1 - Part 2

#### This Month's Spotlight

- Getting Started with Microsoft Application Virtualization
- Windows Vista Performance and Tuning

### Community

#### Windows Vista Blogs

**Mark Russinovich**

**Pushing the Limits of Windows: Virtual Memory**

In my first Pushing the Limits of Windows post, I discussed physical memory limits, including the limits imposed by licensing, implementation, and drrl... [More...](#)  
Monday, Nov 17 by markrussinovich

**Windows Vista Team Blog**

**Announcing the Windows Vista and Windows Server 2008 Service Pack 2 Customer Preview Program (CPP)**

Hi, Mike Nash here. In late October I announced the Beta

#### Windows Vista Forums

**Windows Vista Announcements**

**This Forum Has Moved! Visit the New Forums Platform Today!**

Microsoft has created a new forums platform (MSDN, TechNet, Expression, and Microsoft) with increased performance, stability, and an improved user exp... [More...](#)  
Friday, Dec 12 by Alicia-STO

**Windows Vista SP2**

**This Forum Has Moved! Visit the New Forums Platform Today!**

Microsoft has created a new forums platform (MSDN,

Adoption lifecycle assets: right level, right time

"Zones" for top tasks

Weekly & Monthly dynamic content

Springboard Series Blog—dynamic updates

Top assets: downloads, learning

Community blogs, forums



[www.microsoft.com/springboard](http://www.microsoft.com/springboard) (in 10 languages)



# Was Sie erwartet

- „7“ – das neue Windows
- Cool & schnell: Neues GUI
- Ich will doch nur arbeiten: Applikationen & Kompatibilität
- Tech Inside: Windows 7 für Admins

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# Alles neu & alles besser

- Windows 7 ist
  - moderner
  - sicherer
  - schneller
- Microsoft möchte
  - zurück in die Firmen
  - ein modernes Windows auf Netbooks

# Fast! How Fast ??

| AMD Phenom 9700 / Radeon 3850 / 4GB RAM |    |       |    |
|-----------------------------------------|----|-------|----|
|                                         | XP | Vista | 7  |
| Install OS                              | 3  | 2     | 1  |
| Boot up                                 | 3  | 2     | 1  |
| Shut down                               | 2  | 3     | 1  |
| Move 100MB files                        | 3  | 2     | 1  |
| Move 2.5GB files                        | 2  | 3     | 1  |
| Network transfer 100MB                  | 2  | 3     | 1  |
| Network transfer 2.5GB                  | 3  | 2     | 1  |
| Move 100MB files under load             | 2  | 3     | 1  |
| Move 2.5GB files under load             | 3  | 2     | 1  |
| Network transfer 100MB under load       | 3  | 2     | 1  |
| Network transfer 2.5GB under load       | 3  | 2     | 1  |
| Compress 100MB files                    | 2  | 3     | 1  |
| Compress 1GB files                      | 3  | 2     | 1  |
| Extract 100MB files                     | 3  | 2     | 1  |
| Extract 1GB files                       | 3  | 2     | 1  |
| Install Office 2007                     | 3  | 1     | 2  |
| Open 10 page Word doc                   | 2  | 3     | 1  |
| Open 100 page Word doc                  | 3  | 2     | 1  |
| Open simple Excel doc                   | 2  | 3     | 1  |
| Open complex Excel doc                  | 3  | 2     | 1  |
| Burn DVD                                | 3  | 1     | 2  |
| Open 10 page PDF                        | 2  | 3     | 1  |
| Open 100 page PDF                       | 3  | 2     | 1  |
| Score (less is better)                  | 61 | 52    | 25 |

# Windows 7: Geschmacksrichtungen

- Sechsmal 7 = 42 ...
  - Starter Edition
  - Home Basic (*nicht weltweit*)
  - Home Premium
  - Professional
  - Enterprise (*weiterhin nur mit SA*)
  - Ultimate
- Features sind kumulativ

# Summary of Major Features by SKU

| Key Features                                         | Windows® 7 Starter          | Windows® 7 Home Basic<br>(EM only) | Windows® 7 Home<br>Premium | Windows® 7<br>Professional | Windows® 7 Enterprise/<br>Windows® 7 Ultimate |
|------------------------------------------------------|-----------------------------|------------------------------------|----------------------------|----------------------------|-----------------------------------------------|
| Improved Windows® Taskbar & Jump Lists               | √                           | √                                  | √                          | √                          | √                                             |
| Windows® Search                                      | √                           | √                                  | √                          | √                          | √                                             |
| Join a HomeGroup                                     | √                           | √                                  | √                          | √                          | √                                             |
| Windows Media® Player                                | √                           | √                                  | √                          | √                          | √                                             |
| Back-up & Restore                                    | √                           | √                                  | √                          | √                          | √                                             |
| Action Center                                        | √                           | √                                  | √                          | √                          | √                                             |
| Device Stage™                                        | √                           | √                                  | √                          | √                          | √                                             |
| Enhanced home media streaming, including Play To     | √                           | √                                  | √                          | √                          | √                                             |
| Application Capabilities                             | Up to 3 concurrent programs | Unlimited                          | Unlimited                  | Unlimited                  | Unlimited                                     |
| Live Thumbnail Previews from Taskbar                 |                             | √                                  | √                          | √                          | √                                             |
| Fast User Switching                                  |                             | √                                  | √                          | √                          | √                                             |
| Create ad-hoc wireless networks                      |                             | √                                  | √                          | √                          | √                                             |
| Internet Connection Sharing                          |                             | √                                  | √                          | √                          | √                                             |
| Aero® Glass & advanced Window navigation             |                             |                                    | √                          | √                          | √                                             |
| Windows® Touch (Multi-touch and handwriting support) |                             |                                    | √                          | √                          | √                                             |
| Create a HomeGroup                                   |                             |                                    | √                          | √                          | √                                             |
| Windows® Media Center                                |                             |                                    | √                          | √                          | √                                             |
| DVD Video playback and authoring                     |                             |                                    | √                          | √                          | √                                             |
| Location Aware Printing                              |                             |                                    |                            | √                          | √                                             |
| Domain Join & Group Policy Controls                  |                             |                                    |                            | √                          | √                                             |
| Remote Desktop Host                                  |                             |                                    |                            | √                          | √                                             |
| Advanced Back-up (Network & Group Policy)            |                             |                                    |                            | √                          | √                                             |
| Encrypting File System                               |                             |                                    |                            | √                          | √                                             |
| BitLocker™ & BitLocker To Go™                        |                             |                                    |                            |                            | √                                             |
| AppLocker™                                           |                             |                                    |                            |                            | √                                             |
| DirectAccess                                         |                             |                                    |                            |                            | √                                             |
| BranchCache™                                         |                             |                                    |                            |                            | √                                             |
| MUI Language Packs                                   |                             |                                    |                            |                            | √                                             |

# Mal eine Frage ...

- Top 10 Fragen zu Windows 7:
  - Wann erscheint Windows 7?
  - Wann erscheint Windows 7?
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  - Wann erscheint Windows 7?
  - Wann erscheint Windows 7?
  - Wann erscheint Windows 7?
- Microsoft-Blog: RTM im Juli, Verkauf ab 22. Oktober

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# ... anfassen!

## demo

-  Startmenü und Taskleiste
-  Aero
-  Explorer
-  Search Federation
-  Special: Versionsnummer von Windows 7

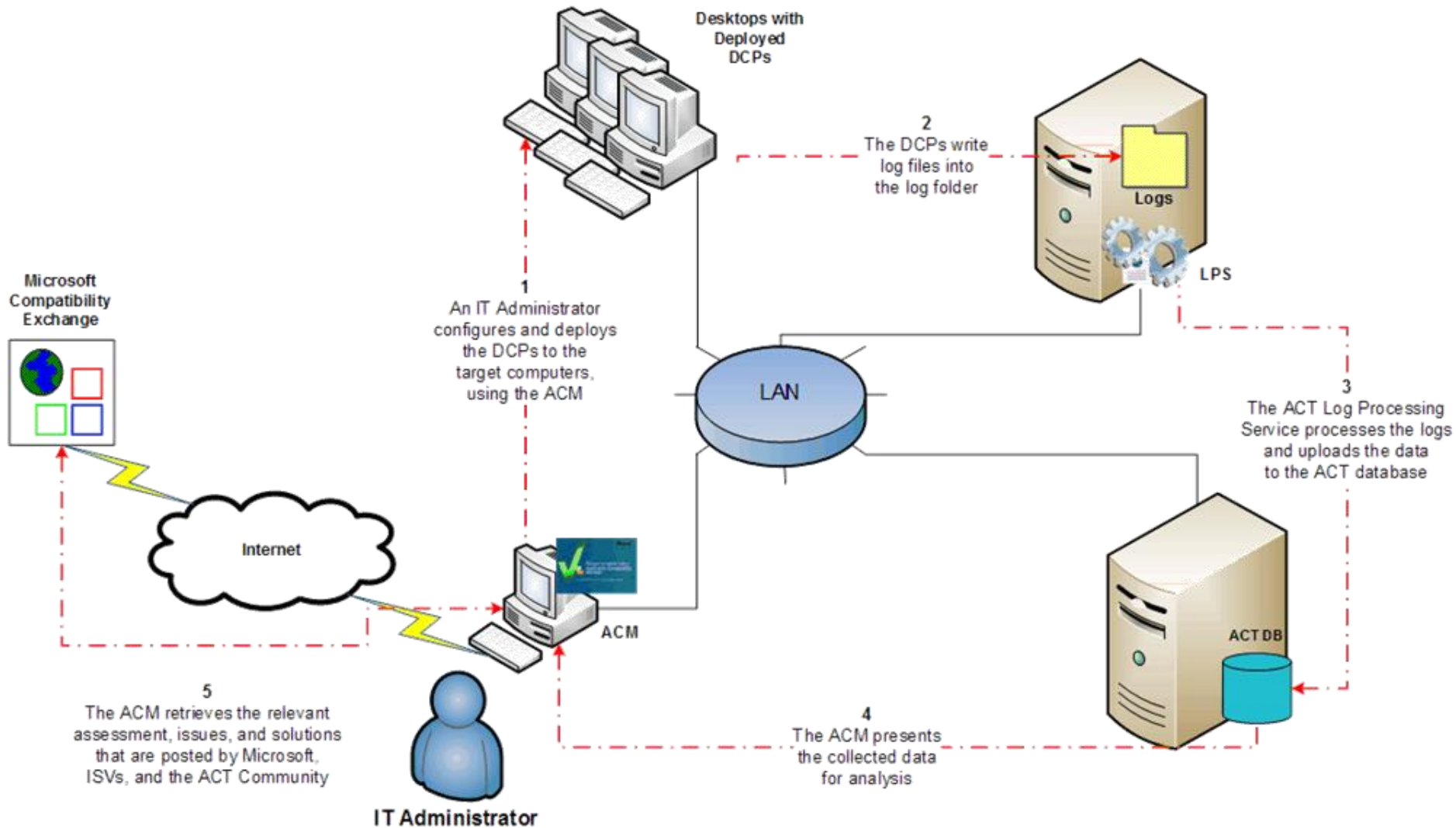
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# Applikationen & Kompatibilität

- Windows 7 ist kompatibel zu Windows Vista
  - Kompatibilität mit XP ist nicht das Ziel
- Kompatibilitätshilfen
  - Shims
  - XP Mode
- Umfassende Treiberausstattung
  - Per Setup enthalten
  - Windows Update
  - Drittanbieter
- Microsoft Assessment and Planning Toolkit
- Application Compatibility Toolkit

# ACT: Vorher Bescheid wissen



# Die Welt existiert doch schon

- Migration nach Windows 7
  - Direkt von Windows Vista
  - Indirekt von Windows XP
- User State Migration Toolkit
  - Für Unternehmen
  - Sammelt Benutzerdaten
  - In-place Update oder Migration auf neuen PC
  - Hard-link Migration spart Zeit
- Windows Easy Transfer
  - Für Endbenutzer oder Einzelrechner
  - Funktionen ähnlich dem USMT

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# Sorgenschießen

- Wartungscenter
  - Sammelt Meldungen
  - Zentrale Anlaufstelle
- Troubleshooting Plattform
  - Eingebaute Assistenten zur Problembehebung
  - „User Desired State“
  - Erweiterbar: Troubleshooting Kits
- Problem Step Recorder
  - Hilfsmittel für Helpdesk
  - Benutzer reproduziert Problem, Windows erzeugt Report
  - Helpdesk analysiert Report und behebt Problem



# ... anfassen!

## demo

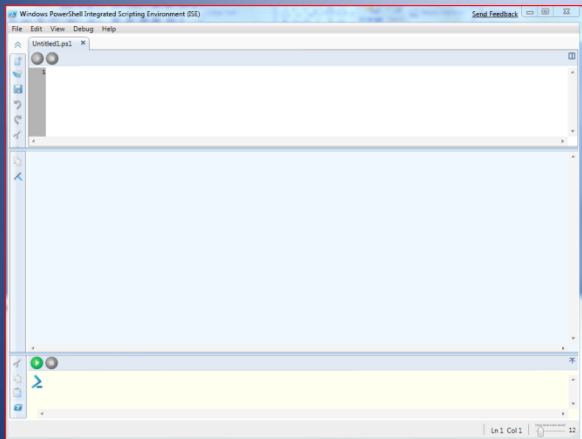
-  Wartungscenter
-  Troubleshooting
-  Problem Step Recorder

# Seven is Admin's Heaven

- RSAT schon seit der Betaphase!
  - Erinnert sich jemand an XP?
  - ... oder gar Vista?
- PowerShell enthalten
  - PowerShell ISE
  - PowerShell Remoting
  - PowerShell Logonscripts
- Gruppenrichtlinien und GPP

# Powershell 2.0

## Neuartige Kommandozeile und Skriptsprache



- Zentrales Werkzeug für Kontrollaufgaben
- Beschleunigt automatisierte Administration
- Leicht zugänglich
- Großer Fundus fertiger Skripts
- Community-Modell

## Neue Features

- Grafische PowerShell
- Sicherheit verbessert
- Portabilität
- Neue Cmdlets

## Integration

- Active Directory Administration Center
- IIS
- Energie-Management
- Remote 1:n mit WS-MGMT

# ... anfassend!

## demo

-  RSAT
-  PowerShell
-  Gruppenrichtlinien

# Lieferservice

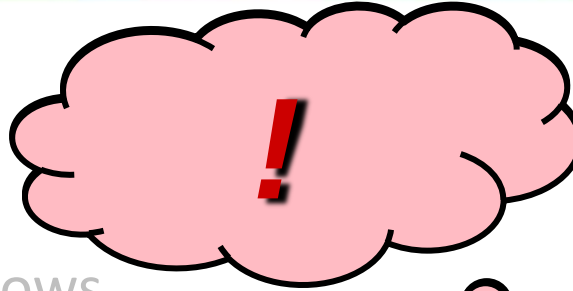
- Automatische Installation
  - Image-basierte Installation (WIM)
  - Angepasste Images und Automatisierung
  - DISM: Offline-Pflege der Images
  - Dynamic Driver Provisioning
- Boot from VHD
- Support für virtuelle Desktops
  - Aero Glass per RDP
  - Multi-Monitor
  - Multimedia bidirektional

# ... anfassend!

## demo

-  VHD-Integration
-  Boot from VHD
-  XP Mode

# Fragen



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# What is TechNet Plus?

**TechNet Plus Subscriptions** – a comprehensive tool kit for IT Pros to help evaluate, deploy, and support Microsoft products



***Build Technical skill  
Boost Productivity  
Fully evaluate Microsoft  
Solutions***



## **Evaluate & Learn**

- Full-version evaluation software without time limits on over 70 products
- Access to Beta software
- Build technical skills with E-learning courses



## **Plan & Deploy**

- Technical information library
- Two free technical support calls & 20% discount on additional support calls
- TechNet Magazine (for US, Canada and UK only)



## **Support & Maintain**

- Managed Newsgroups
- Online concierge chat
- Security updates, tools and utilities

# Mehr Fragen? Mehr Antworten!

- Nils.Kaczenski@witcom-hannover.de
- WITcom High-End-Workshops
- Microsoft TechNet: Tech Day in Hannover am 16. Juni 2009
  - Windows 7 & Windows Server 2008 R2
  - Seminare, Chalk Talk, Networking
  - <http://www.event-team.com/events/techday/>