



Brussel, March 13th, 2009



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Virtual Desktop & Cloud Computing Security Challenges

- Definition : Virtual desktop infrastructure (VDI) is the practice of hosting a desktop operating system within a virtual machine (VM) running on a centralized server. VDI is a variation on the client/server computing model, sometimes referred to as server-based computing (SBC). (Techtarget, based upon VM Ware's definition)
- Virtualization technologies :
 - Application virtualization
 - Emerging virtualization technologies : mobile phone virtualization
 - Hardware virtualization
 - Host-based virtualization
 - Operating-system (OS) level virtualization
 - Paravirtualization : guest OS is recompiled prior to installation inside a virtual machine
 - Virtualization and the hypervisor
 - ...

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Virtual Desktop & Cloud Computing Security Challenges

- Definition : Cloud computing is a computing paradigm in which tasks are assigned to a combination of connections, software and services accessed over a network. This network of servers and connections is collectively known as "the cloud." Computing at the scale of the cloud allows users to access supercomputer-level power. Using a thin client or other access point, like an iPhone, BlackBerry or laptop, users can reach into the cloud for resources as they need them. For this reason, cloud computing has also been described as "on-demand computing."
- Examples of offers :
 - Amazon.com
 - Google
 - Yuntaa

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Virtualization Security

IT-top: 'Cloud computing niet veilig genoeg'

Infoworld, March 4th, 2009

CEO dwingt CIO nu al tot cloud-computing

Managers Online, March 3rd, 2009

Gartner touts enhanced security for virtual environments

SC, Jsep 23rd, 2008

Gartner: Seven cloud-computing security risks

Cloud computing is picking up traction with businesses, but before you jump into the cloud, you should know the unique security risks it entails

InfoWorld, July 2nd, 2008

1. Privileged user access.
2. Regulatory compliance.
3. Data location.
4. Data segregation
5. Recovery
6. Investigative support
7. Long-term viability

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Virtualization a vendor perspective

Worldwide virtualisation software revenue will increase 43 per cent from 1.9 billion (£1.3 billion) in 2008 to \$2.7 billion (£1.9 billion) in 2009 (Gartner, February 18th, 2009)

Market Leaders

1. The brand leader to be challenged:
VMWare – acquisitions of Thininstall and b-hive
2. The mass market leader:
Microsoft - through the Connectix acquisition
3. The remote desktop leader:
Citrix - through the Xen acquisition
4. The oldest brand name:
IBM
5. The network name:
SUN Microsystems

Challengers

1. Portableapps
2. U3
3. Ceedo
4. Mojopack
5. Encryptakey
6. Ironkey
7. Becrypt
8. Secuware

Most focus on the portability

Few focus on the security

LSEC Eddy Cormon, June 6th, 2008

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Agenda

- 10.00h : Introduction, opening notes and agenda of the day
- 10.10h : Isn't Virtsec just a way for the security people to jump on the Virtualization hype ? Isn't Cloudsec just a way for the security people to jump on the Cloude hype? An example of OpenQRM.
By Kris Buytaert, Inuits
- 11.00h : issues related to Cloud computing and Virtualisation
By Philippe Massonet, CETIC
- 12.00h : Sandwich lunch

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Agenda

- 12.50h : Yes to virtualization . . . but not without protection
By Arno Brugman, Senior Principal Consultant, CA
- 13.45h : From virtualization hype to day to day use, the reality of security of virtualization and a strategy for the future of a secure datacenter
By Jan Tiri, VMWare
- 15.15h : Coffee Break & Networking
- 15.45h : Securing the Virtual Environment
By Johan Celis, Security Solutions Architect, IBM ISS EMEA
- 16.35h : Keynote : Virtualization and security: what does it mean for me?.
Kai Axford (CISSP, MCSE-Security) is a Senior Security Strategist in Microsoft's Trustworthy Computing Group.
- 17.50h : Panel discussion
- 18.30h : Networking, Drinks & Snacks

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Practical



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Agenda 2009

- 24.03.2009 : RSA's eFraud investigation team (invitation only)
- 25 – 26.03.2009 : Infosecurity.be 2009
- 09.04.2009 : DLP revisited (in collaboration with Agoria ICT)
- 28.04.2009 : LSEC BCM 3 : Compliance Revisited
- 28.04.2009 : Agile Awards (invitation only – by ACA-IT)
- 30.04.2009 : Outsourcing & Security
- 07.05.2009 : Annual Meeting & Special Event
- 18.05.2009 : Information Security Standards :
Identity Management Standards
- 19.05.2009 : Information Security Management & RBAC
- 21.05.2009 : Secure SOA
- 26.05.2008 : Video Surveillance Seminar (together with ECSA)
- 09.06.2009 : Fraud Management Seminar 2009
- 11.06.2009 : VoIP Security (together with BELTUG)
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AN EVENT ON SUCCESSFUL SOFTWARE DEVELOPMENT

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PALAIS DE PLUMES, ITTRE

APRIL 28th

INTERNATIONAL GUEST SPEAKER
DAVID J. ANDERSON

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- 14:30 | Reception & Welcome
- 15:15 | Keynote by David J. Anderson
- 16:00 | Workshop Approaching Agility
- 16:45 | Agile Awards Ceremony
- 17:25 | Exclusive Dinner
- 19:25 | Open bar
- 21:25 | End of Event

Agile software development from a manager's perspective
Learn from successful cases and partners
Extend your agile network



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