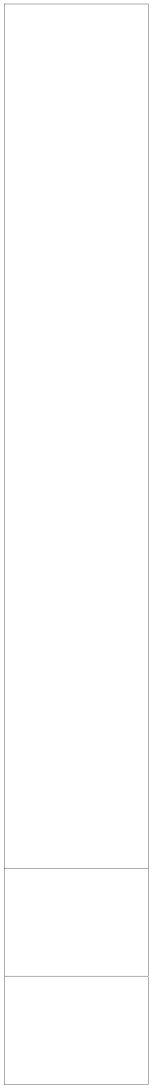
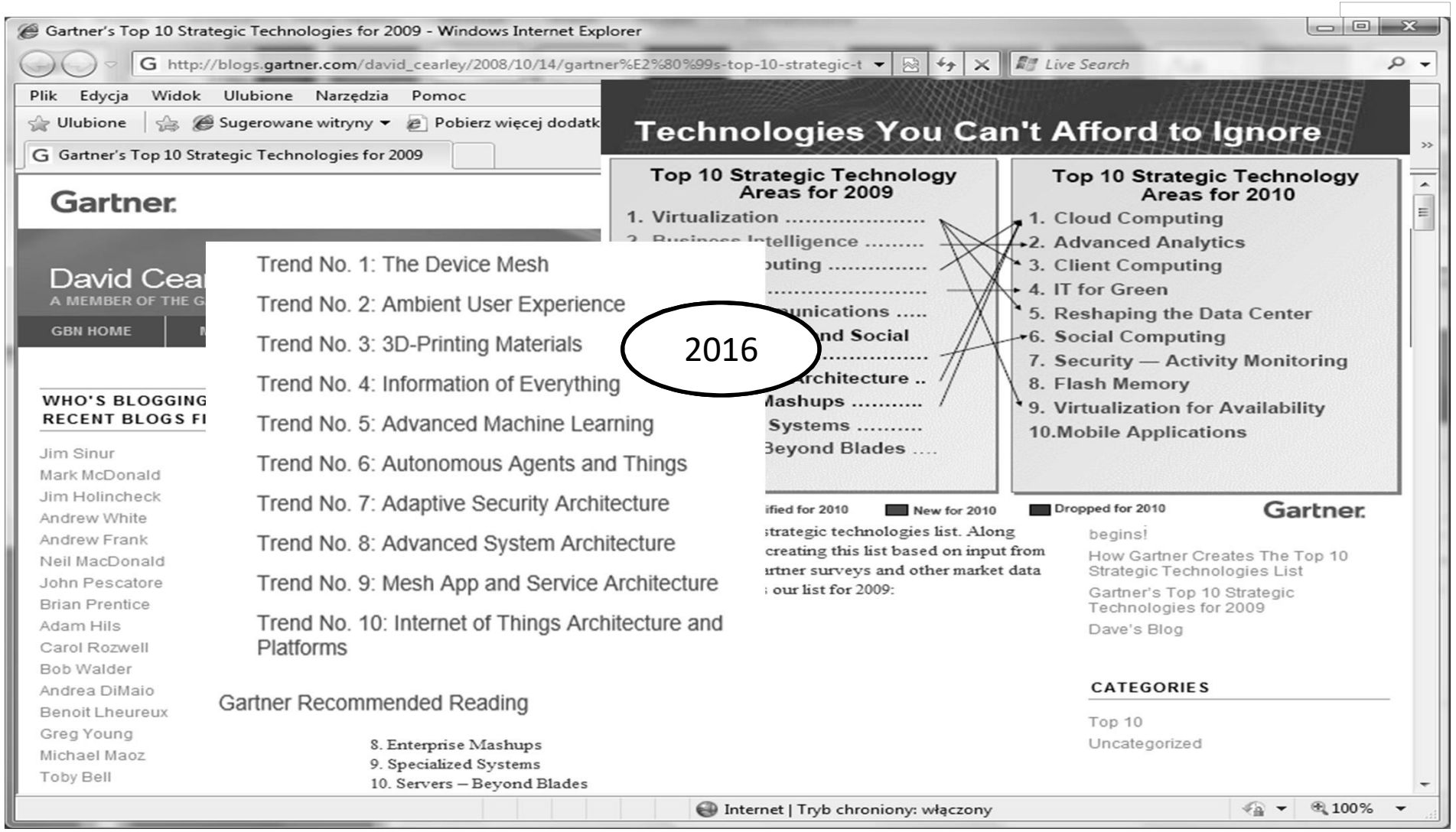
Virtualisation

Foundations of computer networks




Gartner's Top 10 Strategic Technologies for 2009 - Windows Internet Explorer
http://blogs.gartner.com/david_cearley/2008/10/14/gartner%E2%80%99s-top-10-strategic-t
Live Search
Plik Edycja Widok Ulubione Narzędzia Pomoc
Ulubione
Sugerowane witryny
Pobierz więcej dodatk
Gartner's Top 10 Strategic Technologies for 2009
Gartner
David Cea
A MEMBER OF THE G
GBN HOME
WHO'S BLOGGING
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Jim Sinur
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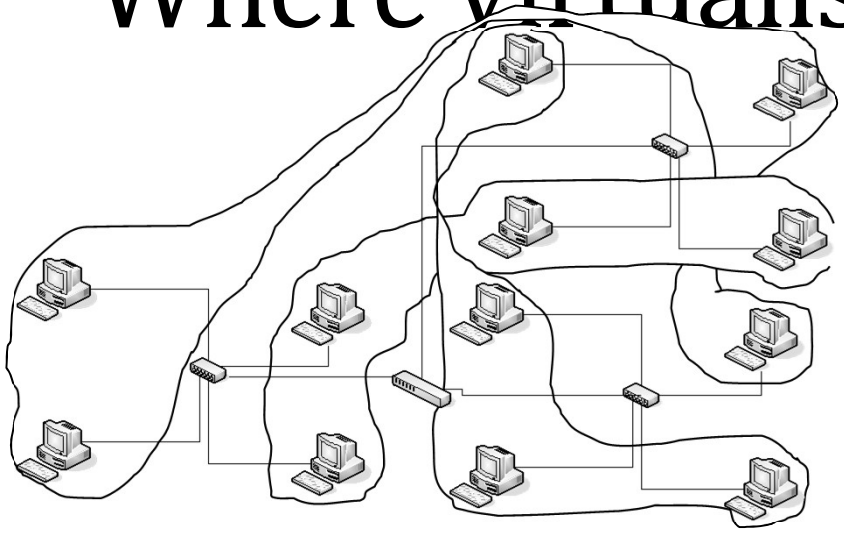
Brian Prentice
Adam Hils
Carol Rozwell
Bob Walder
Andrea DiMaio
Benoit Lheureux
Greg Young
Michael Maoz
Toby Bell
Technologies You Can't Afford to Ignore
Top 10 Strategic Technology Areas for 2009
1. Virtualization .....
Business Intelligence .....
puting .....
.....
unications .....
nd Social
.....
rchitecture ..
Mashups .....
Systems .....
Beyond Blades ....
Top 10 Strategic Technology Areas for 2010
1. Cloud Computing
2. Advanced Analytics
3. Client Computing
4. IT for Green
5. Reshaping the Data Center
6. Social Computing
7. Security — Activity Monitoring
8. Flash Memory
9. Virtualization for Availability
10.Mobile Applications
ified for 2010
New for 2010
Dropped for 2010
Gartner
strategic technologies list. Along
creating this list based on input from
rtner surveys and other market data
our list for 2009:
Trend No. 1: The Device Mesh
Trend No. 2: Ambient User Experience
Trend No. 3: 3D-Printing Materials
2016
Trend No. 4: Information of Everything
Trend No. 5: Advanced Machine Learning
Trend No. 6: Autonomous Agents and Things
Trend No. 7: Adaptive Security Architecture
Trend No. 8: Advanced System Architecture
Trend No. 9: Mesh App and Service Architecture
Trend No. 10: Internet of Things Architecture and Platforms
Gartner Recommended Reading
8. Enterprise Mashups
9. Specialized Systems
10. Servers – Beyond Blades
begins!
How Gartner Creates The Top 10 Strategic Technologies List
Gartner's Top 10 Strategic Technologies for 2009
Dave's Blog
CATEGORIES
Top 10
Uncategorized
Internet | Tryb chroniony: włączony
100%

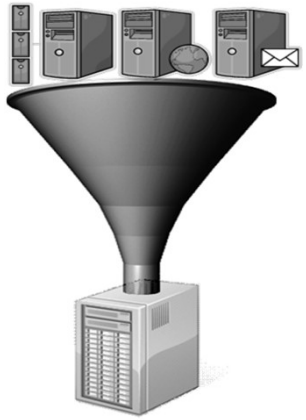
Why virtualisation?

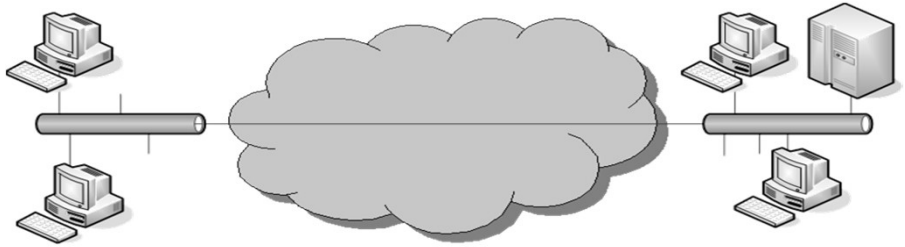
Kadr z filmu "Matrix"

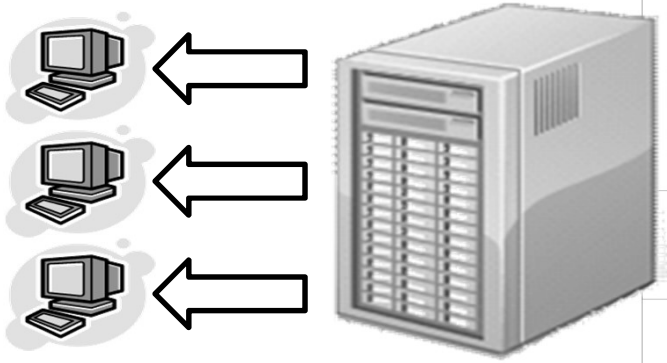
scenariusz i reżyseria: The Wachowski Brothers

Where virtualisation?

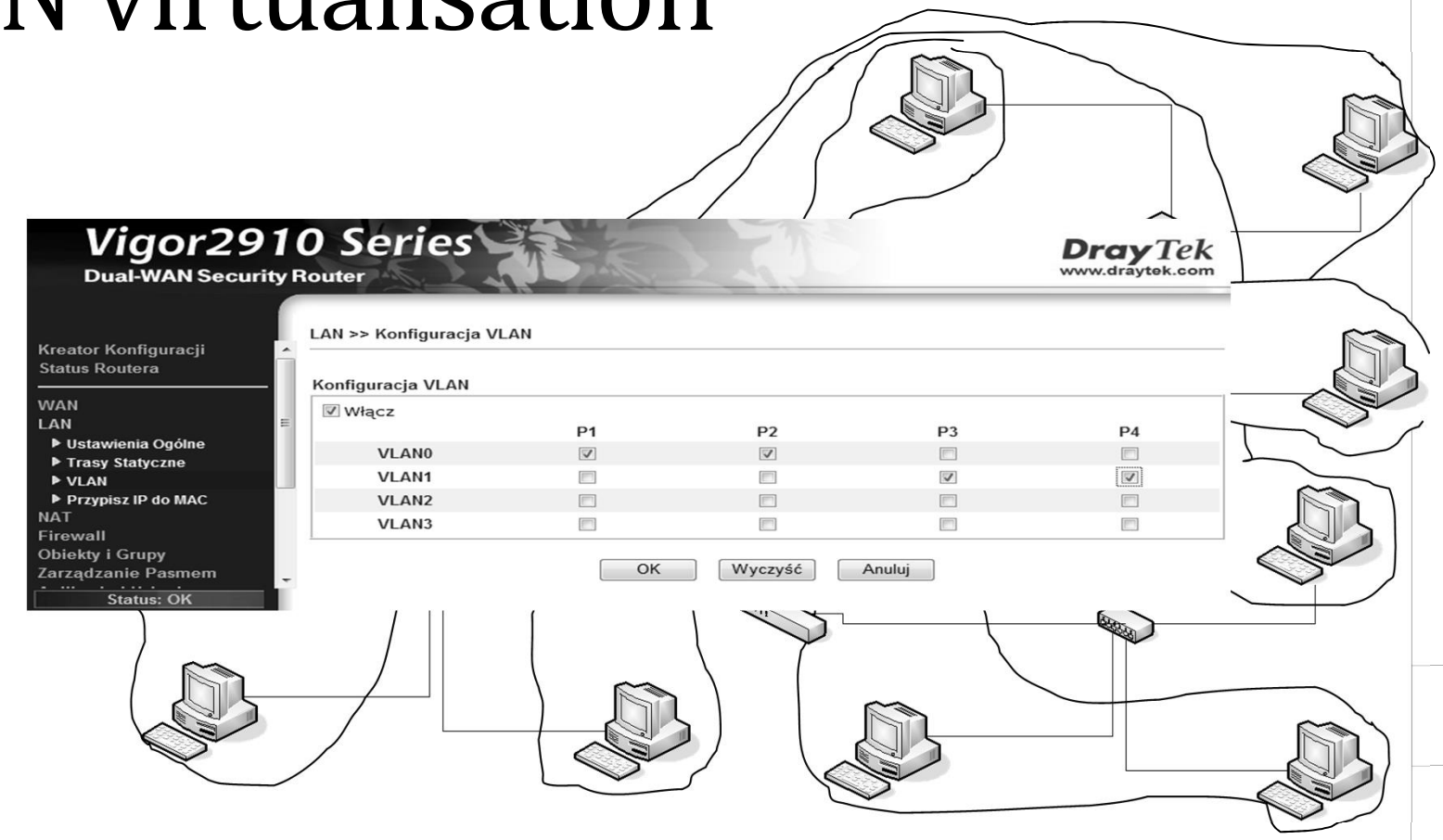




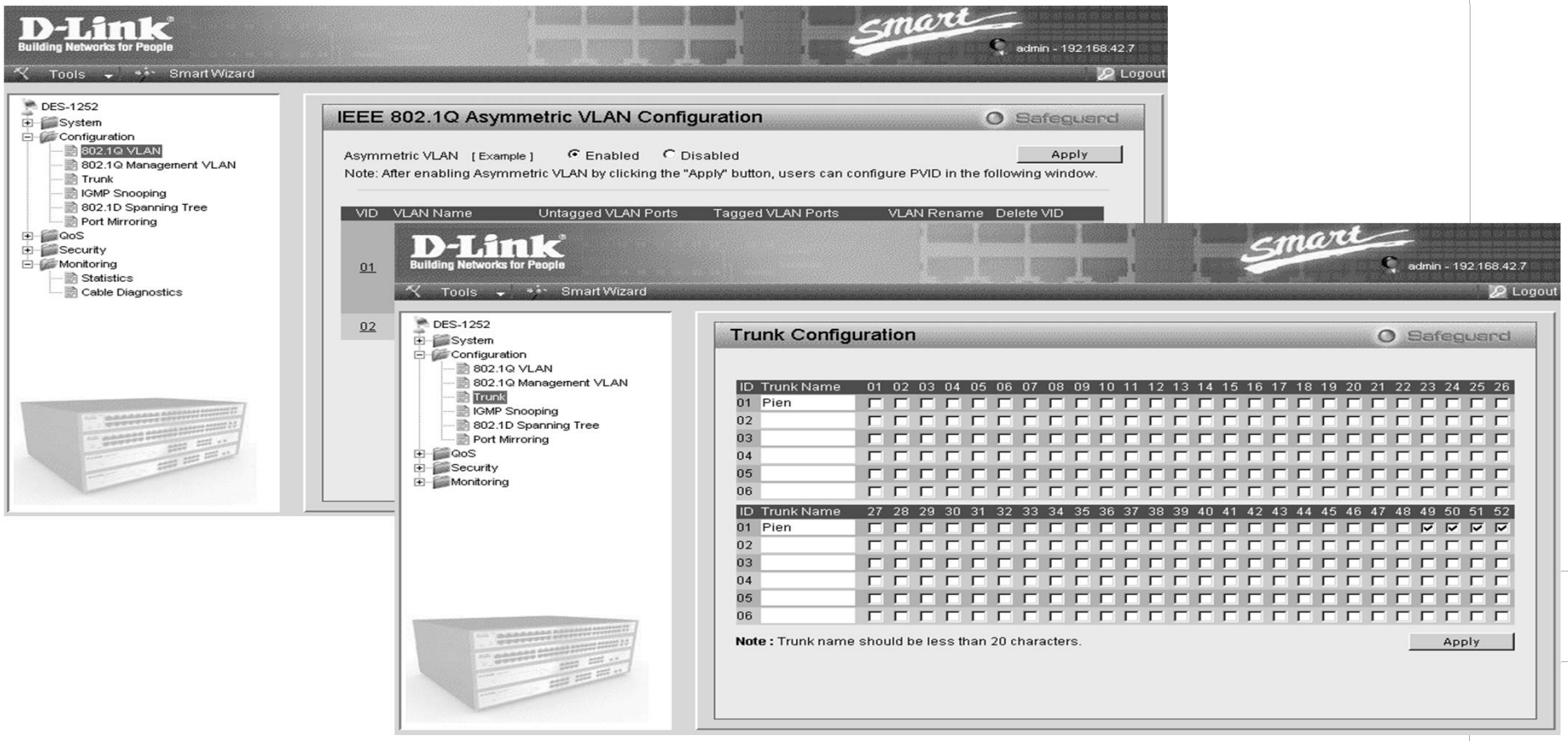




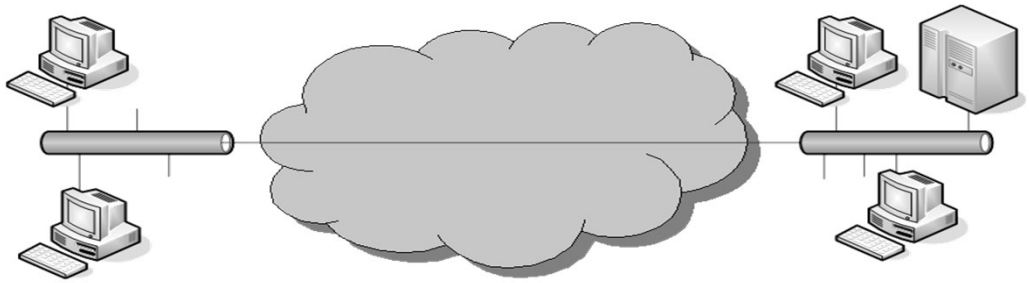
LAN virtualisation

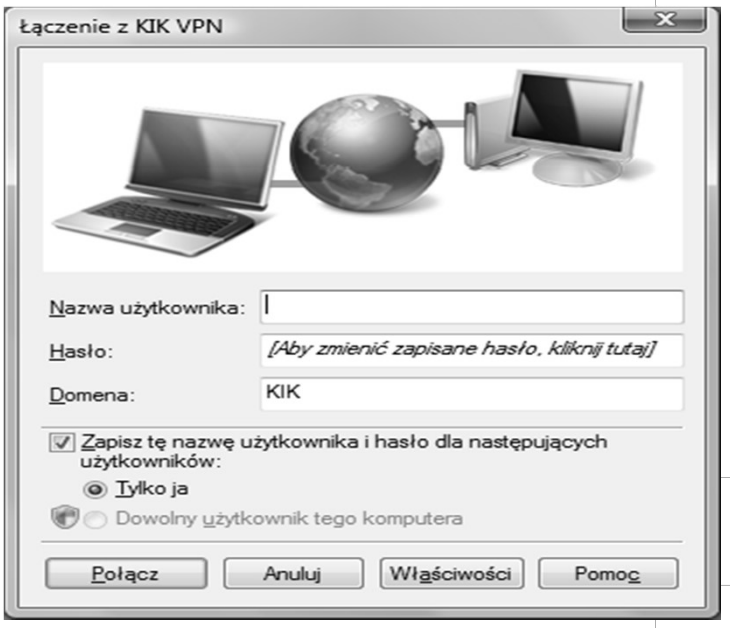


LAN virtualisation



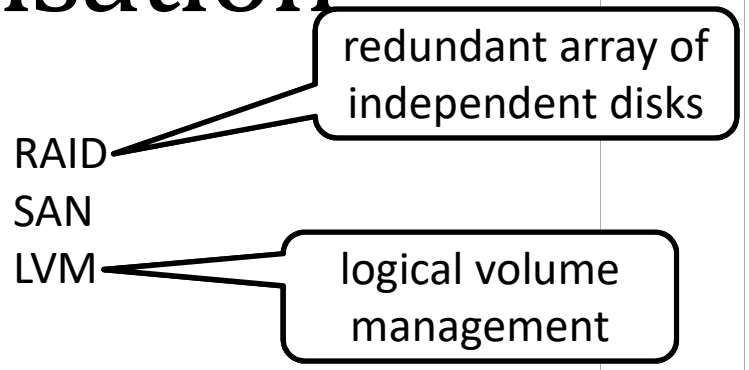
Tunels - VPN



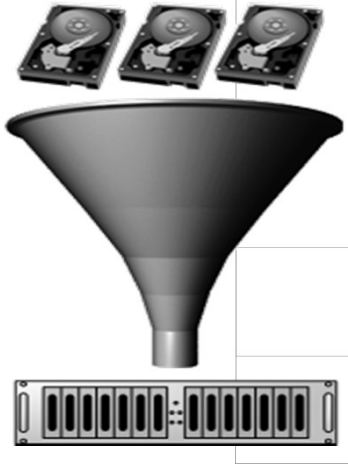

Łączenie z KIK VPN
Nazwa użytkownika:
Hasło:
[Aby zmienić zapisane hasło, kliknij tutaj]
Domena:
KIK
Zapisz tę nazwę użytkownika i hasło dla następujących użytkowników:
Tylko ja
Dowolny użytkownik tego komputera
Połącz
Anuluj
Właściwości
Pomoc

Mass memory virtualisation

- reliability
- flexibility
- costs reduction



- heterogeneity of resources
- logical unit number (LUN)
  - size and localisation flexibility
- mirroring
- replication
- snapshots
- hierarchical storage menegement (HSM)



RAID

- RAID 0 – striping
- RAID 1 – mirroring
- RAID 2 – bit striping v
- RAID 3 – bit striping with parity (not in common use)
- RAID 4 – block striping with parity (faster than RAID 2 and 3 due to multiple/parrallel I/O operations)
- RAID 5 – block striping with distributed parity (at least 3 HD, 1 HD can fail, rebuild is needed)
- RAID 6 – block striping with double distributed parity (at least 4 HD, 2 HD can fail

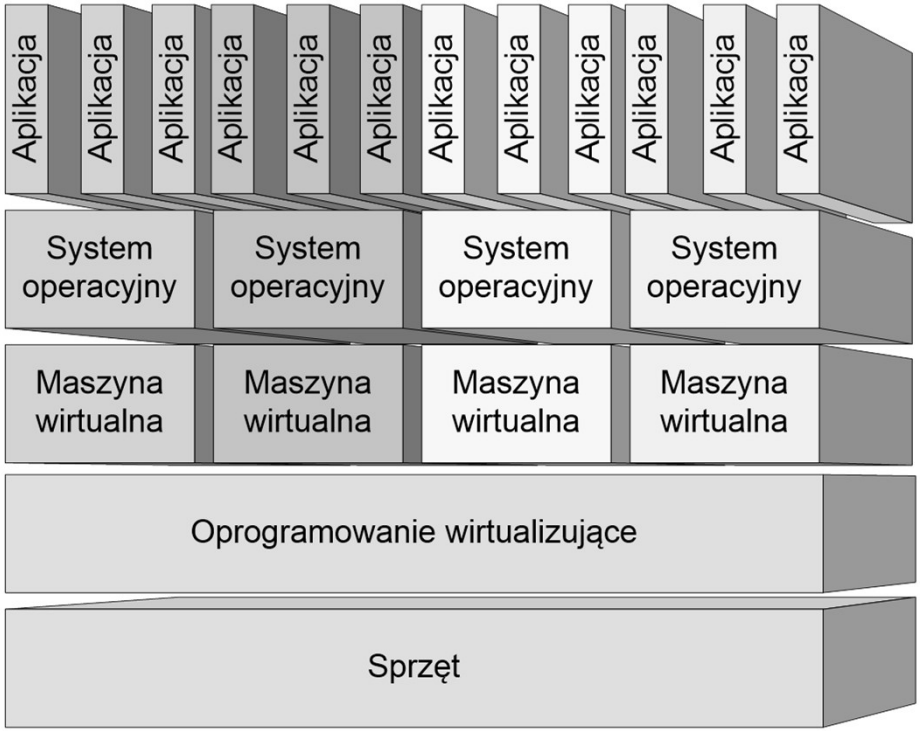
Hybrid RAID

RAID 10 – striping on mirrored set
RAID 01 – mirror applying two striped sets
RAID 50 – RAID 0 striping on RAID 5 striping sets

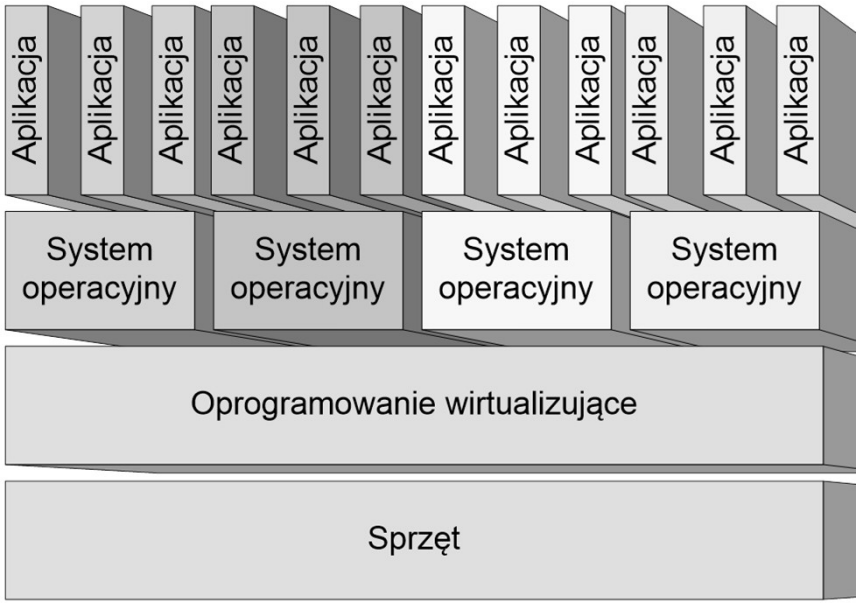
Server virtualisation

- Full virtualisation
- Paravirtualisation
- Operation system partitioning

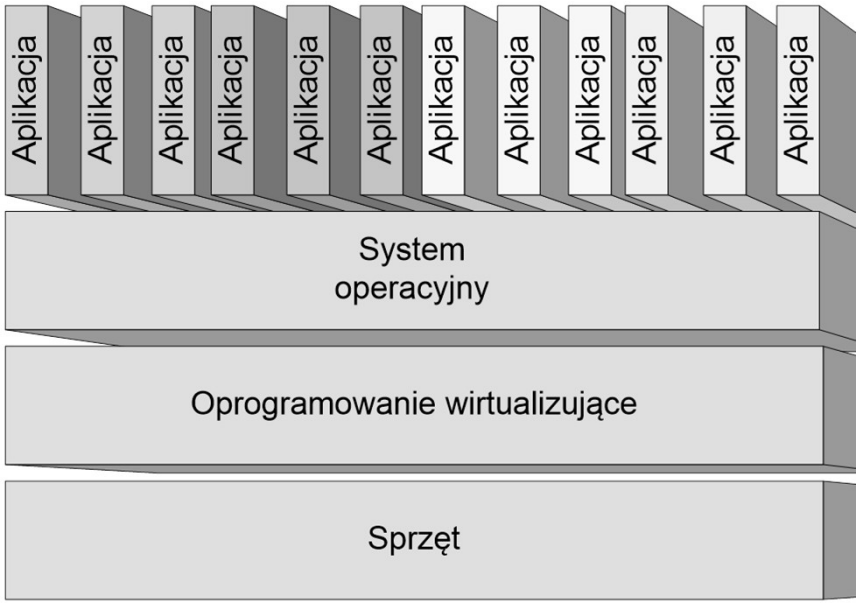
Full virtualisation



Paravirtualisation



Operation system partitioning



Solutions

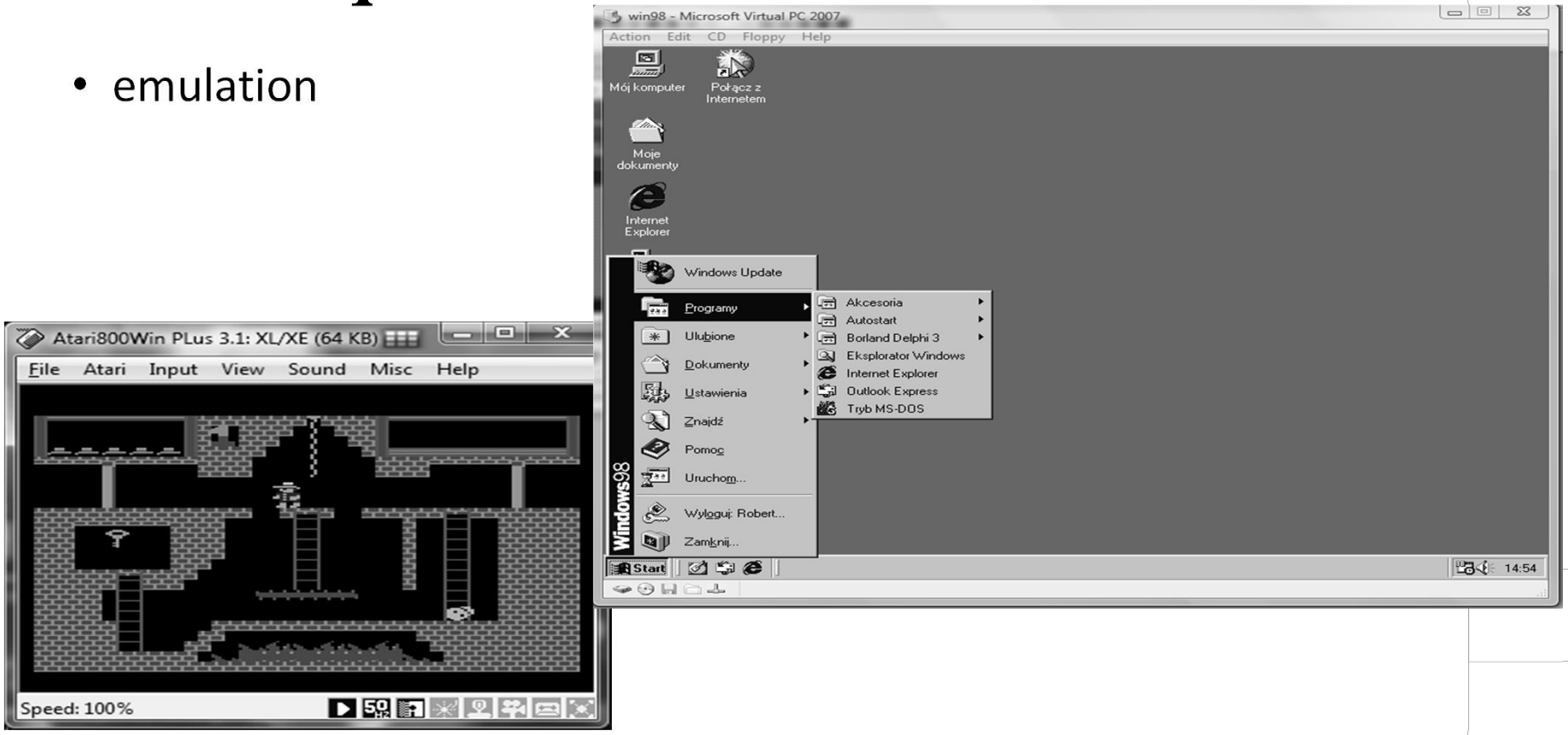
- VMware
- Sun xVM Server
- Parallels –Virtuozzo
- XEN – Citrix
- Microsoft

Microsoft Hyper-V Server 2008 R2


CITRIX XenServer
Configuration
Customize System
Status Display
Network and Management Interface
Authentication
Virtual Machines
Disks and Storage Repositories
Resource Pool Configuration
XenServer Details and Licensing
Hardware and BIOS Information
Keyboard and Timezone
Remote Service Configuration
Backup, Restore and Update
Technical Support
Reboot or Shutdown
Local Command Shell
<Enter> OK <Up/Down> Select
Dell Inc.
PowerEdge 2970
XenServer 5.5.0-25727p
Management Network Parameters
Device eth0
IP address 192.168.42.10
Netmask 255.255.255.0
Gateway 192.168.42.2
Press <Enter> to display the SSL key fingerprints for this host
<Enter> Fingerprints <F5> Refresh

Desktop virtualisation

- emulation

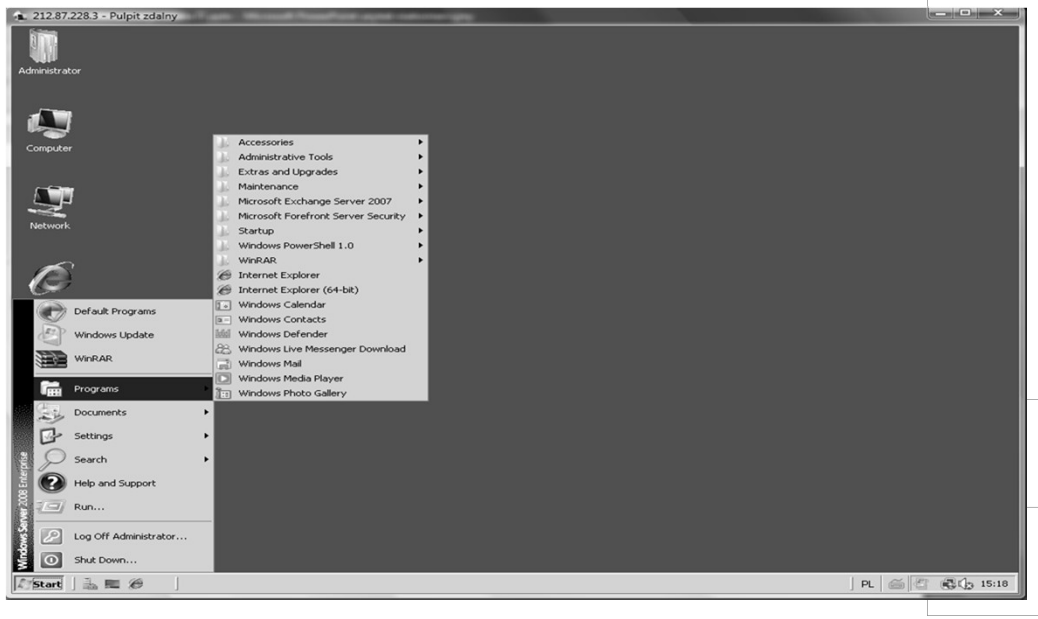


Desktop virtualisation

- remote desktop
- terminal services
- BladePC

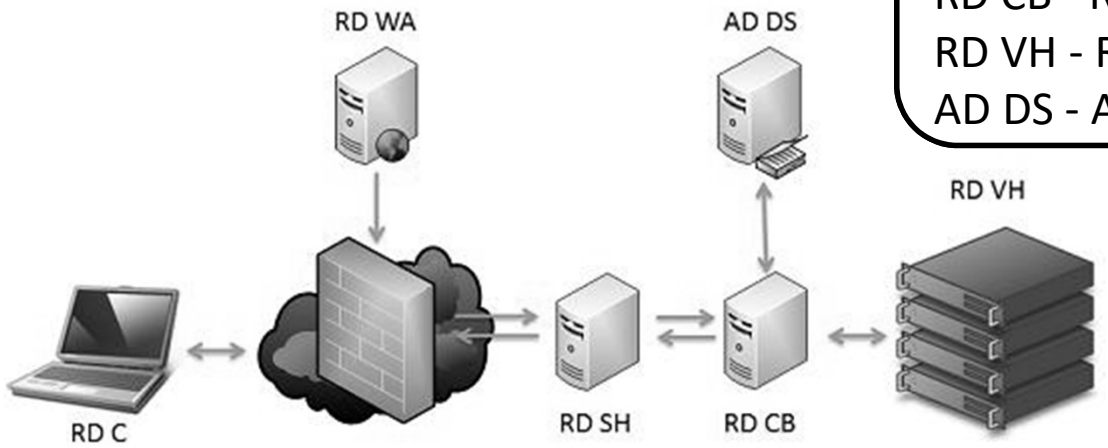
Wyse S10

www.wyse.com



Virtual desktops infrastructure

RD C - Remote Desktop Client
RD WA - Remote Desktop Web Access
RD SH - Remote Desktop Session Host
RD CB - Remote Desktop Connection Broker
RD VH - Remote Desktop Virtualisation Host
AD DS - Active Directory Domain Services



Source: K. Skalski „Wirtualne pulpity, czyli zastosowanie konsolidacji i wirtualizacji prezentacji", WSS.pl

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Dziękuję za uwagę