

# Virtualizarea SysAdmin-ului

Mircea MITU, CTO - IT Assist

# x86 virtualization

From Wikipedia, the free encyclopedia

x86 virtualization is the method by which x86-based "guest" operating systems are run under another "host" x86 operating system, with little or no modification of the guest OS.







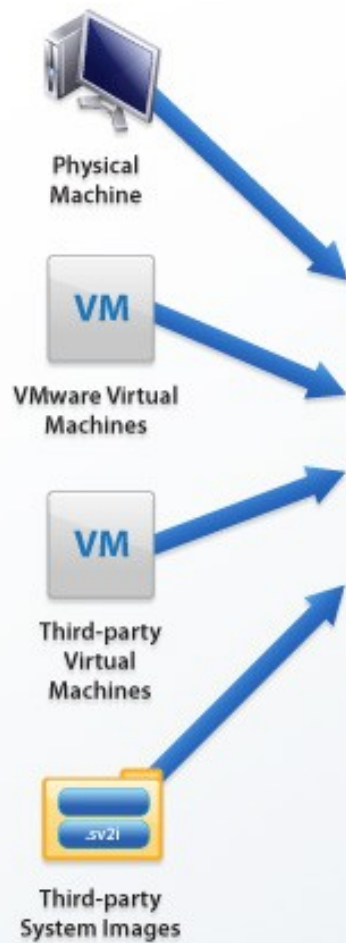
redhat.®



# VMware vCenter Converter

**Convert Physical Machines to Virtual Machines – Free!**

## Source



## VMware Products



# Citrix XenServer

**Enterprise-class. Cloud-proven. Free.**

Features included at no cost	Citrix XenServer	VMware ESXi
Bare-metal hypervisor	64-bit	32-bit
Max virtual CPUs	8	4
Windows® and Linux guests	✓	✓
Unlimited servers, VMs, memory	✓	✓
P2V & V2V conversion	✓	✓
Shared SAN and NAS storage	✓	✓
Centralized multi-server management	✓	
Resilient distributed management architecture	✓	
Live motion	✓	
Shared VM template library	✓	
Centralized configuration management	✓	
Virtual infrastructure patch management	✓	
Intelligent initial VM placement	✓	
Intelligent server maintenance mode	✓	
Fine-grained CPU resource controls	✓	
Hot-swappable disks and NICs	✓	

# Red Hat Virtualization

## Strategy and Roadmap for 2009

## **Red Hat Enterprise Virtualization Manager for Servers**

A new, richly featured virtualization management solution for servers that will be the first open source product in the industry to allow fully integrated management across virtual servers and virtual desktops, featuring Live Migration, High Availability, System Scheduler, Power Manager, Image manager, Snapshots, thin provisioning, monitoring, and reporting.

## **Red Hat Enterprise Virtualization Manager for Desktops**

A new management system for virtual desktops that will deliver industry-leading VDI cost-performance for both Linux and Windows desktops, based on Qumranet's SolidICE and using SPICE remote rendering technology.

## **Red Hat Enterprise Virtualization Hypervisor**

A new standalone hypervisor designed to be ideal for Red Hat's partners and customers to lay down a standard, lightweight, high-performance virtualization foundation for guest environments.

# **SysAdmin-ul**



	<b>RedHat</b>	<b>Novell</b>	<b>Debian / Ubuntu</b>
<b>Desktop</b>	KVM	VirtualBox	VirtualBox
<b>Server</b>	KVM	Xen	KVM
<b>Hypervisor</b>	KVM	Xen	KVM

# Beneficiile virtualizării

Izolarea serviciilor  
Delegarea responsabilității  
Flexibilitate  
Cuantificarea performanței  
Costuri reduse

# Incercările Sysadmin-ului

Adaptabilitate

Flexibilitate

Play nice with Windows

Personalizarea soluției

Cost

# Virtualizarea serviciului IT

Externalizare servicii  
Externalizare competente  
Consultanta

# Beneficiile virtualizării serviciului IT

Izolarea serviciilor  
Delegarea responsabilității  
Flexibilitate  
Cuantificarea performanței  
Costuri reduse

# Mircea MITU, CTO - IT Assist

“Virtualizam” serviciul IT:  
(servicii specifice)  
(competente)  
(consultanta)

Peste 100 de clienti

L'ORÉAL

SIEMENS



# Pentru informații suplimentare

[www.computerworld.ro](http://www.computerworld.ro)

[www.lug.ro](http://www.lug.ro)

[www.itassist.ro](http://www.itassist.ro)

