



NETWORK TECHNOLOGY ACADEMY

"While Microsoft, VMware and Citrix compete for the lead in Virtualization software NTAI has developed a Virtualization Concept Class to educate and inform Network Admins."



Virtualization Concepts & Cloud Computing



VIRTUALIZATION CONCEPTS PROGRAM

NETWORK TECHNOLOGY ACADEMY

20-40 Holland St. Suite 402
Somerville, MA
02144

100 Pleasant St.
Malden, MA
02148

www.ntai.net
781 388-0026
617 628-0277

10 week course

NETWORK TECHNOLOGY ACADEMY



Virtualization Concepts

Target Audience:
Anyone who needs to learn the basic features and functionality of Virtualization, and its business uses and benefits

Course Length:

This class runs for 10 weeks and meets twice a week, Tuesday – Friday 6pm – 9pm

Course Schedule:

This is an evening course for working professionals. We can teach this course in the day if given 4 weeks advance notice. We can also teach this course On-Site at your location. Please call for current scheduling.

Course Location:

We offer this course at both locations,

**20-40 Holland St.
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NTAI Virtualization Concepts: What does "going virtual" really mean?

There's no question that "virtualization" became the IT buzzword of 2007, and that trend has only continued with more gusto in 2009. Virtualization has gotten endless coverage in IT magazines and even spawned entire conferences. But what does "going virtual" really mean?

The most common definitions still focus on OS and desktop virtualization, while data center virtualization is still relatively uncharted territory. Our two "Virtualization Classes " at NTAI demystify these technologies and spell out exactly how they work in the virtualization of networks, applications and hardware, storage, and services.

Virtualization Concepts

IT organizations benefit from virtualization through:

Better use of IT assets

Flexibility in developing and deploying new environments.

Significantly smaller hardware footprint.



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Learn the benefits of server virtualization

1. Lower number of physical servers - you can reduce hardware maintenance costs because of a lower number of physical servers.
2. By implementing a server consolidation strategy, you can increase the space utilization efficiency in your server room..
3. By having each application within its own "virtual server" you can prevent one application from impacting another application when upgrades or changes are made.
4. You can develop a standard virtual server build that can be easily duplicated which will speed up server deployment.
5. You can deploy multiple operating system technologies on a single hardware platform (i.e. Windows Server 2003, Linux, Windows 2000, etc).

Virtualization Concepts

Learn about server virtualization.

See the Pros and Cons of VMware, Microsoft and Citrix .

Install and Configure a virtual server.



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Virtual Desktop Concepts

To virtualize or not to virtualize? That is no longer the question. The new question that desktop managers should ask is, "What desktop environment strikes the balance between productive users and IT's need for increased manageability and security?" Emerging client virtualization technologies have the answer: Cost-effectively deliver a desktop tailored to each user scenario. This means that the traditional desktop model — inherently insecure, inflexible, and hard-to-manage — is a thing of the past. Organizations will instead identify their users by criteria like task-based, knowledge, or power users and will deliver dynamic desktops accordingly. After speaking to organizations looking at desktop and application virtualization, we know that client virtualization is not just an emerging trend, it's the future of the corporate PC.

Virtualization Concepts

Learn about desktop virtualization.

See the Pros and Cons of VMware, Microsoft and Citrix .

Install and Configure virtual desktops and see the value of the secure environment offered.



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The certifications for virtualization

Virtualization: Virtualization has been on vendors' lips even before the economy plummeted, but the down economy and the movement to green computing are putting a spotlight on virtualization as a way for organizations to consolidate servers and to gain efficiencies. Nearly four in 10 (39%) of the CIOs at large and midsize organizations responding to Robert Half Technology's survey said they would be investing in virtualization. While virtualization enables companies to cut costs, organizations are willing to pay for IT pros with virtualization skills. According to PayScale, the highest median salary for pros with virtualization skills as reported in May was \$100,190 for an IT architect.

The leading contenders in the virtualization space are VMware, Citrix, and Microsoft, and all three provide certifications on their products. Robert Half Technology's Willmer would not be drawn as to which certification will win out, but says more employers are demanding VMware's VCP certification at this time. "If you're a consultant, you will want to get experience on VMware and the others," he said.

VMware's **VMware Certified Professional (VCP)** certification is the granddaddy of the virtualization certifications. It's a broad-based certification for VMware and is currently based on VMware Infrastructure 3 (VI3). VMware in 2008 launched VMware Certified Design Expert, an advanced designation aimed at VMware design architects. The company is currently preparing to launch a new VCP certification based on vSphere 4, described by VMware as a cloud operating system. The beta exam for VCP4 was released on June 29 and the exam is scheduled for public release on Aug. 1. To become VCP3 certified, professionals must take a VMware course, gain hands-on experience with VMware, and pass the VCP3 exam. VMware says candidates for the VCP4 exam must be VCP3-certified and be beta product users.



Virtualization Concepts

Reduction in cost of IT hardware.

The question isn't, "Should we virtualize?" Instead, it is, "How can we transition to a virtualized infrastructure in a predictable, low-risk, cost-effective manner right now?"



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Transform your Business with Virtualization

Transform your Business with Virtualization
Virtualization dramatically improves the efficiency and availability of resources and applications in your organization. Internal resources are underutilized under the old “one server, one application” model and IT admins spend too much time managing servers rather than innovating. An automated datacenter, built on a VMware virtualization platform, lets you respond to market dynamics faster and more efficiently than ever before. VMware vSphere delivers resources, applications—even servers—when and where they’re needed. VMware customers typically save 50-70% on overall IT costs by consolidating their resource pools and delivering highly available machines with VMware vSphere. Run multiple operating systems on a single computer including Windows, Linux and more.

Let your Mac run Windows creating a virtual PC environment for all your Windows applications.

Reduce capital costs by increasing energy efficiency and requiring less hardware and increasing your server to admin ratio

Ensure your enterprise applications perform with the highest availability and performance Build up business continuity through improved disaster recovery solutions and deliver high availability throughout the datacenter
Improve enterprise desktop management & control with faster deployment of desktops and fewer support calls due to application conflicts

Virtualization Concepts

Reduce capital costs by increasing energy efficiency and requiring less hardware and increasing your server to admin ratio.



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Get your Virtualization
Certification at NTAI

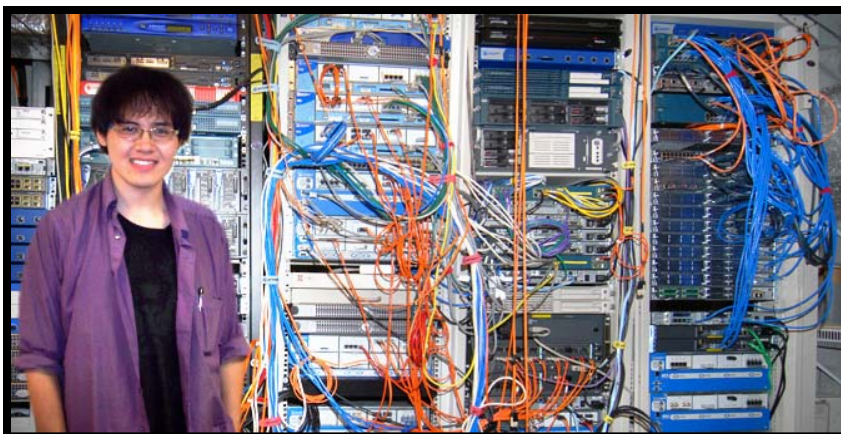
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