

Virtualization with vmware®

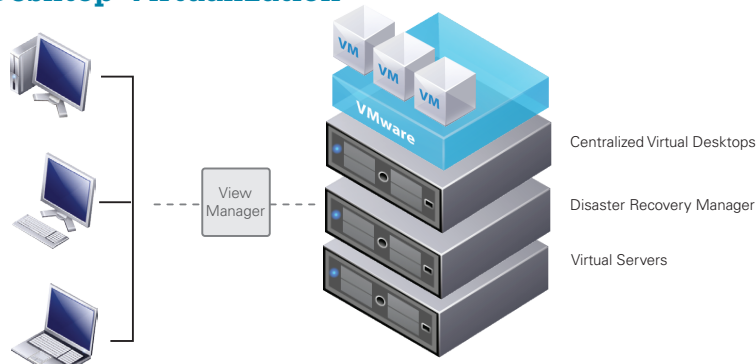
Implement cost-effective, efficient IT through the University System of Ohio Virtualization Program.

Benefits

Virtualization allows IT departments to create virtual – rather than actual – versions of applications, such as workstations or servers. With VMware, organizations can reduce the number of physical servers or computers, while still maintaining user productivity and performance levels. Benefits include:

- Reduced costs for physical IT hardware (servers, desktops, etc.)
- Lower operational and maintenance costs, while upgrading to superior maintenance levels
- “Green” IT savings through lower power, cooling and space costs.
 - American Electric Power, Dayton Light and Power and Duke Power offer financial incentives for virtualized datacenters because they consume less energy. Contact OARnet for details.

Desktop Virtualization



Details

Through the University System of Ohio Virtualization Program, a full suite of VMware software products are offered, including:

- VSphere 4 Enterprise and Enterprise Plus
- View Enterprise licenses
- ThinApp Client and ThinApp Suite Licenses
- Site Recovery Manager and Lab Manager licenses
- Consulting Services and Training Classes (PSO Credits)
- VMware Production level support (previously called Platinum) for VMware products on OARnet contract
- CiscoNexus 1000V licenses

About OARnet

The **Ohio Academic Resources Network** (OARnet) identifies and deploys shared services that reduce costs, deliver higher quality programs, increase productivity and improve customer service – and has done so for more than 20 years.

Through a shared services agreement with VMware, OARnet has the unlimited ability to license VMware's full suite of state-of-the-art virtualization software and technology support services.

In the first 18 months of the program, **Ohio colleges and universities, K-12 schools and state and local governments saved \$44.9 million.** By the end of 2012, OARnet members and partners could save more than \$100 million.

Contact:

For more information on VMware related services please contact:

K-12 Inquiries
vmware-k12@oar.net

Higher Education
vmware-higher-education@oar.net

Government Agencies
vmware-stateofohio@oar.net

For more information on Green IT savings or other inquiries please contact:

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USO Virtualization Project Quick Reference Guide

Product	Product Description	Licensing
vSphere 4	Enables cloud computing in IT infrastructures. Reduces capital and operating costs and increases control over IT infrastructures while preserving the flexibility to choose operating systems, application, and hardware.	Per CPU
View Enterprise 4	View, vSphere, and vCenter Foundation	Purchase in increments of 10
View Premier Upgrade	ThinApp and ThinApp Composer (View Enterprise 4.0 required.)	Purchase in increments of 10
*ThinApp Suite ThinApp Client	Run any version of any application on a single operating system without conflicts, including multiple versions of the same application. Plug VMware ThinApp into existing management infrastructure and accelerate software development and desktop deployment.	Per CPU *1 package install and 50 clients
vCenter	Rapidly provision virtual machines and monitor performance of physical server and virtual machines. Centrally manages VMware Infrastructure environment, simplifying day-to-day IT operations management.	1 license per site, 1 per production site and 1 per disaster recovery site
Site Recovery Manager	Accelerate successful recovery by automating the process. Eliminates complex manual recovery steps and removes the risk and worry from disaster recovery.	1 license per processor
Heartbeat	Delivers the maximum uptime for a virtual datacenter infrastructure, even when a VMware vCenter Server is threatened by downtime. (vCenter required.)	Per CPU
Lab Manager	Create and manage a library of commonly used configurations and dynamically provision them in seconds with a simple mouse click. Gives users on-demand access to system configurations they need while achieving significant savings through reduced server, storage, and provisioning costs.	Per processor
Capacity IQ	Provides capacity management capabilities for virtualized datacenter or desktop environments. Integrates with VMware vCenter Server, ensuring predictable and efficient virtualized infrastructure use.	Per CPU
vCenter Chargeback	Provides cost measurement, analysis and reporting. Use to create cost transparency and accountability to understand the actual cost of the virtual infrastructure required to support business services.	Per CPU or per VM (25pack)
vCenter AppSpeed	Inspects traffic flowing over the vSwitch, discovers and maps the environment, monitors performance against SLAs and enables root cause analysis.	Per CPU or per VM (25pack)
Fusion	Run Windows applications and devices on any Intel-based Mac.	Per device
Workstation	Runs multiple operating systems simultaneously on a single physical PC.	Per device
Professional Services Organizational Credits	Also known as PSO credits, can be used to purchase training and consulting from VMware or VMware Authorized Partners.	\$84 per credit
vCloud Director	Pools virtual infrastructure resources in existing datacenter and delivers them to users as a catalog-based service.	Per VM
vShield Edge	Security capabilities including port group isolation, network security gateway services and web load balancing for performance and availability.	Per VM
vShield Endpoint	Optimizes antivirus and other host and endpoint security for use in VMware vSphere 4.1 and VMware View 4.5 environments. Hardened, tamperproof security virtual machine eliminates agent footprint.	Per VM
vShield App	Protects your applications against internal network-based threats and reduces the risk of policy violations within the corporate security perimeter. Uses application-aware firewalls with deep packet inspection and connection control based on source and destination IP addresses.	Per VM
Configuration Manager	Automates configuration management across virtual and physical servers, workstations, and desktops. Increases efficiency by eliminating manual, error-prone and time-consuming work.	Instance/host licensing
Application Discovery	Maps application dependencies to accelerate datacenter moves, precisely plans infrastructure consolidations and virtualizes business critical applications.	Instance/host licensing
Zimbra Collaboration Suite	Enterprise-class, open source email, calendar and collaboration platform.	Mailbox
Zimbra Archiving	Available as an optional license add-on to Zimbra Collaboration Suite.	Mailbox