

THE CHALLENGE

Today's IT departments are challenged by the ever changing users' requirements and limited flexibility of its current IT infrastructure due to silos of servers, storage and communication resources across departments, business units and applications. Clients need a proven and tested solution to move its silo infrastructure to a more flexible and shared environment that can be dynamically expanded and customized to meet changing requirements and future cloud computing objectives.

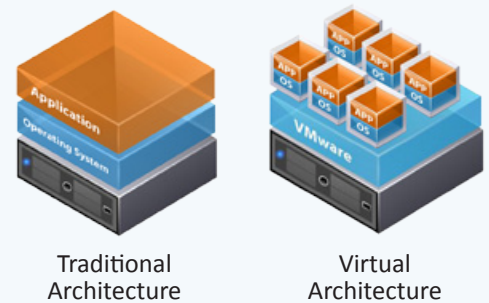
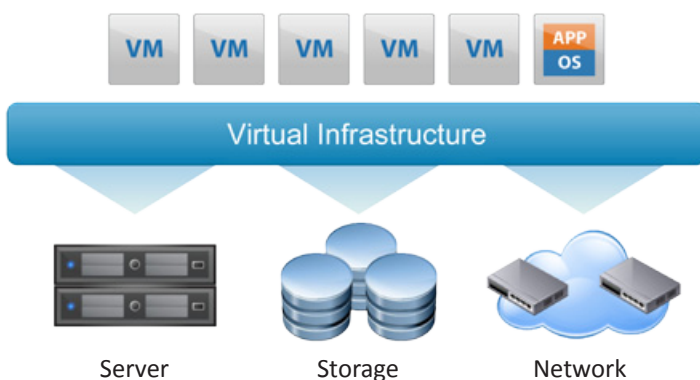
VIRTUALIZATION SOLUTION FOR IT INFRASTRUCTURE

THE SOLUTION

Integral Consulting Services (Integral) provides a proven and tested solution that can migrate a client's existing IT infrastructure silos to a virtualized and shared environment without any disruption of business services. Virtualization partitions a physical server into several virtual servers, also called virtual machines. Each virtual machine can interact independently with other devices, applications, data and users as though it were a separate physical resource. Different virtual machines can run different operating systems and different applications while sharing the resources of a single physical computer. And, because each virtual machine is isolated from other virtualized machines, if one crashes, it does not affect the operations of the other virtual machines.

Our solution for migrating a client's physical server environment to a virtualized environment is based on the integration of VMware, NetApp and Cisco technologies that creates a flexible infrastructure for storage, networking and server components.

The following picture depicts how servers, storage and network components can be shared, allocated, and dynamically reallocated using a virtualized environment based on a client's dynamically changing needs.



KEY FEATURES

- Provides an open system solution that integrates in a client's existing environment, and protects their investment in applications and systems.
- Provides proven technologies from industry leaders in server virtualization, storage and networking technologies.
- Moves a client's physical server environment to a virtualized environment without disruption of business services.
- Prepares a client's IT infrastructure toward future cloud computing objectives.
- Provides a common pool of computing power, storage and communication resources that can be dynamically allocated and reallocated based on client needs.

“EXCEEDING EXPECTATIONS...”

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KEY COMPONENTS

Key Components of our solution from VMware, NetApp and Cisco include:

- VMware® vSphere™, vCenter™
- NetApp® FAS and complete bundle
- Cisco® UCS® and Nexus

VMware is the market leader in setting the standard for server and desktop virtualization. The powerful VMware® virtualization solution enables clients to pool and dynamically allocate server and desktop resources. *vSphere*, the industry's most complete and robust virtualization platform, maximizes IT efficiency through consolidation and automation, dramatically reducing clients capital and operating costs while giving the freedom to choose applications, OS, and hardware. *vCenter*™ offers end-to-end centralized management of virtual environments, delivering the visibility and responsiveness clients need for cloud-ready applications.

NetApp provides a unified storage architecture for extreme efficiencies. Traditional storage solutions for virtualized infrastructure force clients to buy separate systems to accommodate different storage needs. NetApp's multiprotocol unified architecture reduces cost and complexity by meeting all of a client's storage requirements with a single, highly scalable solution.

Cisco Unified Computing System (UCS) is a data center platform that lets clients unite compute, network, and storage connectivity and virtualization into a single cohesive system.

VIRTUALIZATION COMPETENCY AND SERVICES

Based on in-depth virtualization expertise, proven best practices, and repeatable delivery methodologies, we offer:

- Consulting services for end-to-end datacenter virtualization management, desktop virtualization and cloud services.
- Virtualization assessment creating a roadmap for enterprise consolidation and virtualization.
- Virtualization systems design, implementation and support.
- Experienced technical and project management staff.



Updated 04/2018

BENEFITS

- Improved agility to dynamically meet growth and business initiatives.
- Migration of operations toward service level monitoring aligning with ITIL-based support management.
- Optimizing infrastructure capacity utilization and thus minimizing capital investment.
- Reduced operational skills, processes and costs.
- Reduced floor space, power consumption and air conditioning costs.

ABOUT INTEGRAL

Integral, headquartered in Rockville, Maryland with offices in Charlottesville, VA and Aberdeen, MD, is a Woman-Owned Business. Integral focuses on a variety of Information Technology and Identity Intelligence solutions aimed toward making the world safer and more secure by defending against terrorism and protecting against cyber attacks. Integral has over 12 years of experience in providing real-time solutions and support in Identity Intelligence, multimodal biometrics, Information Assurance and cybersecurity, application development, IT Service Management, and Program Management. It has institutionalized its processes to apply proven experience and lessons learned to successfully implement projects within schedule, on budget, and with the highest quality, exceeding clients' expectations. Integral is certified in ISO 9001, ISO 20000, ISO 27001 and appraised at CMMI-DEV/3 and CMMI-SVC/3.

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