

CONSOLIDATION AND VIRTUALIZATION SERVICES

Reduce your infrastructure total cost of ownership while improving IT service agility.

Enterprises must quickly adapt to today's dynamic business environment, but many struggle with cost pressures and poor business-to-IT alignment. Server proliferation continues to drive up IT acquisition and operational costs. Increased infrastructure complexity increases the cost of providing business continuity. Manual development and testing infrastructure provisioning stifles application deployment. Desktop platforms are increasingly expensive to maintain and a source of security risk to the enterprise. These issues can all be addressed through consolidation and virtualization.

Consolidation and virtualization enables IT organizations to optimize service delivery by providing shared IT/business services and capabilities to business units with greater flexibility, efficiency, and effectiveness while reducing delivery costs. Here is how it can help:

- Reduce the number of physical servers to significantly lower capital and operating expenses.
- Expedite server provisioning to enable the deployment of more new services.
- Create business agility and provide the capability to adapt to quickly-changing business requirements.
- Improve capacity management to reduce the need to ask business heads what systems are needed during the yearly planning cycle.
- Better manage project based applications by shutting them down at the end of the project, allowing the licenses to be reused.
- Eliminate the need to fund multiple software testing environments.
- Pay only for what software is used and reduce the barriers of entry to new business ventures.

SERVER VIRTUALIZATION IS ONLY PART OF THE STORY

Virtualization can be pursued in four key IT domains:

- **Servers:** Server virtualization is used to consolidate underutilized infrastructure and application software onto fewer machines.
- **Storage:** Storage virtualization transforms isolated physical disks into a dynamic pool of storage capacity regardless of the disk or media type used.
- **Networks:** Network virtualization enables multiple devices in the network to function as a single asset and to manage the use of network resources more efficiently.
- **Desktop Clients:** Desktop virtualization simplifies client software management and separating applications for security purposes.

Consolidation and virtualization helps enable green IT practices with the increased ability to demonstrate "green-friendly" data center operations due to the reduction in power consumption, resulting in a smaller carbon footprint.



Pursuing C&V requires an experienced guide. Key issues that must be addressed include:

- Which business objectives will be addressed?
- What problems will it solve?
- How will it change the way we work?
- How will it affect costs?
- How will we manage it?

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