



# Virtualization Solutions

## Drive down costs and improve agility with virtualization

While virtualization has been a hot topic in the past few years—offering organizations a way to drive down costs by dramatically reducing the footprint of servers, storage and networking—it has also evolved into a strategic asset for IT. Virtualization:

- Allows the business to be far more agile, ranging from spinning up new Web servers to accommodate seasonal demand, to giving workers flexibility to work from wherever they'd like with the device of their choice.
- Drives more efficient data center operations, allowing IT more time to invest in projects and innovation rather than routine, continual maintenance.
- Increases the resiliency of applications and infrastructure to maximize uptime.
- Improves data security by moving data off end-user devices and back to the data center.
- Speeds up the deployment of both server and desktop workloads.
- Serves as the foundation for cloud-based services.

Sirius brings a proven consultative approach to virtualization projects. Expert engineers will assess your current environment as well as the ideal future state environment, and then design a comprehensive solution complete with software, servers, storage, networking, data center, and process integration components. From there, our engineering team will work in concert with you to implement, integrate, document, and provide knowledge transfer on the solution. Finally, Sirius provides a variety of turnkey solution management options per client requirements.

### VIRTUALIZATION SOLUTIONS AND ASSOCIATED PRODUCTS

#### Server Virtualization

- VMware vSphere/vCenter
- VMware Site Recovery Manager
- VMware vCloud Director
- VMware vCenter Suite
- Citrix XenServer
- Microsoft HyperV
- Red Hat Datacenter Suite
- Vizioncore Suite
- PlateSpin Suite
- Akorri Suite

#### Desktop & Application Virtualization

- Citrix XenDesktop
- Citrix XenApp
- Citrix Provisioning Server
- Citrix NetScaler
- Citrix Branch Repeater
- VMware View
- VMware ThinApp
- Microsoft App-V
- Microsoft RDS (Terminal Services)

#### Server Infrastructure & Systems Management

- IBM System x & BladeCenter/IBM Systems Director
- Dell PowerEdge Servers/Dell OpenManage
- Cisco Unified Computing System/Cisco UCS Manager
- HP ProLiant & BladeSystem/HP Systems Insight Manager

#### Storage Systems

- NetApp FASx Enterprise Storage Systems
- Dell Compellent Fluid Data Storage & EqualLogic Virtual Storage
- IBM System Storage
- HP 3PAR, P4000 (LeftHand), MSA, EVA, XP

### WHY CHOOSE SIRIUS FOR YOUR VIRTUALIZATION SOLUTIONS?

- 30+ certified virtualization engineers
- 225+ years of combined virtualization experience
- 175+ years of combined VMware experience
- 100+ years of combined Citrix experience
- 300+ years of combined Microsoft experience
- 250+ years of combined IBM System x experience
- 100+ years of combined Dell server experience
- 100+ years of combined HP server experience
- 15+ years of combined Cisco server experience
- Solution methodologies built on industry best practices
- Proven turnkey solutions





## SERVER VIRTUALIZATION

IT departments have been working diligently over the past few years to consolidate their x86 server footprint as a means to save money and space. Organizations are now looking at virtualization as a strategic asset for IT, in that it makes IT much more agile to accommodate fluctuating business needs such as seasonal demand, rapid growth, and/or acquisition or divestment.

As virtualization becomes more pervasive in the data center, organizations must rethink how the virtual environment is designed, managed and optimized, to ensure the best possible outcome. They must also focus on protecting the environment as “more eggs reside in fewer baskets,” and more business-critical workloads are migrated to and operating in the virtual infrastructure. Sirius delivers turnkey design services targeted at developing a virtual infrastructure that is optimized for cost, performance and manageability. We do this by evaluating the client’s requirements, and then designing a customized virtual infrastructure solution that includes software, servers, storage, networking, and data center equipment.

## DESKTOP & APPLICATION VIRTUALIZATION

The explosion in end-user devices combined with a much more mobile workforce, coupled with a desire from IT to cut desktop operating costs and to secure company data, has resulted in a rapidly growing market for virtual applications and desktops.

While flexibility and security are often at odds, application and desktop virtualization creates a win/win for both end-users and IT, as end-users get access to their apps from any device in any location, and company data remains secure back in the data center. Sirius realizes that all users and applications are not created equal, so we work toward designing solutions based on end-user requirements and job functions, as well as on IT requirements for flexibility, security and cost. For example, some end-users may require only a few applications for their work, while others in the executive suite want a full desktop. Meanwhile, some applications require either a full virtual desktop or a full blade PC in the data center. In all cases, Sirius incorporates all delivery elements into a turnkey solution including end-user equipment (phones, tablets, thin clients, PCs, etc.), WAN considerations, connection broker, security, and virtual infrastructure (software, servers, storage, networking).

## STORAGE VIRTUALIZATION

While server virtualization gets most of the publicity, storage virtualization offers similar benefits and helps IT achieve maximum benefit from virtual infrastructure. Virtualized storage improves storage utilization, reduces points of management, and enables more-seamless data migration. In addition, provisioning of storage is simplified by pooling resources and managing different systems centrally.

Virtualized storage allows for easier allocation of storage to virtual and physical workloads, simplified backups, and streamlined disaster recovery. Most importantly, storage virtualization allows IT to drive down storage costs through improved utilization of storage resources, as it allows storage administrators to more easily allocate, reclaim and re-allocate storage based on changing workload consumption, changing allocations based on performance requirements (tiers) and consumption (space).

## SOLUTION PARTNERS

