As information has grown in its importance to company success, information technology infrastructures have continued to increase in size and complexity. Storage, servers, storage area networks (SANs), and file and content storage landscapes have grown exponentially over time into both larger physical and virtual footprints.

More and more servers, storage and SANs are being virtualized to achieve cost efficiencies, improve responsiveness to the business and increase scalability.

In implementing these new infrastructures, you need to have a thorough and tested plan to ensure success of the virtualized environment. A methodology that leverages best practices and has been proven is necessary for successfully implementing virtualized infrastructures. Equally essential for reducing risk and achieving success is gaining the expertise of veteran consultants who can assist with the implementation project.

### Comprehensive Services Plan and Deploy Virtualized Infrastructures

Virtual Infrastructure Implementation Services from Hitachi Data Systems put our expert consultants to work for you to facilitate a speedy deployment of your virtualized infrastructure. After presenting you with a thorough and complete implementation plan, our consultants ensure your virtual IT infrastructure is deployed successfully.

The virtual infrastructure includes Hitachi Compute Blade servers, SAN switches, Hitachi Virtual Storage Platform and other Hitachi storage platforms.

#### Key Activities

In these services, Hitachi Data Systems Global Solution Services (GSS) consultants will complete following activities:

- **Network configuration.** This includes configuration of the management LAN and embedded network switches, plus all other important aspects of the network configuration.

- **Storage configuration.** This includes 2 types of storage:
  - On-blade SAS or SCSI hard disks connected to a RAID controller, yielding a single logical volume with RAID-1 or RAID-5
  - Fibre Channel-attached storage configuration (SAN), which contains LUN sizing, WWNs for all SAN components (HBAs, switches, LUNs), and their associations [zoning, LUN assignments to blades and/or logical partitions (LPARs)]

- **Logical partitioning configuration.** The blades contain an embedded virtualization hypervisor (HVM), which is used to configure and manage LPARs.

- **Operating system (OS) installation.** The blades support either Red Hat Linux or Microsoft Windows Server. This captures related configuration information for the Microsoft environment. A minimum of 1 OS is loaded per blade: up to 16 with full LPAR licensing.
- **Systems management software** (existing and future versions of software). There are 3 capabilities pertaining to this: The 1st is the basic install for basic systems monitoring. The 2nd is deployment for doing OS image backup and recovery. The 3rd is ensuring a form of high availability using 1 blade as a cold standby for the other, monitored through the systems software.

- **Knowledge transfer.** After some or all of the above services are completed (targeted for a 5-day delivery for 1 chassis), 2 hours of knowledge transfer are conducted based on the resulting configuration. The outcome of the delivery is the configured systems environment.

**Key Deliverables**

- Plan for virtual infrastructure implementation
- Tested and deployed virtual infrastructure, including the following based on your requirements: Hitachi Compute Blade servers, SAN switches, Hitachi Virtual Storage Platform and other Hitachi storage platforms
- Knowledge transfer regarding new infrastructure operation
- Recommendations for future actions

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**BENEFITS AND VALUE PROPOSITION**

- Cost-effective implementation performed by expert consultants using a tested methodology
- Minimized business disruption, which enables your IT staff to focus on the business
- Accelerated implementation
- Knowledge transfer, which provides initial guidance on how to use new infrastructure

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**Put Hitachi Data Systems to Work for You**

Take the next step. Contact Hitachi Data Systems to see how we can accelerate implementation of your virtual server, storage and SAN infrastructure and ensure your success. For more information, visit us at www.hds.com.