With a new, nondisruptive migration capability, Hitachi Data Systems can help drastically reduce your risk and more efficiently manage your entire migration process. Our migration services address people, process and technology, meet business requirements and eliminate business disruption.

**The Migration Challenge**

The adoption of new technologies is essential to improve performance and availability and to stay competitive. Yet, migrating to new technologies presents significant challenges. It is more than just migrating the data: it is people and process considerations.

- **Unexpected or Extended Downtime.** Detailed and careful planning must take place to satisfy business priorities, disaster recovery and application data requirements. It is also essential to identify windows in which downtime is acceptable and to prevent business disruption.

- **Schedule Overruns.** According to participants in a recent survey, only 64% of data migration projects were completed on time.

- **Budget Overruns.** A significant risk is the cost associated with a budget overrun. For that matter, overruns can directly affect budgeting for other IT projects as well as the profit-loss statement for the business.

Migration Services from Hitachi Data Systems help you to:

- Manage the entire migration process
- With the new, nondisruptive migration capability, significantly lower your risk during the migration
- Lower costs for the migration

**Migration: Many Phases, One Holistic Approach**

Our consultants leverage multiple techniques, matching the best option to requirements. They transparently move data between heterogeneous storage systems while servers stay online and applications keep running. This allows productivity levels to remain untouched.

Our consultants oversee the entire project and manage communications and expectations in the following phases:

- **Capture (Audit and Remediation).** We review the project scope, deliverables and methodology, and define the overall migration and transition objectives. We also discover and audit the current environment. We leverage a unique agentless tool to programatically scan the environment or to take outputs from similar discovery tools. In fact, our tool accelerates discovery.

- **Analyze.** We evaluate migration approaches, ensure common understanding and eliminate impacts to the business.

- **Prepare, Implement and Test.** We perform preproduction migration testing, verification and validation of the data migration.

- **Execute.** We migrate data and applications to the new environment. This critical phase is where our experts provide information on new tools, design and concepts.

**Migration Techniques**

*New in 2012, Hitachi Data Systems is introducing a nondisruptive migration capability for Hitachi Virtual Storage Platform. This new capability requires up to 90% less effort than the most common technique: host-based data migration. With server virtualization, hypervisor software (also called virtual machine monitor), like VMware, can assist with the data migration; however, the process is not as fast as migration with storage controllers. We draw from our experience to employ the most cost-effective and risk mitigating approach:*

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** Reduce Costs and Risks, Optimize Migration**

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**DATASHEET**

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**DATASHEET**
Nondisruptive migration capability for Hitachi Virtual Storage Platform

IP-based Host-based Migration Using Replication Technology (not storage-system-based replication)

Host-based Migration — Block. We use a number of tools, including VMware and Veritas Logical Volume Management.

Host-based Migration Using Server Virtualization. This includes VMware and IBM® System Storage® SAN Volume Controller (SVC).

Host-based Migration — File Copy and NAS. Tools include: Hitachi NAS Platform, powered by BlueArc®, Secure Copy, Hitachi Dynamic Replicator software, Arkivio auto-stor and Robocopy.

File System-based Data Replication. We employ a number of platform-specific tools, including InMage, and NAS-specific tools, including Hitachi NAS Platform, Incremental Data Replication, NetApp SnapMirror and EMC Celerra Replicator.

Appliance-based Migration.

With our focus, approach and experience, Hitachi Data Systems frees our customer IT staffs, such as server, storage and database administrators, to attend to higher priority work that is closer to their core competencies.

Dramatically Reduce Migration Costs, Risks and Total Cost of Ownership

While any migration requires careful planning and design, as well as meticulous execution, virtualization enables migration to happen in a way that is minimally disruptive and poses fewer risks than other migration methods.

Why Hitachi Data Systems?

Our service teams…

- Can leverage new nondisruptive migration technology for Virtual Storage Platform

Migration Services Proof Points

Migration Statistics

- Thousands of successful local and remote data migrations
- 25% 1PB+ SAN and 500+ servers: largest included 5000+ servers and 2PB+
- Transitions from EMC, IBM, HP, NetApp and others

Telco Provider Migrates Large Data Warehouse in Mission-critical Data Center

Situation

Migrate data to virtualized storage from one data center to another data center within very tight business timelines.

Solution

- Replicate virtualized storage to virtualized storage over 50km without impact on production.
- Take a best practices approach to replicate and migrate data using block-based remote data migration.

Bank Migrates Open Systems and Mainframe Data from Old Storage Equipment

Situation

Migrate multiple 3rd-party storage systems attached to 50 mainframe and open systems servers consisting of greater than 70TB of data to Hitachi Universal Storage Platform® V.

Solution

- Virtualize existing storage with Universal Storage Platform V technology.
- Migrate data to a new storage system in the background, reducing application down-time, as well as customer effort and involvement.

Your Success Is Our Top Priority

From meeting your requirements to consolidate, virtualize and realize the benefits of your new technology to implementing change management best practices or augmenting the skill sets of your storage team — Hitachi Data Systems Global Services can help.

Take the next step and contact Hitachi Data Systems to see how we can accelerate your time to success. Visit www.HDS.com.

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