FACT SHEET
DATA MIGRATION SERVICE

RAPID AND EFFICIENT DATA MIGRATION ACROSS YOUR STORAGE INFRASTRUCTURE
WITH NO APPLICATION DOWNTIME

Migrating data between different storage infrastructures is a real challenge for IT departments. Incompatibilities in utilizing host-based and disk-array tools, coupled with the associated impact to productive IT environments means that data migration is often a lengthy and costly activity, and often prohibitive in today’s “always-on” business requirements. Ongoing requirements for faster and more efficient access to data by business units drives IT to implement the latest storage infrastructure technology to keep ahead of the competition. Additionally the introduction of new business applications is accelerating and with it, data is distributed and reorganized on a frequent basis, dictating, that data migration is becoming a more frequent discipline for IT. The requirement for rapid, efficient migration of data, while maintaining maximum data availability to the business is becoming increasingly challenging.

CUSTOMER’S REQUIREMENTS
The experience gathered from a multitude of Fujitsu migration projects has highlighted the following requirements from our customers:

- Rapid migration of data with maximum data availability to the business and no application downtime
- No impact to server host performance and no agents to be used in migrating
- Migration of data between heterogeneous storage devices, supporting Fibre Channel and iSCSI host connectivity
- Data integrity retained – no manipulation of data format

THE FUJITSU SOLUTION
The Fujitsu data migration service makes use of a Fujitsu Data Migration Appliance, running FalconStor® Network Storage Server software, which is integrated into the customer’s SAN environment (requiring no re-cabling). Fujitsu consultants use the NSS to connect to the existing storage LUNs (requires no data format change), and new storage arrays connected to the SAN are zoned to the appliance. With the new storage in place, the existing data LUNs are mirrored to the new array, independent of storage vendor, RAID configurations and drive sizes.

The appliance provides block-level, synchronous mirroring between the two storage frames, and once synchronized, the mirrored copy is set to primary, and applications are left running on the new storage, with no interruption to data processing throughout this procedure.

CUSTOMER’S BENEFITS
This service provides data migration between storage devices to achieve:

- Rapid migration typically with no application downtime*
- Zero impact to server hosts, as it is fully storage-based
- Migration between storage devices from many vendors, independent of drive sizes and RAID configurations
- Retained data integrity through block-level data migration

SERVICE DESCRIPTION
Prior to service commencement, it is necessary for Fujitsu to perform a Fujitsu Data Migration Assessment (separate, chargeable service, order code FTSPS-ET-11005F, see separate data sheet). The output of this service enables Fujitsu consultants to create a detailed plan with you as to how your data will be migrated into your new storage environment.

*dependent on the host OS
The migration procedure is realized with the Fujitsu Data Migration Appliance. The service steps are performed as follows:

- **Integration of the Fujitsu Data Migration Appliance into the SAN**
  The appliance is integrated into the existing SAN environment, situated in the middle of the data path.

- **Migration of data**
  Once the appliance is in place, all data to be migrated is marked and scheduled for the migration process.

- **Removal of the appliance**
  After the migration of the data is complete, the appliance is removed from the SAN. During this process the Multipath-Software is modified on specific hosts to reflect the requirements of new storage devices (e.g. Fujitsu ETERNUS® DX series).

**SERVICE CONDITIONS**

The Customer agrees to the following conditions as pursuant to the delivery of the service defined:

- Provide all information necessary for planning--on or before the delivery date.

- Provide a customer contact available for the duration of the service to clarify questions and provide information, access and passwords where required.

- Understand that all work is performed during normal business hours

- Understand that the service will be delivered in consecutive days

This Storage IT Efficiency Service is provided under the conditions valid for Fujitsu America services.

**ADDITIONAL SERVICES**

Fujitsu Professional Services can assist you in every phase of your storage lifecycle. Whether you need help planning your next-generation storage system, need an extra set of hands for a major storage deployment, or want to optimize your existing infrastructure, Fujitsu service personnel have the skills to assist you in meeting your ongoing storage infrastructure goals. Fujitsu offers a complete portfolio of related services, including consulting, design, implementation, and support services.
DATA MIGRATION SERVICE

The Data Migration Service is available from your local Fujitsu America sales office. When ordering please quote:

<table>
<thead>
<tr>
<th>Title</th>
<th>Data Migration Service</th>
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<tbody>
<tr>
<td>Order Code</td>
<td>FTSPS-Wx-Custom</td>
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(Note: Data Migration Service may require a Work Order Agreement)

FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at: www.fujitsu.com/global/about/environment/

FUJITSU PROFESSIONAL SERVICES

In addition to the Data Migration Service, Fujitsu provides a range of IT Efficiency services, which enable customers to maximize the efficiency and effectiveness of their IT infrastructure in support of their business goals.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions, and services, ranging from clients to datacenter solutions, Managed Infrastructure, and Infrastructure-as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

- PRIMERGY®: Industrial strength server
- SPARC Enterprise®: UNIX® server
- PRIMEQUEST®: Mission-critical IA server
- ETERNUS: Storage system

Software

http://solutions.us.fujitsu.com/
ABOUT FUJITSU AMERICA

Fujitsu America, Inc. is a leading ICT solutions provider for organizations in the U.S., Canada and the Caribbean. Fujitsu enables clients to meet their business objectives through integrated offerings including consulting, systems integration, managed services and outsourcing for enterprise applications, data center and field services operations, based on server, software, storage and mobile technologies. Fujitsu provides industry-oriented solutions for manufacturing, retail, healthcare, government, education, financial services and communications sectors. For more information, please visit: http://solutions.us.fujitsu.com/.

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FPC08-3026-01 01/12.
FQ_111410