



NetApp™
Go further, faster



Software

NetApp Data Motion

Always-on data mobility for unified storage

KEY BENEFITS

Live data migration

Migrate data nondisruptively while your applications keep running, allowing 24x7 client access in physical and virtual environments.

Simplified lifecycle management

Schedule maintenance windows, scale capacity, and refresh infrastructure without the impact of planned downtime.

Flexible service levels

Adjust service levels with on-demand load balancing.

Enhanced virtual infrastructure

Integrate with all virtual server environments, including host-based migration technology.

THE CHALLENGE

Achieving always-on availability

Shared multi-tenant infrastructure yields great benefits in asset utilization, cost, and flexibility. There are also new challenges, since a single outage can have greater impact because many of your users and clients access the same physical system and storage components. This can make the task of scheduling equipment maintenance and technology upgrades increasingly difficult.

The requirement to keep your IT environment running 24x7 necessitates the ability to move clients, applications, and data dynamically and transparently across your physical infrastructure while routine lifecycle management activities occur. Additionally, you need to balance performance while optimizing cost to maintain SLAs without experiencing system downtime.

THE SOLUTION

NetApp Data Motion

NetApp® Data Motion software lets you easily and quickly migrate data across multiple storage systems while maintaining continuous user and client access to applications. Fully integrated with the Data ONTAP® software platform, Data Motion integrates three proven NetApp software technologies—MultiStore®, SnapMirror®, and Provisioning Manager—to provide live

data migration for your shared storage infrastructure. The result is that you can manage your physical or virtualized data center environment nondisruptively.

LIVE DATA MIGRATION

NetApp Data Motion lets you move data for either physical or virtual storage infrastructure without the need for planned downtime normally associated with storage capacity growth, lifecycle management, technology refresh, and system balancing. All data migration operations are performed while your applications continue to run, and since this is done at the storage array level, there is no performance impact on host systems. For ease of operation and control, all data movement is initiated and monitored from an intuitive management interface where source and destination storage systems are selected. Once data migration operations are complete, all applications and clients are transitioned seamlessly to the destination system.

SECURE MULTI-TENANCY

Data Motion leverages NetApp MultiStore technology to facilitate that all data migrations are secure and optimized for multi-tenancy. Data volumes are grouped into independent storage partitions, which belong to individual users, clients, and/or applications. This simplifies and accelerates the data migration process and facilitates

that each data partition is isolated with secure access to meet the requirements of multiclient hosting environments.

For virtual server deployments, several VMs and their related data can be grouped and moved together, thus enabling consolidated migrations across storage systems. And since Data Motion is hypervisor agnostic, it can be integrated with any host-based VM and data mover technology to achieve an optimal level of migration granularity.

SIMPLIFIED LIFECYCLE MANAGEMENT

NetApp Data Motion can eliminate the traditional IT outages required for storage capacity expansion, scheduled maintenance, technology refresh, and software upgrades. As a result, you will be able to schedule upgrade and maintenance windows easily without service interruptions for planned downtime. You will be able to grow storage capacity on demand and take advantage of newer, more cost-effective storage technolo-

gies as they become available. This flexibility is particularly valuable for management of equipment leasing schedules and for the retirement of older systems.

FLEXIBLE SERVICE

To manage service level expectations, it is often necessary to adjust storage system performance by load balancing data across multiple storage systems. With NetApp Data Motion, you can balance performance dynamically without the need to physically reconfigure your storage systems. As you grow your user and client base, it is therefore possible to maintain and adjust SLAs with application transparency and transaction integrity.

SUPPORT AND AVAILABILITY

NetApp Data Motion support will be available with Data ONTAP release 7.3.3. Software licenses for MultiStore, SnapMirror, and Provisioning Manager are also required. Supported protocols include NFS and iSCSI.

PARTNER FOR SUCCESS

When you partner with NetApp, you get the benefits of a fully tested solution, the expertise of our Professional Services and Global Support teams, access to our innovative technologies, and the provision of best practices. We can respond quickly to your problems, no matter where in the world they occur, and since we have one of the most flexible support programs in the industry, you get exactly the support you need for your unique IT and business requirements.

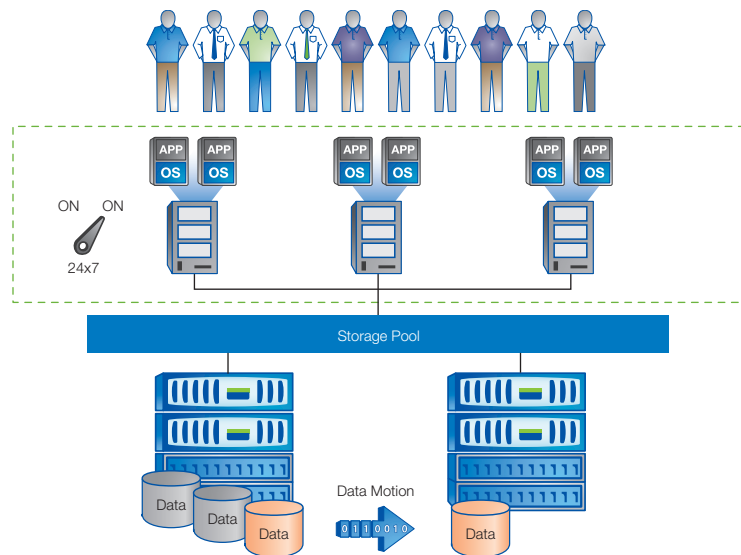


Figure 1) NetApp Data Motion provides always-on data mobility.