



Highlights

- Enable movement of volumes and data sets to local or remote systems without disruption to applications
 - Seamlessly migrate data to new storage with automatic swap capabilities for continuous availability
 - Consolidate your heterogeneous storage solutions to reduce complexity and operating costs
 - Improve performance and capacity by dynamically optimizing the workload balance across storage resources
 - Reduce risk of data loss by tracking and validating data transfer using a standard data mobility process
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IBM data mobility storage solutions for IBM Z

Move your mainframe data anywhere, anytime with continuous application availability

Moving or migrating data can have potentially serious effects, including planned or unplanned downtime, loss of revenue, unavailability of crucial applications and erosion of end-user experience. To ensure a productive data migration, you need careful planning, with efficient IBM solutions that are less complex, yet compatible with multivendor storage environments. These solutions should provide end-to-end, nondisruptive data mobility to help you avoid the risk of data loss while ensuring data integrity and continuous availability.

IBM offers advanced data mobility solutions for mainframe environments. IBM® Transparent Data Migration Facility (TDMF) moves volumes across storage systems, and IBM z/OS® Data Set Mobility Facility (zDMF) moves allocated data sets while the applications remain continuously online and available. TDMF and zDMF are powerful host-based software solutions that enable local or global data mobility for storage attached to IBM z/OS mainframes across multivendor environments. They deliver continuous application availability, reduced risk of data loss and high data integrity.



Helping enable continuous application availability

The IBM data mobility offerings for IBM Z® have dynamic swap capabilities that facilitate nondisruptive data migration by transparently directing input/output (I/O) from the source to the target storage. Their industry-leading switchback facility helps maintain application availability by enabling fallback to the original source configuration for consistent group migrations at the volume and data-set level. The entire data-movement process is automated, which helps prevent manual intervention that could affect the performance and availability of storage subsystems.

Balancing workloads across storage resources for better performance

Enterprise storage systems are typically configured to support specific workloads. A thorough optimization of resources is planned to deliver the best performance and optimized capacity—but a business workload behavior is always evolving. As time passes, some workloads change in importance, others emerge to support new business requirements, and many disappear. The dynamic behavior of workloads creates hotspots and fragmentation, negatively impacting overall performance. To avoid this degradation, it is necessary to periodically rebalance the workloads, that is, relocate them in the storage resources to maximize performance and capacity. TDMF and zDMF can rebalance workloads across volumes, data sets and storage systems, improving performance and optimizing capacity while the applications remain online and available.

Facilitating compatibility with multivendor storage environments

TDMF and zDMF work in multivendor storage environments and support virtually any mainframe-compatible storage hardware, irrespective of manufacturer or microcode level. Their ability to work in heterogeneous storage environments can help you save time and money, and reduce the complexities associated with migration of large quantities of data for consistency groups. And it can provide more flexibility to change or add storage vendors when refreshing storage technology.

Tracking and validating the migration process to help prevent data loss

These data-mobility solutions help you avoid the risk of data corruption or loss, and help ensure the integrity and availability of your critical business applications during the migration process by tracking and validating data transfers. Their nondisruptive data mobility process helps in migrating data more quickly and easily, while maintaining data integrity and enhanced performance of critical applications—as well as reducing migration requirements through the dynamic pacing feature of the software. Using these host-based software solutions enables you to adopt new technologies more quickly and help ensure that your applications remain online and available.

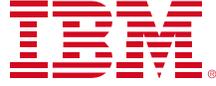
Why IBM?

By integrating proven IBM best practices and expertise, IBM can help you minimize the risks, costs and potential for application outages associated with the data mobility. The IBM data mobility storage solutions have been designed, developed and tested in conjunction with the IBM Z and IBM Storage teams. This deep integration delivers trust to execute data movement operations in mission-critical scenarios. This is why IBM has successfully executed more than 2,500 nondisruptive migrations in more than 800 organizations worldwide.

For more information

To learn more about IBM Transparent Data Migration Facility (TDMF) for z/OS visit:
ibm.com/us-en/marketplace/transparent-data-migration-facility

To know more about IBM z/OS Data Set Mobility Facility, please visit:
ibm.com/us-en/marketplace/zos-data-set-mobility-facility



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