Transparent data migration facility (TDMF)

All Platforms		
Feature	**Function**	**Benefit**
Storage-vendor independence	Host-based software migrates data to and from devices from any manufacturer	Supports flexibility in vendor choice and provides negotiating power
Flexible Migration Options	Provides control over I/O rate and CPU overhead for: Read/write pacing/throttling, tunable copy and replication rate, and adjustable block size of each read/write	Enables online migration activity while maintaining optimal application performance and service levels
Resilient Architecture	Current state of migration is maintained at all times, regardless of graceful or non-graceful shutdown to ensure continued/ recoverable migration	Migration process continues in event of server shutdown and restart
Global Migration via TCP/IP	Enables distance and network migration	Maximizes flexibility and allows for remote data migration
Unix / TDMF (IP) Open Systems Features		
Dynamic Switchover	Automatically switches the Source and Target volumes so that the old storage can be removed dynamically	Allows data to migrated without disruption
Common Console across Open Systems	View and execute migrations in multiple environments from a single console	Easy view and management large migrations or multiple migrations across the enterprise
Multi-threaded Copy	Run multiple migrations per single volume	Increase speed of migration up to 4x faster
Volume Group Tagging	Enables a group of migration volumes to be collectively migrated without disruption	Easy management of large migrations
Dynamic Driver	Provides ability to migrate to multiple targets during a migration	Delivers the ability to create test beds, online backups

z/OS Features		
Dynamic Swap	Automatically directs I/O to new location after data replication completes	Allows data migration without disruption
Dynamic Pacing/Throttling	Migration rates change automatically	Prevents impact to application performance
Auto operations interface	Completely automates migration sessions, with no human intervention required	Increases productivity by automating redundant activities
Fast Copy	Copies only allocated and modified tracks/cylinders on the source volume to the target volume	Speeds migrations. Decreases costs.
Full Speed Copy	Allows use of two I/O buffers for volume migration, with overlapping read and write operations	Faster performance for times when speed counts most
Active-In-Copy	Moves large amounts of data without setting up multiple small groups. Limits the number of volumes in the “copy” phase without consideration to the size of group	Minimizes impact to the storage subsystem when migrating large databases or applications
Session Assistant	Simplifies the creation of migration sessions	Lets you easily create multiple sessions
Robust Interfaces	Fully functional command line, ISPF screens or Common Console for configuration, monitoring and operation	Easy configuration, monitoring and operation