



The Softek TDMF UNIX (IP) architecture uses TCP/IP to perform data transfers.

Aligning performance with application needs

Application availability and performance are paramount in any migration. The Softek TDMF UNIX (IP) offering provides distinctive capabilities to adjust its performance and overhead to align with the needs of the production application.

Softek TDMF UNIX (IP) can be adjusted for activity on the production system to allow applications to continue to run virtually unaffected. Through this mechanism, the user has control over:

- *The maximum bandwidth used by the migration*
- *Network block sizes*
- *Thread and connection concurrency through volume grouping.*

In addition, the Softek TDMF UNIX (IP) offering uses advanced buffering, compression and networking techniques to allow it to run over slow and unreliable networks.

Testing with checkpoint copies

In most distance migrations, it is prudent to perform test cutovers prior to the actual cutover to ensure that all the resources are available and working in the new location. The Softek TDMF UNIX (IP) offering provides a checkpointing mechanism that allows the user to get application-consistent, point-in-time copies of data at the remote location for testing. Logical volumes can be resynchronized after the test without resending all the data.

Moving data with the Softek TDMF family

The Softek TDMF family of products is designed to move data volumes online locally or over distance, across platforms, and to and from virtually any storage hardware with minimal or no effect on application availability.

With a ten-year track record of reliability, the Softek TDMF offering has become an industry leader in moving data, and it is an ideal software to use when upgrading storage and servers or consolidating and relocating data centers. The products are available in the form of a software license, a project engagement or an element of a managed service agreement.

Softek TDMF UNIX (IP) platform features, functions and benefits		
Feature	Function	Benefit
Storage vendor independence	Host-based software migrates data across leading storage environments	Supports flexibility in vendor choice and provides negotiating power
Flexible migration options	Provides control over input/output (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, regardless of graceful or nongraceful shutdown, to help ensure continued recoverable migrations	Migration process can continue in the event of server shutdown and restart
Global migration via TCP/IP	Enables network migration	Optimizes flexibility and allows for remote data migration
Common Console across open systems	View and execute migrations in multiple environments from a single console	Easier view and management of large migrations or multiple migrations across the enterprise
Volume grouping	Enables a group of migration volumes to be collectively migrated without disruption	Easier management of large migrations

Note: The Softek TDMF UNIX (IP) offering supports IBM AIX, HP-UX (Precision Architecture-Reduced Instruction Set Computing [PA-RISC]) and Intel® Itanium® processors), Sun Microsystems Solaris and Red Hat Enterprise Linux operating systems. TDMF technology is also available for IBM z/OS® and Microsoft® Windows® operating systems.

The Softek Nonstop Data Mobility™ offerings from IBM provide a simple, unified solution for moving data without disrupting the enterprise environment—a critical component to IT operational practice.

Why IBM?

IBM, with the acquisition of Softek, combines a comprehensive data migration solution with its existing worldwide delivery expertise in data management in storage array, host and virtualized IT environments. IBM's proven methodology and best practices, together with its worldwide network of IBM Business Partners,

can help you increase the flexibility, efficiency and reliability of moving data, supporting your ability to respond more quickly to marketplace dynamics.

For more information

To learn more about the IBM Migration Services for data – Softek TDMF UNIX (IP) offering, contact your IBM sales representative or IBM Business Partner, or visit:

ibm.com/services/storage/migration



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06-07
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