

SYSTEM HIGHLIGHTS

- **Enterprise Scalability:**
mvEnterprise is nearly limitless in its ability to support high-end business solutions.
- **Ease of Administration:**
Standard system administration including time-saving features and administration tools.
- **Interoperability:**
Leverages the full capabilities of AIX with support for a wide variety of hardware peripherals and communication tools.
- **Seamless Interface:**
Combines the easy-to-use, powerful hierarchical Pick multidimensional database model with the performance and flexibility of AIX.

TigerLogic helps companies make better use of their data through proven data management and rapid application development products for creating Enterprise and Web-centric business software.

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PERFORMANCE AND FLEXIBILITY

mvEnterprise® offers the ease of use and power of the multidimensional database model, with the performance and flexibility of AIX. Open Architecture and AIX interoperability tools provide a seamless interface between mvEnterprise and AIX. mvEnterprise features many enhancements for high-performance and effective administration. Compatibility with other multi-value environments provides a near seamless migration from R83, OA, Ultimate, Reality and Prime Information.

mvEnterprise and AIX

mvEnterprise is designed to fully leverage the capabilities of the AIX operating system while maintaining compatibility with the easy-to-use multi-value environment. Each individual mvEnterprise user is an independent AIX process, scheduled and controlled by AIX. In addition to providing complete symmetric multiprocessor (SMP) support, this technique ensures proper load balancing of memory, CPU and other resources between AIX and mvEnterprise processes.

AIX interoperability tools allow mvEnterprise plus other multi-value databases and AIX to cooperatively coexist and share data. Extensions to BASIC allow AIX files to be accessed from within the mvEnterprise environment. AIX commands may be executed from TCL or BASIC programs and mvEnterprise commands may be executed from AIX. The ability to redirect or pipe process output between mvEnterprise and AIX allows mvEnterprise processes to utilize AIX communication facilities. The two environments may share printers.

Optimized Performance

B-tree indexing provides improved data access performance. Spooler functions have also been optimized for enhanced throughput. Features such as multithreaded tape operation, reduced lock contention and improved group/record lock algorithms maximize the benefits of the SMP architecture.

Uncomplicated, Effective Administration

mvEnterprise administration tools not only provide standard system administration, but also allow for analyzing system performance and problems. Additional tools allow keyboard and screen capture and playback to analyze a user problem. The Tandem command may be used to view and modify another user's process. The ability to have multiple mvEnterprise databases on the same hardware simplifies testing, training and system upgrades.

Time saving features such as incremental save and restore, multithreaded tape operations and enhanced PQVF overflow handling reduces the time and effort involved in standard administration tasks. The background process schedule allows system administration tasks to be initiated automatically at a pre-specified day and time.

With mvEnterprise you can:

- Quickly and easily port applications from other multi-value systems.
- Leverage the full capabilities of AIX with support for a wide variety of hardware peripherals and communication tools including X.25, TCP/IP, uucp and Telnet.
- Track system events with utilities, gaining insight into how applications use mvEnterprise to achieve reliability and performance in real-world applications.
- Benefit from the advanced communication features of AIX and a wide variety of hardware peripherals supported.
- Gain optimized performance through the many design enhancements in mvEnterprise BASIC and ACCESS.

Reliability and High Availability

mvEnterprise is designed to maximize system up time. File resizing can be done without a file save/restore. Multithreaded and/or incremental save and restore functions reduce the time required to save/restore the system.

mvEnterprise includes a set of support utilities that track aborts and other system events. The data gathered by these tools allow field problems to be resolved quickly and reliably. The Transaction Logger is a system backup utility providing a direct means to resolve event failure in case of system outage. Updates may be written to tape and/or a hot standby machine via an Ethernet connection. mvEnterprise Transaction Logging is optimized for high volume systems and can handle instantaneous data influx rates in the 2 GB/hour range.

Scalable for High-End Solutions

With mvEnterprise, up to 4,000 users may access a single database. Disk space can be added to the database without a save/restore cycle. Only an mvEnterprise shutdown and coldstart is necessary to add the additional disk. Support for multiple CPU and RAM allocation is managed by Unix and limited only by AIX capabilities.

Open Data Architecture

Open Data Architecture (ODA) is an optional feature that provides a standard mechanism for handling non-file entities as if they were standard mvEnterprise files. Q-pointers allow access to multi-value data on a remote system, local AIX data, CD-ROM data, remote Unix data or remote DOS data. ODA allows enterprise-wide data to be transparently distributed across multiple systems without making application changes.

FEATURES:

MULTIDIMENSIONAL DATABASE:

Advanced Multi-Value Database:

- R83, OA compatible with extensions for Ultimate, Reality and Prime Information
- High-performance BASIC compiler and run-time with the compiler having saved object capability
- Extended BASIC debugger tool
- Powerful BASIC development language that includes many features such as system variables (@DATE, @TIME, etc.) and the RECORDLOCKED command
- Enhanced English-like access query language, ACCESS, with a multitude of modifiers and options such as SAMPLE, MIN, MAX, etc.

- Unlimited item size, file size and multi-value file opens
- B-tree indexing
- TCL Stacker
- Optimized overflow management
- NEWPROC (PQN) support
- File Item Editor (ED)

AIX Interoperability Features:

- Read/Write AIX files
- Execute AIX commands from TCL or BASIC programs
- Execute mvEnterprise commands from AIX
- Ability to pipe between mvEnterprise and AIX
- Shared printers
- ODA for access to files outside of current mvEnterprise database

Scalability Features:

- Supports up to 4,000 users
- SMP support provided by AIX
- Supports up to 8 terabytes of disk in a single database
- Memory managed by AIX
- Spooler supports up to 32,767 entries, form queues and printers. Allows printers to be shared with AIX.
- Up to 32 tape devices supported
- Pseudo tape

Administration Features:

- Transaction Logging (written to tape and/or hot standby mvEnterprise system)
- Robust file resizing utilities
- Multithreaded save/restore
- Tandem, Break
- Warmstop/Warmstart
- Performance monitoring utilities
- Background process scheduling
- Phantom processes
- Password aging and global logon
- Multiple mvEnterprise virtual machines possible on one physical system for testing and security reasons
- Save/Restore monitoring and VERIFY-SAVE utility
- Add disk without need for file save/restore
- Tape-to-tape copy and multiple tape attachments
- Level pushing
- Enhanced spooler with support for Reality spooler menu and named form queues
- Reallocation and resize utilities
- Terminal input/output capturing (COMO files)
- NICE command for changing process priority
- VERIFY-DATABASE, line ANALYZE, COMATIZE, GROUP-ANALYZE utilities

Contact Information

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