

Middleware Solutions for MPE

THE INTELLIGENT BRIDGE BETWEEN MPE AND OPEN SYSTEMS

- **BridgeWare™**, Hewlett-Packard's choice for HP 3000 data warehousing, facilitates the data movement process of MPE files to an Oracle RDBMS
- **SharePlex Bridge™** enables real-time or scheduled export of legacy MPE transactions to UNIX, NT and PCs
- **NetBase® Client** provides direct access to MPE files and TurboIMAGE databases from UNIX and PC applications with standard calls or OMNIDEX calls
- **NFS/iX™ Server for MPE** is the de facto standard for transforming the HP 3000 into a file server for other open system NFS clients

Accessing the Power of MPE-based Legacy Systems from Open Systems

As business-critical databases and information systems continue to grow exponentially, so does the need to obtain data from legacy applications or databases and transition them to new platforms and data structures. Keeping legacy systems in synchronization with open systems is a complex and time-consuming task. Database size alone usually prohibits downloading all vital legacy data in a format that can be easily selected, converted and loaded into new systems.

Regardless of these obstacles, IS managers are faced with the difficult task of providing current data to all systems. To gain harmonious coexistence of MPE and open systems in the corporate network, it is imperative to adopt an automated process that allows transparent access to legacy data from emerging systems.

The Gateway to Open Systems Environments

Quest Software's Middleware Solutions for MPE define a common gateway to open systems environments that is flexible and easy to use, allowing heterogeneous platforms and relational database management systems (RDBMS) or file structures to coexist with seamless efficiency. These solutions make resources on any system on the network available to all users. Files, databases, printers, and programs can be transparently shared among users within a network configuration, regardless of geographic location.

MPE and open systems coexistence provides transparent programmatic access to transactions with intelligent mapping facilities designed to provide continuous, seamless, and real-time or scheduled movement of data from MPE to other platforms and RDBMSs. Quest Software addresses these needs with the following middleware solutions: BridgeWare, SharePlex Bridge, NFS/iX, and NetBase Client.

BridgeWare™: Continuous Data Synchronization from HP 3000 to Oracle or SQL Server Databases

BridgeWare™, the cooperative endeavor of Quest Software and Taurus Software, enables data movement between HP 3000 and open systems. BridgeWare addresses one-time data migration; continual data movement to data warehouses, data marts or new open system applications; and consolidates data into a centralized common database. BridgeWare provides real-time or scheduled posting of TurboIMAGE, KSAM, or updates to MPE files to Oracle RDBMSs running on UNIX or NT systems, giving users the power to access and update data across multiple platforms. BridgeWare boosts the power of MPE by:

Middleware Solutions for MPE

THE INTELLIGENT BRIDGE BETWEEN MPE AND OPEN SYSTEMS

- Automatically creating target file structures in Oracle or SQL Server databases
- Passing real-time or scheduled extractions to the transformation engine as data moves to heterogeneous file structures or RDBMSs
- Automatically resolving data differences between MPE and Oracle
- Instantly generating scripts for multiple functions

SharePlex Bridge™: Real-time Capture and Export of MPE Transaction Data

SharePlex Bridge™ acts as a bridge between MPE legacy systems and open systems. It provides real-time or scheduled capture of transaction data on MPE, enabling open-systems RDBMSs such as Informix, Sybase, CA-Ingres and other popular file systems to access HP 3000 data. SharePlex Bridge makes data available through an open format and standard ASCII text to applications running on UNIX or NT platforms. The ASCII text makes it easy for applications on open systems to fully understand sequence, timing, before- and after-record images, and transaction type, eliminating costly errors in sequence handling and problems created by changes in the database. For automatic data capture, SharePlex Bridge:

- Automatically generates logs in ASCII formats for easy access and processing by many industry standard data movement tools
- Associates data sets within a database, or within a single file, with a specific transaction or message file for real-time access
- Maps time-sequenced transaction files to specific data file structures

NetBase® Client: Intuitive Programming Interface for Direct Client/Server Technology

NetBase® Client provides a strategic solution for legacy systems to interface with open systems. Using Quest Software's NetBase caching, NetBase Client significantly increases access speeds and minimizes overhead. NetBase Client simplifies the programmer's job of creating client/server applications or re-engineering existing applications. NetBase Client offers a complete set of APIs that give UNIX, DOS, and NT client/server applications direct read and write access through standard 16- or 32-bit TurboIMAGE, OMNIDEX or MPE intrinsic calls to data residing in MPE files, KSAM files and TurboIMAGE databases on HP 3000 systems.

By implementing NetBase Client APIs with UNIX or Windows applications, IS managers can cut development time in half. NetBase Client APIs help IS staff quickly implement applications that are tightly integrated with existing HP 3000 systems using simple recompiles with DLLs for Oracle, Informix, Sybase, Excel, or any of the other DOS/UNIX/Windows tools available. Finally, NetBase Client allows RPC calls to be executed on the HP 3000 via the NBRPC interface. Greatly increasing functionality and versatility, NetBase Client also:

- Reduces operating system user licensing by providing multiple simultaneous node access to remote files without remote logons
- Enables logical transactions in client/server environments with DBXBEGIN/DBXEND intrinsics
- Performs remote procedure calls to load and execute
- Works with many client/server development packages

NFS/iX™: Transparent Network File System Access

NFS/iX™ allows HP3000 systems to coexist with open systems in the same network by allowing transparent access to and from its file system. NFS's client/server design opens files for distributed access between different systems without demanding network transfers. UNIX file access is possible from MPE operating systems with full POSIX shell user commands. To bridge HP 3000 and open systems, NFS/iX:

- Transforms an HP 3000 into a file server for other NFS clients
- Allows MPE users to access files residing on other open systems supporting NFS
- Supports shared printer access

Summary

Keeping legacy systems in synchronization with open systems is a complex and time-consuming task. To promote harmonious coexistence between MPE and all other open systems in the corporate network, it is imperative to adopt an automated process that allows transparent access to legacy data from emerging decision-support systems. Quest Software's Middleware Solutions for MPE address these needs by defining a common gateway to open systems environments that is flexible and easy to use, allowing heterogeneous platforms and relational database management systems or file structures to coexist with seamless efficiency.

Middleware Solutions for MPE

THE INTELLIGENT BRIDGE BETWEEN MPE AND OPEN SYSTEMS

Middleware	Output Management	High Availability
<ul style="list-style-type: none">• Data movement• Data migration• Data marts• Data warehousing• Data access• Direct interface• File mounts• Consolidated replication	<ul style="list-style-type: none">• Managing print files• Local printing• Network printing• Coexistence printing• Electronic report distribution• Data center automation• Report availability• Report warehousing	<ul style="list-style-type: none">• Disaster recovery• Replication• Clustering• File copying• Software distribution• Scenario generation• Workload balancing

For more information on Quest Software's Middleware Solutions, please call 949.754.8000 or visit us at www.quest.com.



8001 Irvine Center Drive
Irvine, CA 92618
www.quest.com
e-mail: info@quest.com
US and Canada 949.754.8000
Please refer to our Web site for regional and international office information.



© 2002 Quest Software, Inc. NetBase is a registered trademark of Quest Software. BridgeWare, SharePlex Bridge, and NFS/iX are trademarks of Quest Software. All other brand or product names are trademarks or registered trademarks of their respective holders.

Part No. MID-MPE-DS_1101