



Using PDM to Successfully Migrate Applications

IBM Server *Proven*



Data movement associated with application migrations is a large, complex and time-consuming task. Timely and accurate data movement is extremely critical to the overall success of migration projects. Alebra has addressed this challenge using existing facilities and new capabilities directly aimed at application migrations. Below are listed four key areas where Alebra's PDM provides excellent value for migration projects.

Active Data Migration

For conventional application migrations, hundreds, if not thousands of data files must be migrated to the new platform. These files are typically migrated numerous times for initial testing and parallel test runs. Ultimately, these files are migrated a final time prior to application cutover. PDM provides the ability to automate these file movements and significantly reduce the window of time required for this data migration.

Duplication / Synchronization of Active Data

After application cutover, often data must be shared with applications that remain on the mainframe. With the increasing size of data stores and shrinking time available for data synchronization, the highest speed data transfer available must be used to meet application service level agreements. PDM provides the fastest data transfer available in the industry.

Access Active Data from the z/OS Mainframe

With PDM, an additional option for application migration is available. Instead of collocating data on the new platform, data that needs to be shared with remaining mainframe applications can remain on z/OS and directly accessed by the migrated programs on Linux, UNIX or Windows.

For Sequential, Partitioned accessed as Sequential or VSAM datasets, calls to Alebra's PDM Application Program Interface (API) are available to provide file access. For COBOL programs, Alebra provides a much easier and seamless method to these file types using our interface with the Micro Focus Server products.

For DB2, Alebra provides two methods for programs to access z/OS DB2 data. One method is a high performance, low-overhead facility that

is compatible with IBM's DB2 Connect product. Programs in any language supported by DB2 Connect that contain embedded SQL are also supported by Alebra. A second method allows existing mainframe COBOL programs a means to execute on Linux/UNIX/Windows and continue to use the full range of z/OS DB2 calls.

Historical/Archived Data Migration or Access

Regardless of whether active data is migrated or accessed from the mainframe, retaining access to historical data is required. These data stores are typically huge in total size and often contained in hundreds of thousands of files. Most often, these files are located on tape or virtual tape and may likely be controlled by the z/OS Hierarchical Storage Manager (HSM). Using PDM's automation techniques, high speed transfers, direct support of tape and virtual tape and direct interface to HSM; these files can be either migrated to the new platform or directly accessed from mainframe devices.

About PDM

Parallel Data Mover™ (PDM) is a server-to-server bulk data access and data movement application with robust client interfaces providing a reliable way to share or transfer large volumes of data with the speed advantages of parallel data streaming technology. Contact Alebra today to discover how PDM can help you move and access your data, faster than ever before.