The mainframe’s performance and stability has made it the workhorse for your company’s most critical big-data applications. But it also presents challenges to achieving complete enterprise data integration. While you’ve been investing substantial time and money developing a world-class mainframe solution, your company has increasingly been moving to open systems for decision support and data warehousing. And that means the gulf of data disconnect is widening. On one side, you have the company’s most prolific source of data; on the other, the core applications responsible for transforming this data into actionable business insights. How do you bridge the gap?

With Ascential Software and DataStage Enterprise Edition MVS.

DataStage® Enterprise Edition MVS: The Best of Both Worlds

Leveraging select capabilities of the Ascential Enterprise Integration Suite, DataStage Enterprise Edition MVS gives users full, native support for both mainframe and client-server environments in a single data integration platform. This provides IT departments with the flexibility required to choose the solution that’s right for them, whether that means integrating data between applications and databases on the mainframe, or between the mainframe and open systems. In addition, DataStage Enterprise Edition MVS provides robust support for metadata management and analysis, and data quality monitoring, enabling you to manage and control your organization’s vital information. With DataStage Enterprise Edition MVS, you can understand and manage all your corporate information assets from any computer platform with one solution-one design paradigm, one data integration tool, one learning curve, and one repository-and all of it supported by one vendor.

The Ascential Enterprise Integration Suite transforms your corporate data into “Intelligent Information” - information that is reliable, relevant and complete - so you can maximize your IT investments and make the best business decisions possible, based on the most accurate, current information available.

That’s because it’s the only integrated solution to deliver on the vision of the real-time enterprise. Our service-oriented architecture is part of a platform of services that includes parallel processing, end-to-end metadata management, and complete connectivity to support real-time data profiling, quality and transformation with inherent Native Language Support. The result is on-demand data integration - from any source, anywhere, at anytime - regardless of the data volumes or complexity.
Native COBOL Support

DataStage Enterprise Edition MVS consolidates, collects and centralizes information from various systems and mainframes using native COBOL generation and a single design environment.

DataStage Enterprise Edition MVS generates COBOL applications and the corresponding custom JCL scripts for processing all mainframe flat files, IBM DB2 data, IMS data, and Teradata. Users can also integrate custom in-house applications into the design as part of the overall data integration process. For UNIX/Windows NT projects, Enterprise Edition MVS provides the facilities to generate data files that are ready for loading or processing and the data movement steps (i.e. FTP) to push that data to the target machine. For international data needs, DataStage Enterprise Edition MVS is certified to process and manage double-byte data structures.

Also featured is a single, shared-jobs meta data repository that allows mainframe jobs to participate in applications next to client-server jobs. This reduces administrative complexity, and boosts the performance of extracting, loading and transforming data across mainframe and client-server implementations.

Summary: Data is extracted from applications or mainframe databases/files and is transformed on the mainframe

Processing Flexibility

DataStage Enterprise Edition MVS gives you the option to perform the initial data-reduction process on the mainframe. This helps balance workloads and minimizes network traffic, since mainframe-resident processing reduces the size of the data sets.

It also allows data on a z/OS to be extracted and processed within the same environment.

Single-Platform Integration

DataStage Enterprise Edition MVS employs a single interface for the entire infrastructure, including any combination of mainframe, UNIX and Windows NT/2000 sources. This ensures optimized performance today, and optimum flexibility for upgrading to new configurations tomorrow.

Support for Complex Data

DataStage Enterprise Edition MVS supports the collection, integration and transformation of high volumes of data, with data structures ranging from simple to highly complex. DataStage Enterprise Edition MVS manages data arriving within seconds of being acquired, as well as massive quantities of data that flood the system in daily, weekly or monthly processing intervals.
Multiple Source and Target Support

DataStage Enterprise Edition MVS supports a virtually unlimited number of heterogeneous mainframe data sources and targets in a single job.

Real Time Data Integration Support

DataStage Enterprise Edition MVS can be configured to process messages, or to extract data at a moment’s notice, to meet business needs.

Performance and Scalability

DataStage Enterprise Edition MVS leverages system resources, such as multiple CPU environments, and delivers top performance in every phase of data integration. Large data volumes requiring throughput are processed on the mainframe, taking advantage of its powerful platform.

Advanced Maintenance And Development

DataStage Enterprise Edition MVS gives developers maximum speed, flexibility and effectiveness in building, deploying, updating and managing their data integration infrastructure, without requiring specific mainframe-oriented products and skills. Productivity features reduce the learning curve, simplify administration, and maximize development resources.

Complete Development Environment

A robust graphical palette helps developers diagram data flows through their environment. The data flows can be joined, aggregated, and transformed using built-in or custom business rules.

Versioning

DataStage Enterprise Edition MVS provides a language template that developers can populate and reuse in mainframe jobs. Versioning extends the development scope to multiple developers or servers.

Enterprise End-To-End Meta Data

Meta data integration is the glue of the data integration infrastructure, crucial for maintaining consistent, clear and accurate analytic interpretations. End-to-end meta data sharing among all the tools that make up the data ecosystem produces a clear, unambiguous picture of the business.

When mainframe jobs are processed in conjunction with client-server jobs, the meta data is integrated across both environments. DataStage Enterprise Edition MVS provides maximum meta data integration and sharing among the industry’s most popular data modeling, data integration and business intelligence tools.
Technical Specifications

DataStage Client
- Windows NT, Windows 2000, Windows XP

DataStage Server
- Windows NT/2000/2003 (coming soon)
- IBM AIX
- HP Compaq Tru64
- HP HP-UX
- Red Hat Enterprise Linux AS
- Sun Solaris

DataStage Enterprise Edition MVS
- OS/390 2.6 and above
- z/OS 1.1 and above
- COBOL generated
- ANSI85 compliant
- IBM COBOL for OS/390

Files, Databases
- DB2
- IMS
- Teradata
- Mainframe flat files

Supports
- Capture of COBOL file descriptions
- JCL templates
- Static and dynamic routine calls
- DBCS processing

About Ascential
Ascential Software Corporation is the leading provider of enterprise data integration solutions to the Global 2000 and government agencies. Customers use the Ascential Enterprise Integration Suite and products to turn vast amounts of disparate, unrefined data into reusable information that drives business success. Ascential Software’s unique, comprehensive data integration suite enables customers to easily collect, validate, organize, administer and deliver information to realize more value from their enterprise data, reduce costs and increase profitability. Headquartered in Westboro, Mass., Ascential Software has offices worldwide and supports more than 2,200 customers in such industries as financial services, telecommunications, healthcare, life sciences, manufacturing, consumer goods and retail. More information on Ascential Software can be found on the Web at www.ascential.com.