



NOMAD Today

Business is becoming truly global with markets expanding worldwide. And staying competitive means taking advantage of the latest technology to efficiently deliver high-quality products and services to your customers wherever they are.

Over the past several years with the introduction of the IBM System z9, mainframes have re-emerged as key components of the enterprise. In addition to running your legacy production applications, mainframes are being reincarnated as servers for a variety of clients including Web browsers. Making use of the mainframe as a server makes perfect sense since that's where the data is to begin with.

Select Business Solutions' NOMAD is a powerful tool that builds upon the revival of mainframe data and processing. NOMAD's capabilities let your organization take full advantage of your mainframe investment by providing the tools necessary to build and deliver cost-effective business solutions in a fraction of the time needed with traditional development methodologies.

NOMAD's world-class programming language gives your organization the productivity level needed to address changes quickly and effectively. Its superior capabilities – powerful reporting, efficient access and use of corporate data, and performance facilities – raise NOMAD to a higher level than other products. Whether it's providing efficient access to mainframe data or delivering data to the desktop, NOMAD is the right tool for a variety of application and reporting needs.

NOMAD's unparalleled power stems from the breadth of its language and unified architecture. Its comprehensive data-definition language provides extensive support for a wide range of data types including arrays and time series. These are complemented by powerful defaults as well as flexible security and integrity constraints, which include full support for rule-based, referential integrity.

Equally important, NOMAD's unified architecture includes self-contained procedural capabilities that deliver everything expected from a traditional programming language.

- Unsurpassed reporting and analysis features
- Rapid application development for increased productivity
- Efficient access to all important mainframe databases and file structures
- Data warehouse ready for data access
- A Web-based interface for simple and quick integration of mainframe systems to the Web

Reporting and Analysis

NOMAD's production reporting and end-user reporting capabilities alone often justify acquiring it. With a complete range of mathematical and decision-support functions, NOMAD is extremely powerful for working with financial and time-oriented data. NOMAD's users have extensively utilized the product for reporting and analysis in a data-warehouse environment, especially with IBM's DB2 data. In addition, many organizations are now using NOMAD in a production reporting environment for applications that include budgeting, strategic planning, forecasting, and much more.

NOMAD provides the ultimate in reporting flexibility. Requirements such as columnar, free-format, PDF, chart, XML and spreadsheet-style are handled with ease. NOMAD's many intelligent format defaults make it easy to produce an attractive report with very little effort; yet they are simple to override and custom-fit to your needs.

NOMAD is unique in its ability to store arrays and time series as fields in a database and as variables in procedures. Coupled with intelligent data types, such as DATE, TIME, TEXT and NAME, these long-standing NOMAD features are among the many that make NOMAD so valued for reporting.

NOMAD's more than 140 predefined functions, such as average, median and variance, can operate on any item in the database, at any sort level. Calculations can be defined in the database and automatically computed as needed.

Product Overview

Whether using point-and-pick front ends, a Windows client or a Web browser, NOMAD makes reporting a simple and intuitive process for a wide variety of users.

In summary, NOMAD's full range of data management and analysis tools deliver the flexibility and power needed to handle reporting and decision making requirements from the most ordinary to the most complex.

Data Access

Today's corporate information resides in many data systems and on many hardware platforms. NOMAD has been carefully designed for building applications that make access to your primary data stores a smooth and effortless operation.

IBM's DB2 sits high among the select few that have emerged as SQL-based industry standards. NOMAD has been consistently cited by industry experts and users alike as providing the most integrated environment for working with DB2. The reason is experience. In 1986, NOMAD introduced the first interface with read/write and create access to DB2. Over the years, NOMAD has been continually enhanced for optimal performance and efficiency with the DB2 engine. NOMAD commands are translated into SQL requests, with as much work as possible passed to DB2 for processing.

In addition to DB2, many corporations have significant investments in IMS, IDMS and Teradata applications on the mainframe. NOMAD helps preserve the work that went into these existing applications, while leveraging the value of your relational systems.

Users can easily combine data from many different data systems – both relational and non-relational – for reporting in a single application. With NOMAD, you can combine IMS, IDMS, VSAM and QSAM files, along with relational tables in DB2 for z/OS and z/VM, and in Teradata databases.

Performance

Backed by years of experience in optimizing performance with z/OS and z/VM operating systems, NOMAD offers a complete family of application development products for IBM and compatible mainframes. Equally important, only NOMAD gives you a unique set of performance-enhancing tools designed to protect those valuable mainframe resources:

NAPA: The NOMAD Application Performance Analyzer helps take the guesswork out of fine-tuning your application's performance.

NAPA can be used to evaluate design possibilities during prototyping or system development, to monitor an application over time to track trends in usage, to develop consistently efficient code, and to provide information for tuning production applications.

NOMAD Session Manager (NSM): Applications confined to TSO are constrained by its address-space bottleneck and high swap-time overhead. Representing a breakthrough in technology, NOMAD Session Manager overcomes the limitations of TSO and dramatically reduces system overhead. With support for full track I/O and shared resources, system I/O is reduced dramatically while offering significant performance advantages.

NOMAD ONE PASS: NOMAD One Pass extends NOMAD's powerful reporting capabilities to the world of high-volume production reporting

By processing several requests and producing multiple reports as it makes a single pass through the database, One Pass delivers the high performance and machine efficiency that make NOMAD's reporting power unmatched for production-level applications.

NOMAD for Data Warehousing

In addition to NOMAD's value as a reporting tool for mainframe data warehouses, access to a wide variety of relational and non-relational data sources makes it ideal for joining, cleansing, and typical ETL (extract, transform and load) operations for heterogeneous mainframe data structures. Through NOMAD's comprehensive data definition and procedural language, the data access phase of building your data warehouse or data mart can be accomplished in a fraction of the time required by alternate approaches.

Web Enable the Data

For the Web, Select offers powerful products and solutions that Web-enable mainframe data and its application processing. Our two-tiered mainframe Web server solution integrated with the NOMAD language provides much wider access to existing applications via the Web, yet maintains the efficiency and security of the mainframe. No other mainframe-to-Web solution gives you a better blend of simplicity, power, and versatility.

NOMAD Tomorrow

As organizations now look for ways to preserve their investment in mainframe applications and data, Select continues to invest in the NOMAD technology to insure that it continues to provide the highest productivity, efficiency, and flexibility to meet tomorrow's challenges.

To obtain more information, please contact **Select Business Solutions at 888-472-7347 or at www.selectbs.com.**