

Native MultiValue Business Intelligence & Interactive Reporting

MITS

MITS, Management Information Tool Software, is a cross-platform, interactive reporting, business intelligence and OLAP tool suite specifically optimized for extended relational and MultiValue databases. MITS is an on-line analytical processing (OLAP) tool for gathering, managing, distributing, and analyzing data for improved strategic and tactical decision-making. Analytic applications developed using MITS can be deployed in a variety of MultiValue database environments and are used across a wide range of vertical markets. Organizations choose MITS because it provides an end-to-end solution for business using a native interface to their MultiValue environment.

Better Decisions, Faster

MITS allows you to extract valuable information that is vital to decision makers. MITS delivers the information you need to discover trends that let you focus on the right customers, procedures, market segments, products or employees when making both tactical and strategic business decisions.

By consolidating key performance indicators and related data in hypercubes designed for optimal performance, MITS gets you the data you need at the speed of business.

Rapid, Cost-Effective Implementation

Because MITS runs in your extended relational or MultiValue database environment, installation and implementation of your analytic application is faster and more cost-effective. MITS can run on your existing hardware, using your existing database, eliminating the expense and effort of obtaining a secondary system and a foreign database along with third party tools.

Easy Learning Curve

Since MITS leverages your existing technology there is no need to learn a new hardware platform, operating system, database or tool set. For the MultiValue market, MITS adoption is as familiar as the back office solution in hand.

End-to End Solution

The MITS product suite offers all the components needed for a Business Intelligence (BI) / OLAP environment:

- Extraction, transformation and loading (ETL) tool
- Hypercube design, creation and administration
- BI/OLAP Reporting

This ensures that all components are seamlessly integrated and simplifies the selection, purchase and implementation process.

Ease of Use

The MITS product suite takes full advantage of the environment in which it operates for powerful, intuitive, easy-to-use functionality. Server components take every advantage of the underlying database environment from the flexible data model, to native file and index management functionality. MITS clients use the most modern and popular industry standard Windows 32-bit graphical interface.

Deployment Flexibility

The MITS architecture gives you the flexibility to choose how you deploy your BI/OLAP environment. You can implement MITS on your existing OLTP platform, simplifying administration, taking advantage of high-speed local access to the source data used for building and updating your MITS hypercubes.

Optionally, you can choose to set up a separate BI/OLAP server by distributing MITS components across a networked MultiValue environment for load balancing purposes.

MITS Architecture

The MITS product suite is comprised of the following major components:

- MitsServer
- MitsView
- MitsSecurity (Optional)
- MitsMaker (Optional)
- MitsWeb (Optional)

MitsServer - Builds, Updates and Serves Hypercubes

MitsServer, which runs in the MultiValue environment, processes, stores and provides access to business intelligence hypercubes.

MitsSecurity – Access Control

MitsSecurity, an optional security layer for MitsServer, provides additional levels of security beyond those offered by the database and operating system. MitsSecurity offers control access at the application, flash screen, functionality, and view level. MitsSecurity lets you control hypercube access by user at the identifier or accumulator level.

MitsAdmin - Licensing, Authorization & Security Configuration

The graphical administration tool, MitsAdmin, manages security configuration, licensing and authorization.

MitsMaker – Hypercube Designer

MitsMaker is a 32-bit Windows-based graphical front-end tool for designing hypercubes by selecting the source data, establishing data elements for extraction and assignment, and setting the drilldown identifiers, accumulators and date ranges. MitsMaker interfaces with MitsServer to actually generate and update the hypercubes.

MitsView

MitsView is the GUI reporting tool for accessing and drilling down into MITS hypercubes producing row and column-based reports, pivot

tables, as well as 2D, 3D and pie charts. MitsView can export the results to Microsoft Excel.

MITS on-line analytic processing results can also be displayed on “green-screen” terminals. MitsView works in conjunction with MitsSecurity to control read/write access to the flash screens that display the report.

MitsWeb

MitsWeb, an online data access tool that allows MITS application data to be viewed in a browser. Mits-Web acts as a gateway between Web browsers and MitsServer. With MitsWeb, a user may perform all the same functions available in MitsView in a familiar browser environment.

Analytic Application

An example of a MITS analytic application is a Sales Analysis application. In this application we want to explore the data to see which are our top branches, top sales reps, and top products.

Business Analysis and Hypercube Creation

After analyzing what sort of information we want to view, MitsMaker is used to extract and summarize the order administration and sales data into a hypercube with identifiers such as:

- Branch
- Sales Representative
- Products

Accumulators might be such quantitative information as:

- Revenue
- Cost
- Profit

This quantitative information can be grouped:

- Monthly
- Quarterly
- Annually

And the information can be compared month-on-month, quarter-on-quarter and year-on-year to discover time-based trends.

Flash Screens

MitsView uses the concept of a flash screen to provide a view into the hypercube. In our Sales Analysis application, a typical report might start by showing a summary of quarterly profits by branch. Using this example and noticing that the West Branch has the lowest profits, you can then drill down to look at profits by sales rep. From there, you can pick a sales rep at either the low or high end of the profitability spectrum and further drill down to see what products they sold.

Availability

MitsServer is available on any UNIX or 32-bit Windows system that supports a wide variety of MultiValue databases, including:

- UniData™
- UniVerse™
- D3®
- mv•BASE®
- mv•ENTERPRISE™
- jBASE™

The MITS clients, MitsAdmin, MitsMaker, and MitsView are available for any 32-bit Windows client environment.

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Contact Information

Certified MITS Reseller:

Technical Resource Group (TRG)
2850 Red Hill Ave. Suite 110
Santa Ana, CA 92705
949.296.8380- Fax 949.756.0029

Email: sales@picktrg.com

Web site: www.picktrg.com