InetSoft iSuite™ 9.0
Operational Business Intelligence Software

The Next Generation of Business Intelligence
A unique pervasive BI environment for improving business execution

Today's global markets require businesses to share information in real-time, between multiple business entities and throughout the enterprise. Critical business decisions made on operational levels, increasingly impact top-line revenues and bottom-line profitability. Forward-thinking companies are already mandating collaborative environments to improve business processes, performance and productivity, in order to build and maintain a competitive edge.

Based on an innovative process-aligned design, InetSoft's iSuite™ software provides a secure, scalable and collaborative operational BI platform for real-time information flow. It provides a secure and dynamic infrastructure for companies to efficiently access, integrate and explore data, that based on reliable and accurate information, can enhance business processes and enhance performance. The use of Business Intelligence to explore, monitor and report on data on-demand from disparate sources has become a strategic advantage for improving profitability.

Pervasive BI powered by Exploration, Collaboration and Integration

InetSoft's iSuite™ operational BI software enables an innovative BI approach that embodies exploration, collaboration and integration. Exploration allows end-users to experiment and investigate without a long and expensive implementation cycle. Collaboration enhances the business value of existing knowledge and domain expertise. Integration injects business intelligence into existing business processes.

InetSoft's innovative Data Block technology lays the foundation for this BI approach. Data Blocks can be assembled from disparate data sources that provide data for different domains. Data Blocks assembled for one domain or process, readily serve as building blocks for other intelligence needs. End-users can dynamically transform, combine and modify data blocks for the next level of intelligence. This creates an intelligence flow that aligns itself with collaborative business processes.

InetSoft's visualization technology provides an intuitive tool to gather insightful information from Data Blocks. Users can easily analyze data presented as charts, maps and metrics by manipulating input parameters.

As a fully integrated solution, InetSoft's enterprise reporting, dashboards, scorecards and alerts extend this flexibility to a wide spectrum of business users.

InetSoft's Process-aligned software provides product line and business managers with the advantage of utilizing real-time data to make better-informed decisions that can have a major impact on business performance and your bottom line. Leveraging this intelligence in a collaborative environment across the enterprise, empowers business professionals with the ability to make complimentary decisions that positively impact related business processes.
**Real-time Data Mash-up**

InetSoft’s unique Data Block technology offers inherent on demand data mash-up capabilities that allow intelligence gathering to effortlessly cross organizational boundaries, where business processes demand. Both business users and BI professionals can assemble, transform and collaborate on structured and unstructured data from a wide breadth of formats and sources in real-time.

Leveraging this technology, pre-purposed Business Intelligence data sources, such as data warehouses, operational data stores and OLAP cubes, can be easily combined with transactional data. The software also allows IT to control and optimize data access at the atomic level to maintain data integrity and the highest level of system performance.

Real-time data mash-up is accomplished through the zero client, web-based Data Worksheet. The intuitive drag & drop interface facilitates collaborative data exploration by BI professionals and domain experts.

Key features include:
- Zero client, spreadsheet-like Data Worksheet
- Secure atomic Data Block control by IT
- Domain knowledge Data Blocks by domain experts
- Advanced transformation, join and set operations
- Ad hoc Data Blocks for what-if simulations
- Mirrored Data Blocks for multi-use
- Multiple disparate data source mash-up

InetSoft’s Data Block technology and real-time data mash-up capability provides a secure and flexible data foundation for your BI front end. It delivers on demand data level exploration and collaboration that is vital for business intelligence success.

**On-Demand Dashboards**

iSuite™ visualization allows Data Block assets to be inspected and explored. The solution empowers business users with dynamic monitoring and analytic dashboards that enable real time business performance management.

Visualization in dashboards is a highly intuitive select-and-view process. The dashboards employ familiar charts, metric, maps and selection lists so that business users without a data analysis background can effortlessly explore and analyze.

Visualization dashboard design is a simple drag & drop process of Data Blocks into visual objects on an iSuite™ “Viewsheet”. With different visual objects, data items become filters, presentation values or a mixture of both.

Visualization Viewsheet design has the same intuitive, zero client interface as the real-time data mash-up Worksheet. New dashboards can leverage existing dashboards by either building links or embedding other dashboards.

Key features include:
- Zero client, spreadsheet-like Viewsheet
- Charts, metrics and familiar business visual objects
- Gauges, maps and other advanced graphic objects
- Input, output and dual role visual objects
- Views assembled from sub level views
- Monitoring and analytic dashboards
- OLAP data mash-up and visualization

iSuite’s visualization techniques effectively address the easy-of-use issue, that is the main obstacle for pervasive BI adoption.
**Pervasive Intelligence**

iSuite™ enterprise reporting leverages Data Blocks to ensure repeatable business performance. It provides unparalleled flexibility for designing powerful production and ad hoc reports that are scalable to meet even the most demanding requirements.

Production reports codify proven business practices with embedded logic. In-report exploration delivers new levels of flexibility to production reports so that business users can easily shape information for different needs. High-performance enterprise reporting characteristics, make it an ideal channel to deliver information to large groups of read-only consumers.

Ad hoc reports compliment professionally designed production reports as quick, self-service query and reporting tools.

Key features include:

**Production Reports**
- WYSIWYG report designer
- Sophisticated formatting and presentation
- Business logic scripting
- Bursted, scheduled, archived and real-time reports
- In-report exploration
- Drilldown, parameters and interactivity
- HTML, PDF, Excel, Word, Email delivery
- High-performance clustering, caching and streaming

**Ad Hoc Reports**
- Zero client report design environment
- Prototype wizard driven report design
- Data access to Data Blocks, queries and models
- Security controls on users, roles and groups
- Ability to modify production reports

Enterprise reporting pushes operational BI to all front line users. Because of the comprehensive iSuite™ platform, enterprise reporting, visualization and Data Blocks work hand-in-hand to address the wide variety of information needs.

**Monitoring and OLAP Integration**

iSuite™ integrates convenient monitoring functions with visualization and enterprise reporting. These monitoring functions focus on “management by exception”. Business users can automate business process monitoring and investigate details through visualization and reporting when exceptions are raised.

**Scorecards & Alerts**

iSuite™ scorecards can check business measurements at regular intervals against thresholds or trends. When certain conditions are met, scorecards use visual indicators to notify business users. Alerts work hand-in-hand with scorecards to actively send messages in multiple formats to notify specified users.

Scorecards and alerts are typically designed for well defined KPIs that utilize a concrete target value, to be checked against.

**OLAP Analysis and Integration**

OLAP is well established capability in today’s traditional business intelligence implementations. In order to tap into this rich source of data, iSuite™ integrates OLAP data sources in multiple ways.

Slice-and-dice MOLAP data from the iSuite™ OLAP analyzer gives existing MOLAP users a familiar means by which to access MOLAP data. The iSuite™ analyzer supports:
- ESSbase/IBM OLAP Server
- MS Analysis Service
- Oracle OLAP

iSuite™ allows users to model ROLAP and then use the OLAP analyzer for analysis. This approach is best suited for star schema based ROLAP databases. A logical ROLAP can also be created on a normalized relational database.

The InetSoft OLAP analyzer can also output OLAP analysis results into iSuite™ enterprise reporting and visualization. Its OLAP capabilities seamlessly integrate traditional BI investments into an innovative operational BI environment.
SOA and Java Architecture

InetSoft iSuite’s SOA based architecture is implemented on a high-performance and scalable Java Web platform. It employs AJAX and Flash powered Web 2.0 technology to deliver a desktop grade Web user experience, in a zero client environment. XML, JavaScript, SOAP and other open standards technology in iSuite™ allows developers to fully leverage existing platforms and skill sets. The result is a rapid deployment, easy to manage BI platform.

Key end-user features:

Data Mash-up
- Exploratory Data Block worksheet
- Transform and manipulate Data Blocks
- Assemble Data Blocks collaboratively

Visualization
- Analytic dashboards from Viewsheets
- Collaborative drag/drop Viewsheet Composer
- Detail drilldown and drill-across Viewsheets

Reporting and Query
- Interactive production report portal
- In-report exploration via Report Explorer
- Ad hoc report wizards and advanced editing

Unified Analysis
- Scorecards and JSR-168 dashboards
- OLAP analysis and OLAP mash-up
- Alerts and performance monitoring

Key architectural features:

Web Service Architecture
- SOA / SOAP for report and Data Block services
- Java Application Server drop-in
- Cross platform - Mac, PC to mainframe

Open Standards-based Technology
- IE, Firefox and Mac browser support
- JavaScript and XML templates
- Data access to SOAP, XML, JDBC & more

Embedding and Integration
- CSS support, JSP tag library and Portlet
- Single sign-on, LDAP and security adaptors
- IIS and MS Share Point integration

Performance and Scalability
- Clustered server and concurrency control
- Bursting, batch and queued reports
- Configurable data/page cache and streaming