

## Open Technology Architecture: Leverages your Existing Investment



The business intelligence platform from Metrikus is built using an open, standards-based architecture that is enterprise class. It minimizes the resources required for development, deployment and maintenance, resulting in a lower total cost of ownership. The web-based architecture provides one significant advantage after another - integration with legacy systems, performance, scalability, security, easy access through the web, and is standards-based.

## Architecture – Highlights

**Ease of Integration:** The architecture is very flexible and facilitates easy connection of the Metrikus Platform to all of the customer's systems rapidly. The open architecture offers seamless integration of data or metadata from monitoring tools, business applications, relational databases and data warehouses as well as flat files, spreadsheets and XML documents. Metrikus uses a library of pre-built adaptors that ensures rapid integration enabling the solution to be implemented in weeks and not months.

**Scalable:** The architecture is built upon highly scalable and reliable n-tier architecture and is designed to grow strategically with a customer's organization. Leveraging the use of industry-standard java technology, the Metrikus technology architecture allows for better management of application, data, and web resources for greater performance and scalability.

**Secure:** To manage the security requirements related to the Platform, the application and technology infrastructure allows users to build security policies as simple or as complex as needed. Metrikus uses a multi-layer security model and implements security at the physical, logical, user role-based, and data access levels. The security model can be further defined as multi-group or based on other classes.

**Web-based:** The Metrikus Dashboard can be accessed easily and securely through the internet, intranet, or extranet. This architecture simplifies deployment and administration requiring less staff training, thus speeding the implementation process. There is no code on the client thus requiring no client installation.

**Standards-based:** The Metrikus technology architecture, based on J2EE, is built with strict compliance to software engineering standards.

## Technology Platform - Physical Components

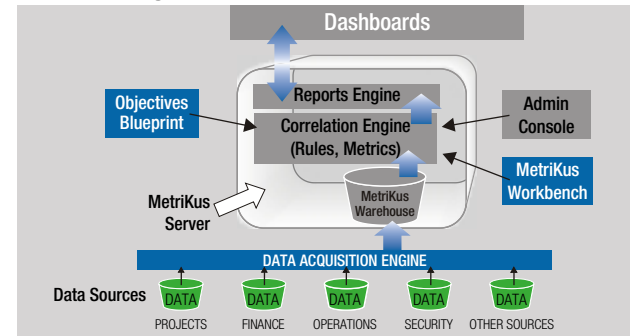
As shown in the diagram, the Metrikus Technology Platform is comprised of four major components: the Metrikus Server, Data Acquisition Engine, Metrikus Workbench, and the Objectives Blueprint.

**The Metrikus Server:** This forms the core of the platform and is comprised of the Metrics Warehouse, Correlation Engine, Visualization Engine (Reports and Dashboards), and Administration Console. The functions of these sub-components are described below:

**Metrics Warehouse:** The Warehouse provides an enterprise class information model that captures the entire set of common IT information classes. The Warehouse captures and consolidates data from various sources and stores the data inter-relationships. Administrators can add new information classes and extend the platform without the need for expensive integration and customization services. The Warehouse stores extensible data models for various domains such as IT Operations, Development/Maintenance, Projects/PMO, Vendor/Outsourcing Management, Security etc.

**Correlation Engine:** Metrikus's powerful analytics engine enables customers to apply business rules to data to develop actionable

business insights to manage the IT organization effectively. The engine leverages the rules library, which can be customized, to produce the consistent views of performance, and adapt or extend them as business conditions change.



**Visualization Engine:** This includes the Dashboards and the Reports. The Metrikus Dashboard is a personalized web portal that allows the senior executives to visualize the key health indicators of the IT organization. The dashboards are easily configurable through a standard web-based console through pre-defined out-of-the-box components that include gauges, bar graphs, trend arrows, and others.

The pre-built reporting engine helps the customers configure and schedule reports across multiple data sets. The engine can also be used to schedule reports for offline report generation. The open architecture of the engine also enables easy integration with other third-party reporting tools.

**Administration Console:** The Console provides a comprehensive set of features to manage the Technology Platform. The Console provides the means to monitor application components such as adapters, rules and scenarios. Additionally, the console can be used to manage user role and access privileges and facilitates adapter management.

**Data Acquisition Engine:** The Metrikus Platform connects to anything. The Data Collection Interface is comprised of a broad set of integration adapters that enable users to extract and transform data from any source. The Interface supports standard adapters for all types of monitoring tools, business applications, databases, flat files, XML files, Excel spreadsheets, and other data sources. Metrikus has a library of pre-built adaptors and provides the users with the capability to configure adaptors for custom data sources using the Adapter Development Kit.

**Metrikus Workbench:** This is comprised of desktop administration tools that facilitate the easy creation and modification of rules, metrics, and their correlation. The Workbench is also used to create and deploy scenarios on the Server for execution and facilitates adapter configuration.

**Objectives Blueprint:** This offers a flexible framework to associate collection of metrics that includes target performance measures to business initiatives and organization goals. It is the facility that links IT performance to business objectives.