Vantiq is the only low-code / no-code high-productivity Application Platform as a Service (aPaaS) for development, deployment and execution of real-time event-driven enterprise applications.

CAPABILITIES

- Secure, Scalable, Reliable Management
- Low-Code Rules Processing Engine and Application Builder
- Distributed Multi-Cloud, Multi-Edge Deployments
- Human-Machine Collaboration Builder
- Dynamic Event Broker and Event Catalog
- Mobile and Web Client Builder

DIFFERENTIATORS

Applications built with Vantiq allow you to analyze streams of events in real-time to provide situational awareness, and the ability to act on opportunities or threats to your business. By sitting at the intersection of these streaming sources, people and systems, each can take the next best real-time action to arrive at the appropriate business outcome for each situation identified by the platform.

Scalability: Vantiq utilizes multiple architectural elements to achieve maximum elasticity and efficiency:

- ✓ Vertical Scaling – exploiting any number of virtual or physical CPUs in a given machine instance
- ✓ Horizontal Scaling – exploiting replicated machine instances in clustered configurations
- ✓ Distributed topologies – exploiting cluster configurations deployed to multiple locations

Distributed: Applications built with Vantiq can be distributed to the cloud, private cloud, on premises, small footprint edge devices with a single click and dynamically updated without interruption.

Federated: Vantiq, whether clustered in a cloud or deployed on the edge, implements a complete set of services. Every Vantiq instance can grant access to other instances via a peer-to-peer connection, allowing the definition of any distributed topology between any number of peer-to-peer connected instances of Vantiq.

Edge-Enabled: Sensors located anywhere can generate a significant number of events with a large amount of associated data. With Vantiq, edge nodes can be deployed to co-locate processing and analysis of real-time streams of data for applications that require lower latency. Additionally, these actions when taken locally don't mandate the transfer of data to the cloud.

Agile: Vantiq is the only aPaaS designed for rapid development of Event Driven Applications at speeds often ten times faster throughout the entire development lifecycle from requirements, development, testing through deployment.

Real-Time, Event Driven: The Vantiq platform is implemented on a reactive framework to ensure that applications are responsive, resilient, elastic, and message driven.

Traditional APaaS vendors are typically designed around a 3 tier database-driven architecture, making them a poor choice for real-time applications. The velocity and volume of data arriving in real time requires in-memory stream analytics and complex event processing.

Individual ecosystem components commonly come with both developer and operational complexity creating long development cycles and significant challenges to provide any level of reliability and business continuity.

VANTIQ