



VANTIQ - Frequently Asked Questions

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General

What is VANTIQ?

VANTIQ provides the only low-code platform for building, deploying and managing real-time, event-driven applications. Those involved in creating the next generation of digital business applications will benefit from dramatically reduced time-to-market, significantly lower development and maintenance costs, and maximum agility in response to dynamic market requirements.

How much does VANTIQ cost?

VANTIQ is known as a Low-Code, High-Productivity Application Platform-as-a-Service (aPaaS) and is sold on a subscription basis. Price varies depending on the number of 'events messages' processed by the system plus other factors. Contact sales@vantiq.com to learn more about how your organization could benefit from VANTIQ and what it might cost in your particular situation.

Is there a trial or freemium version of VANTIQ?

You can obtain access to the VANTIQ developer platform by contacting sales@vantiq.com and discussing your needs in more detail.

Why should I buy business-critical solutions from a startup?

VANTIQ isn't an ordinary startup. Prior to starting VANTIQ, co-founders Marty Sprinzen and Paul Butterworth (separately or jointly) founded numerous successful development platform companies including 4GL platform company Forté Software (which was then fastest growing software company in history) had a successful IPO and then was purchased by Sun for over \$1B. Based on the power of its platform, VANTIQ is growing rapidly and currently has offices located in Walnut Creek, CA (headquarters); Paris, France; Beijing, China; Tokyo, Japan; and Tel Aviv, Israel.

Why should I choose VANTIQ over competitors?

Most organizations attempting to build real-time, event-driven applications today are doing it by bringing together a complex technology stack including many components, and not by choosing a single full-stack solution that supports the complete software development lifecycle. Some companies are now claiming to have solutions for creating real-time or event-driven applications. When considering these tools, carefully assess the level of complexity involved and the experience required to use them. Do they support highly distributed architectures – an increasing requirement as business applications move to the 'edge'. Also assess whether they focus primarily on machine-machine use-cases, or do they truly enable powerful human-machine collaborations.

What are some good use cases for applications created with VANTIQ?

Almost any application that involves a scenario where data about business 'events' is streaming in from enterprise systems or IoT devices in real time is a good candidate for VANTIQ. In

addition, VANTIQ is particularly powerful when the actions taken as a result of those event streams involve people collaborating with the application to achieve a powerful outcome. See www.vantiq.com for specific use cases.

What is this ‘human-machine collaboration’ thing all about?

In a business world driven by rapidly increasing flows of data, the notion of real-time, event-driven applications is becoming the standard for new application development. Most real-time business systems, at some point, involve people. It is by enabling a true collaboration between systems/machines and people that the most valuable outcomes are delivered to organizations.

But won’t artificial intelligence remove the need for people?

AI and machine learning will definitely continue to transform the nature of work done by both people and machines. But the intelligence, experience, and wisdom of humans cannot be readily replaced by machines in any timeframe that matters to most organizations today. **The answer is not either humans or machines, it is about enabling a powerful collaboration between the two.** That’s what VANTIQ enables.

Are there opportunities to partner with VANTIQ?

VANTIQ is a partner-focused organization. If, for whatever reason, your organization is not ready to build your own applications with VANTIQ then we can set up a close collaboration with one of our experienced implementation partners to assist you. If you would like to discuss becoming a partner with VANTIQ, please contact partners@vantiq.com.

Does VANTIQ create applications for my specific industry?

VANTIQ is an application development platform that can be used to create applications for any industry or organization that requires the power and agility of real-time, event-driven applications. Generally speaking, VANTIQ does not create end-user applications itself – instead, we join with industry-focused partners to bring particular solutions to market. Contact sales@vantiq.com for more information.

Product

How much more productive is VANTIQ over other platforms?

VANTIQ is a low-code, high-productivity development environment. Because VANTIQ provides an abstraction for event-based applications including distributed programming, there is typically at least a 10x improvement in productivity across the entire development lifecycle from creating the application to distribution across hundreds or even thousands of VANTIQ instances. The front-end includes mobile and web building tools for rapidly deploying UI’s for your applications. The back end uses a reactive framework for handling events. The developers work with visual tools and an easy-to-learn domain specific language that makes for rapid application development for event-driven applications.

How are VANTIQ applications deployed and managed?

VANTIQ applications are completely managed from within the platform. Graphical modeling of applications, coding, and administration are handled in the VANTIQ IDE.

What type of environments can VANTIQ be deployed in?

VANTIQ is a federated, and distributed environment that can run in the cloud, on premises, or down at the edge. It supports any hierarchical configuration for example: hierarchical tree, partial mesh, and full mesh.

What skills/level does it take to build VANTIQ applications?

A working knowledge of SQL and JavaScript is adequate to begin creating event-driven applications in the VANTIQ platform.

How scalable and reliable is VANTIQ?

VANTIQ runs in a clustered configuration for both scale and resiliency. Multiple nodes endure so that any single node that fails does not cause interruption of the service. Additionally, the platform scales both horizontally and vertically. The system can be quickly scaled up or down based on the utilization of the applications that are running on it.

When I make an update to a VANTIQ application how long will the system be offline while changes are propagated?

VANTIQ application deployment is dynamic. Applications are upgraded in place and without downtime.

Can I create REST addressable services with VANTIQ?

All components that you create in VANTIQ are automatically REST addressable assuming you have the proper credentials. Creating services/micro services is automatic.

How secure is VANTIQ?

VANTIQ takes a comprehensive approach to event-based application security with a wide range of security, integrity and privacy features available for use in event-based applications spanning the range of security capabilities:

- Authentication
- Authorization
- Integrity
- Privacy
- Edge Device

In addition, VANTIQ operates hosted, event-based applications using highly secure technologies and procedures. For more on this topic, see the Security whitepaper in the Resources section of www.vantiq.com.

How do you get data into or out of the VANTIQ platform?

With the proper security credentials VANTIQ resources can directly be accessed through REST and WebSockets. Inside VANTIQ, users can create a "SOURCE" which can be of type: REST, AMQP, MQTT, KAFKA, EMAIL, SMS, Push Notification, and many more. For non-standard connections VANTIQ provides a "Connectors" framework to create custom integrations into the platform.

Does VANTIQ do predictive analytics and/or machine learning?

VANTIQ itself is not an engine for creating analytical models but it can enrich a data stream and pass it to a scoring algorithm. For example, you could easily execute a scoring engine derived from an analytical model by passing your data to a Web Service like Microsoft ML studio. VANTIQ is well-suited to connecting machine-learning systems into complete enterprise applications. To discuss more specific scenarios, please contact VANTIQ.