VITRIA

DATASHEET

VIA IoT Analytics Platform

IoT Analytics is much more challenging than traditional analytics. There are a wide range of differences across several dimensions of computing and analytics. Vitria has been working for years on the architecture and implementation of our VIA IoT Analytics Platform. The most critical and unique challenges from our experience are:

Volume & Velocity of IoT Data - IoT provides an unprecedented volume and velocity of data, far beyond traditional analytics.

Variety of IoT Data - There is an incredible variety of data in IoT - structured data, unstructured data, and data from 3rd party vendors.

Time Sensitivity of IoT Use Cases - IoT use cases are inherently acutely time-sensitive given the data volume and variety. Critical decisions must be made in real-time or the value disappears.

Advanced Analytics - combining real-time and batch data, rationalizing it, and making predictions for decisions in real-time requires an unprecedented level of advanced analytics.

Operational or Business Analysts not served well (vs. technical analysts) - most enterprise tools are far too technical for the operational analysts who are likely to be focused on IoT use cases.

Solution Development is Slow & Difficult - the complexity and difficulty of big data and IoT tools means that only experts can work on IoT applications and so they take a long time to build.

The Vitria VIA IoT Analytics Platform

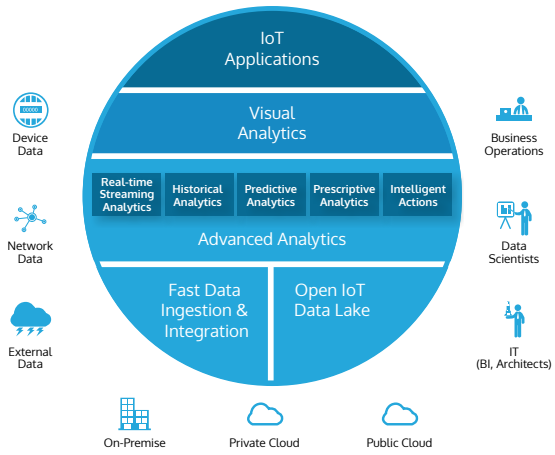
The VIA platform leverages elastic cloud computing, fast analytics, self-service model-driven development, and machine learning to apply the power of predictive and prescriptive analytics to IoT challenges and applications. Critically, it includes an intelligent actions and automation capability that is essential for creating value in IoT - taking timely action on analytics.

- VIA executes Faster Analytics in real-time over all data varieties and speeds to provide the context and insight needed for the fast decision-making required in IoT.
- Smarter Actions yield better outcomes by combining predictive and prescriptive analytics with intelligent automated actions.
- Rapid Innovation is achieved via self-service tools and visual design tools like Analytic DataFlow (ADF) that empower teams to create innovative solutions in minutes vs. months.

Together these Capabilities drive Better Outcomes Faster

Vitria VIA and How It Uniquely Addresses the Challenges

Vitria VIA is a comprehensive IoT Analytics Platform that enables the rapid design, development, and deployment of advanced real-time analytics against big IoT data.



VIA includes a number of innovations that provide a complete solution for all the challenges of IoT Analytics. The combination of depth in specific areas like advanced analytics with the overall breadth of the platform is unmatched among IoT Analytics platforms.

- **IoT Applications** provide easy access to common IoT tasks, such as defining KPIs, via self-service tools that remove the dependency on scarce IT and technical resources.
- **Visual Analytics** provides powerful visualization to explore analytical results, highlight key relationships, spot anomalies, test hypotheses, and diagnose problems.
- **Advanced Analytic**s provides a unified, comprehensive set of descriptive, predictive, and prescriptive analytics that can be executed across real-time data streams or historical data-sets. Machine learning tools support the generation of predictive models, and Automated Actions enable fast responses to opportunities and threats.
- **Real-Time Analytics** provide continuous real-time contextual awareness and situational intelligence using descriptive analytics, multidimensional analysis, pattern matching, and more.
- **VIA's Analytic DataFlow** visual development and modeling environment streamlines and simplifies solution development and dramatically reduces the need to master exotic Big Data technology.
- **Intelligent Actions and Automation** enables the fast - and often automated - action required to capture value in IoT.
- **Fast Data Ingestion & Integration** leverages IoT protocols to process the speed, volume, and variety of data that typically flows in IoT.
- **Open IoT Data Lake** - is an open, scalable data service that stores, secures, and curates all of your IoT data, from raw device data to time-series analytic data, and provides an Elastic Query Service that supports access by IoT applications, self-service analytics, and 3rd party data consumers.
- **Foundation** - VIA offers an integrated, holistic "solution" lifecycle management foundation that is robust and secure to meet the demands of 24 x 7 IoT-oriented production environments.

Benefits & Advantages of the VIA IoT Analytics Platform

- **Flexibility** - elastic scalability enables you to start at any level and evolve at your own pace
- **Accelerate** your pace of business with IoT
  - Fast Data Ingestion from a variety of sources
  - Real-Time Analytics
- **Rich context for decision-making** in IoT via advanced and unified analytics of all types
- **Speed of execution** - Automated Actions delivers the speed required by IoT
- **Empowering** teams for more creativity and productivity
  - Self-Service Analytics
  - Analytic DataFlow (ADF) visual development
- **Reliable** mission-critical and production quality environment for the demands of IoT

VITRIA®

About Vitria Technology

Vitria VIA IoT Analytics Platform empowers enterprise and industrial customers to analyze faster, act smarter, and achieve better outcomes in their IoT and business operations. The company has a history of success in streaming analytics, business process management, enterprise application integration, and operational intelligence.

Vitria is now a leading player in the rapidly growing IoT (Internet of Things) analytics market. Customers include Fortune 500 companies and enterprises across a wide range of industries, including finance, manufacturing, telecommunications, utilities, retail and more. For more information, visit www.vitria.com.