STATISTICA ®

Bright Wolf

Increase revenue and customer retention with actionable device data

Edge analytics for industrial manufacturers

At a Glance

BUSINESS CHALLENGE

The essential services of tomorrow require a certain threshold of reliability and security to be met by data solutions integrated with the Internet of Things (IoT). Data quality, model relevance, chain of custody, data authentication, data governance—all these elements and more are difficult to manage absent a comprehensive IoT solution.

SOLUTION

The Statistica-Bright Wolf solution enables large enterprises to produce valuable, actionable insights through both real-time streaming and historical analysis of reliable, trustworthy data from every component of their globally distributed systems.

BENEFITS

- **Flexible and modular architecture** enables organizations to deploy analytic workflows across existing and future sensors, devices, and data centers.

- **Complete audit trails** provide organizations transparency and accountability to policies and regulations.

- **End-to-end security** allows organizations to take advantage of the IoT in a secure and trustworthy manner.

MAKE YOUR EQUIPMENT SMARTER

Statistica and Bright Wolf provide organizations peace of mind by making prescriptive decisions with trusted data.

The rise of connected products and the Internet of Things (IoT) in the enterprise is enabling today's industrial manufacturers and makers of "things" to provide the essential "services" of tomorrow. Rather than selling machinery to their customers as commodities, suppliers can focus on making their customers more productive and increase profits along the entire value chain.

Reliable and secure IoT solutions enable suppliers to provide their customers with "outcomes," without the distraction of operating or maintaining these things. Customers require reliable power and clean fluid, not engines or filtration equipment. Suppliers can optimize operations around perpetual SLAs rather than unpredictable sales cycles and unleash their customers to maximize their core business value.
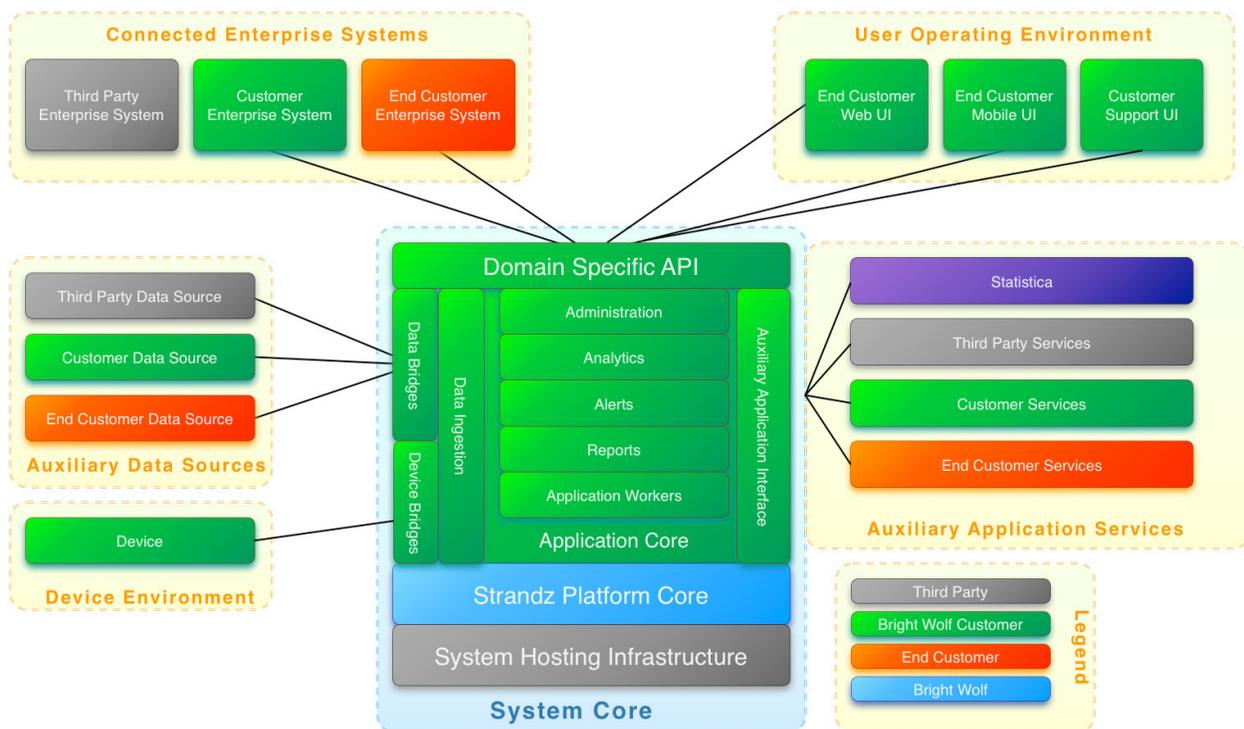

Figure 1: Bright Wolf Strandz architecture integrates seamlessly with Statistica Enterprise for rock solid data analysis.

STATISTICA®

TRUSTED ANALYTICS WITH QUALITY DATA

- **High quality data** – Proper data modeling and filtering means clean data inputs for your analytics, making it possible to extract the full value from your data.
- **Authentication and trust** – Policy-driven Role Based Access Control (RBAC), data point level encryption, and data point level trust are all built in from the start.
- **Analytics anywhere** – Run analytics at the edge, the datacenter, or in the cloud.

BENEFITS

Successful enterprise and industrial IoT solutions require rock solid handling of identity and time, which can vary and change frequently over the life of the system, as well as a reliable chain of custody for every bit of data collected.

The Statistica-Bright Wolf solution gives enterprises the ability to reliably produce actionable insights from data sets that have been verified as trustworthy and accurate representations of the state of each device at any given time

- Data divided between trusted and untrusted maximizes value of analytics insights.

- After-the-fact repair and reassembly of global time-series produces largest available and most accurate data set.
- Role definition and access control ensure adherence to security and policies regarding who can view what data.

CONCLUSION

Bright Wolf Strandz provides proper data modeling and filtering, enabling Statistica to extract the full value from your data. Clean and trustworthy data can be used for producing valuable insights today, while untrusted or invalid data can be saved and analyzed for improvements tomorrow.
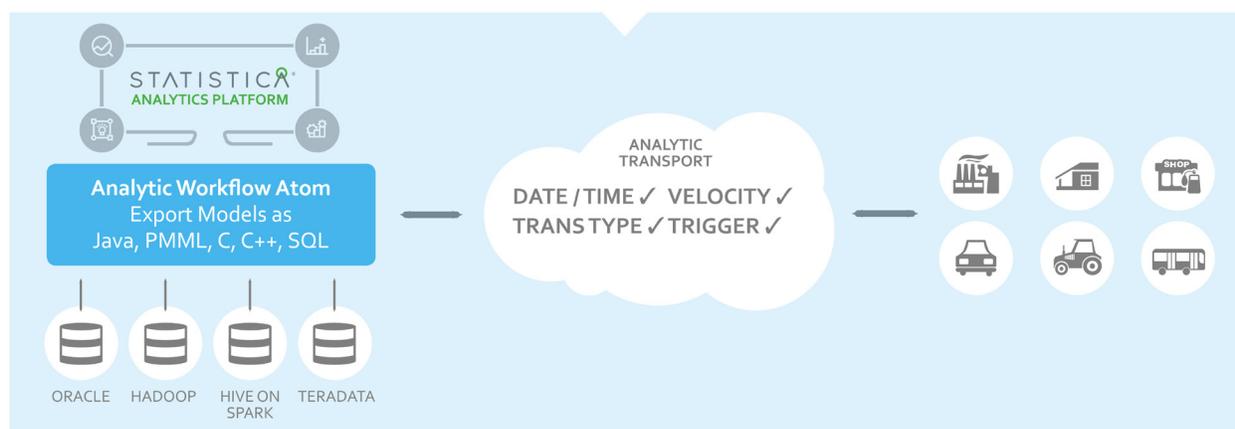

Figure 2: Statistica's proprietary Native Distributed Analytics Architecture (NDAA) is an agnostic, in-database methodology that executes platform-specific analytics on aggregates computed in any database, edge gateway or device/sensor.

ABOUT BRIGHT WOLF

A trusted partner to Fortune 1000 companies for architecture design, system integration, development, and operational support for large-scale industrial and enterprise IoT systems, Bright Wolf has delivered secure and flexible global solutions across industries including healthcare, heavy equipment, energy, fluid management, agriculture, cold chain transportation, and industrial controls. Bright Wolf's composable set of modular components supports deployments on devices, in the datacenter, and in the cloud.

ABOUT STATISTICA

Statistica's advanced analytics, big data and IoT offerings provide you endless possibilities to innovate your enterprise. Whether it's uncovering the genetic basis of a disease, reducing hospital readmissions, mitigating financial risk, or ensuring procedural validation, Statistica enables organizations to transform in new and exciting ways. By embedding analytics everywhere and empowering a wider community of citizen data scientists, you'll accelerate innovation, improve customer experiences, and streamline your enterprise for the future. http://statistica.io

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