AXELLIO

Big Data Streaming Analytics
with FX-MicroCloud

Move Converged Compute and Storage to the Data

Selected Use Cases

Finance
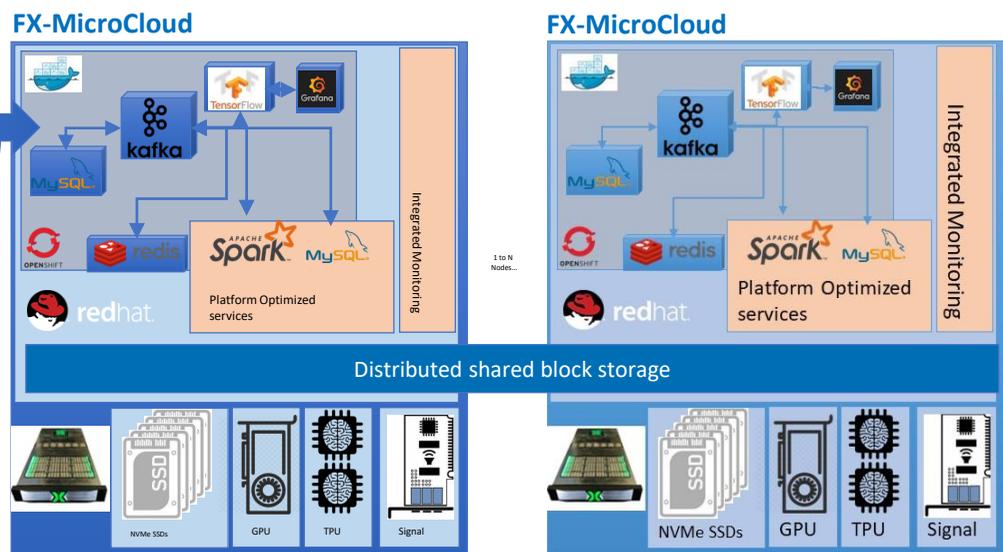Fraud, surveillance, risk, supply chain and trading analytics benefit from more accurate results with more data.

Cybersecurity
Continuously monitor incoming logging data, and detect anomalies as they happen. Alert and respond to anomalous events before they cause damage.

The FX-MicroCloud Platform is designed for extreme big data and streaming analytics requirements, where the speed to the answer is key for generating value and insight. The FX-MicroCloud platform can be implemented on all Axellio FX-1000 series platforms.

With its flexible and fully exploited PCIe architecture, and unequalled I/O capabilities, the FX-MicroCloud platform provides the best integrated compute and storage platform in a single 2U package. New levels of performance for streaming analytics with an affordability and simplicity factor makes FX-MicroCloud the economic choice for your Big Data Streaming Analytics.

*FX-MicroCloud
is a purpose built solution for implementing scalable
cloud architectures and running cloud native applications.*

- Analyzing larger data stores -
- Gaining new insights faster - Requiring less operating costs -

Packaged Container Platform

The FabricXpress platform is designed for high density virtualization technologies, like containerization with Docker/Kubernetes. These technologies enable unprecedented levels of consolidation and flexibility, enabling automation and management that act as a force multiplier in todays rapidly changing IT environments. By integrating these technologies with the FabricXpress platform, organizations can easily deploy streaming analytic and big data solutions in a fraction of the time and with less resources than in a traditional cloud implementation.

Run Cloud Native, Hybrid, and On-Premises

There is no one answer for where IT departments should run their micro-services and containerized applications. Portability of applications, and even entire solution stacks, can transform how organizations develop, deploy, and manage their environments. While some analytic applications perform well in the cloud, others need to be placed close to where data is being generated for real-time processing. The FX-MicroCloud platform is designed to allow containerized applications built in the cloud to run locally, giving administrators and data scientists the flexibility to run their clouds where they need. No longer holding back their analysis due to IOPS & latency.

The FX-MicroCloud Advantage

Scalable Cloud Architecture

Run Cloud Native Applications

Remove Bandwidth Bottlenecks

Eliminate Latency Issues

Assure Privacy

Enable Autonomy

AXELLIO

Deployable | Affordable | Secure

Integrated Monitoring

Long gone are the days when command-line tools were all you would ever need or have to monitor performance of systems. Todays micro-services solutions require constant collection of performance data for review by individuals throughout the organization. Performance information in this new world has to be accessible and readily understandable by application owners, business unit managers, DevOps, and anyone who can turn this data into a competitive advantage. The FX-MicroCloud platform integrates two of the most advanced performance monitoring tools available (Prometheus and Grafana), providing a powerful performance collection and visualization tool.