



# BIG DATA, STREAMING ANALYTICS & THE CLOUD

Presented by:

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**Holds 5 of 17 records across all submissions to STAC-M3 baseline (Antuco) benchmarks\***

**Tested Configuration:**

One 2U Axellio Edge Computing Platform with

- 88 Cores
- 1TB RAM
- 70 NVMe SSDs
- CentOS 7.3
- kdb+ 3.5 Time Series Database

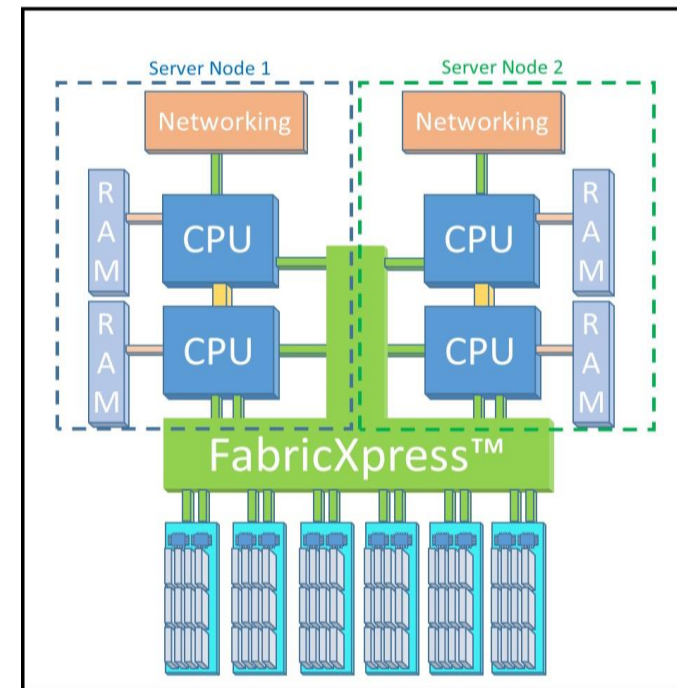


\* SUT ID: KDB171020

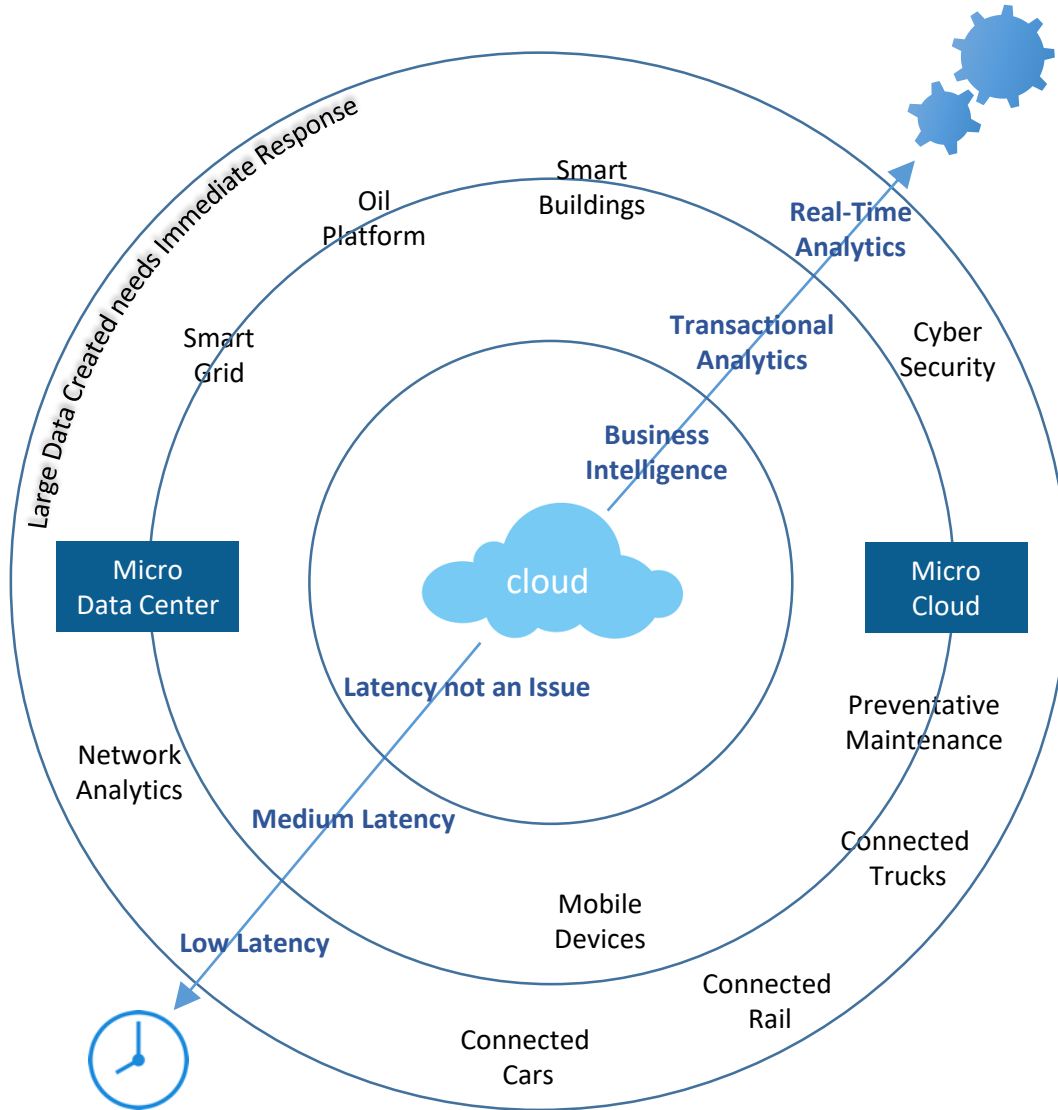


Deployable | Affordable | Secure  
2U Form Factor

>12M IOPs & 60GB/s  
Throughput



Up to 72 Dual Port NVMe



## 2017

- Less than 1% of Enterprises have an Edge Computing Strategy or have deployed Edge Systems

## By 2021

- **40%** of Enterprises will have an Edge Computing strategy in place\*
- **25%** of Enterprises will have deployed a Edge Systems\*

## Cloud Reality Check...

### Latency



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the laws of physics,  
latency issues associated  
with cloud can not be  
ignored

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### Bandwidth

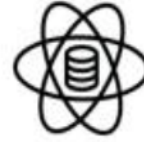


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cloud data centers cannot  
deliver all their services to  
users if the "pipes"  
carrying those services  
aren't big enough

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### Autonomy



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it's becoming  
increasingly clear  
freedom from  
constraint is needed  
with Big Data

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### Privacy



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data center compliance  
and admin teams must  
determine how to handle  
data and security of  
intellectual property

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## MicroCloud fills the needs in your Cloud Strategy for Big Data Streaming Analytics

### Latency



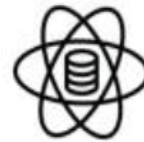
move the processing and storage closer together with FabricXpress PCIe Architecture

### Bandwidth



move the compute closer to the Big Data at the "edge" and leverage big "pipes"

### Autonomy



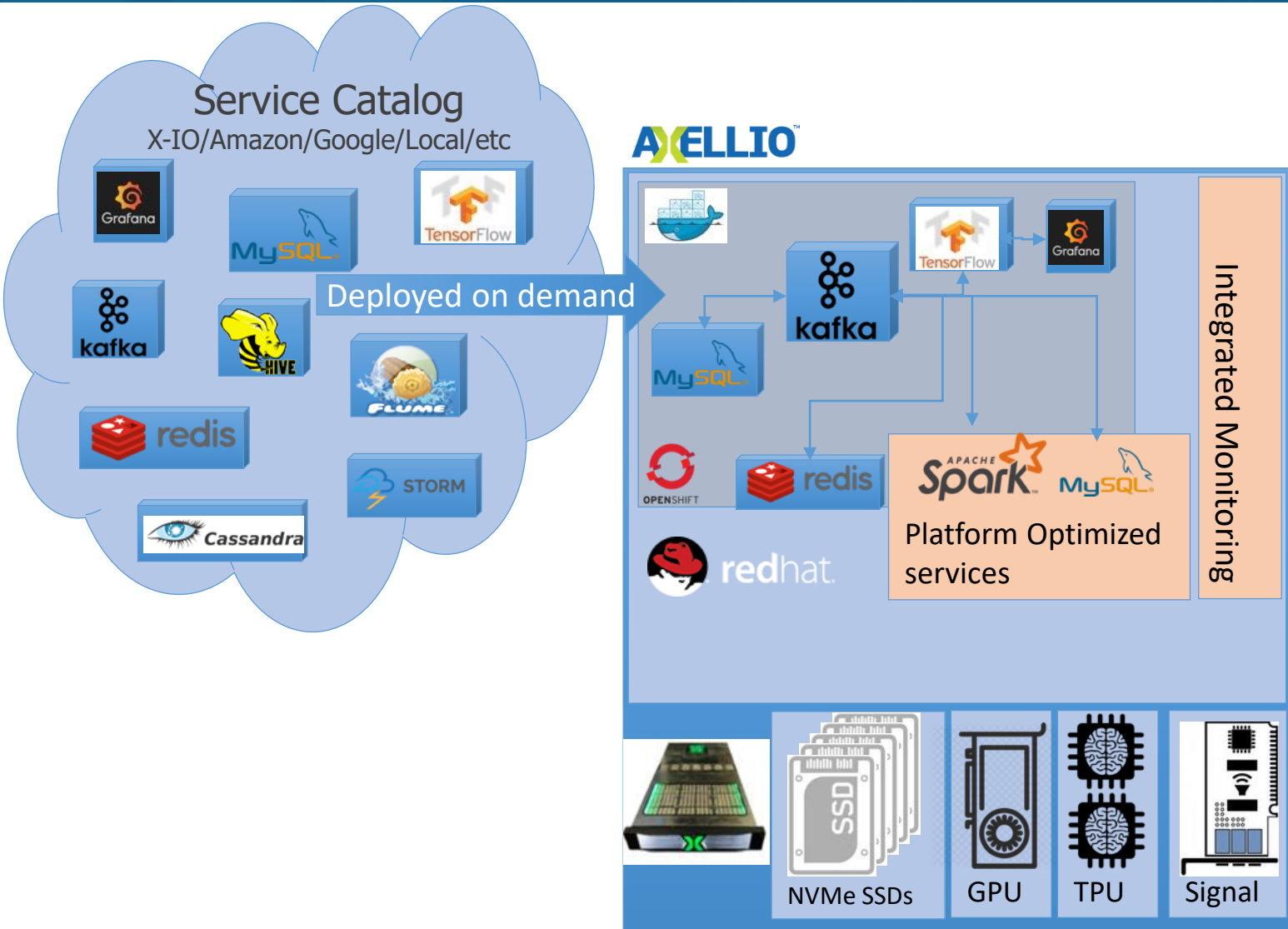
regulatory and proprietary processes are now under your control & influence

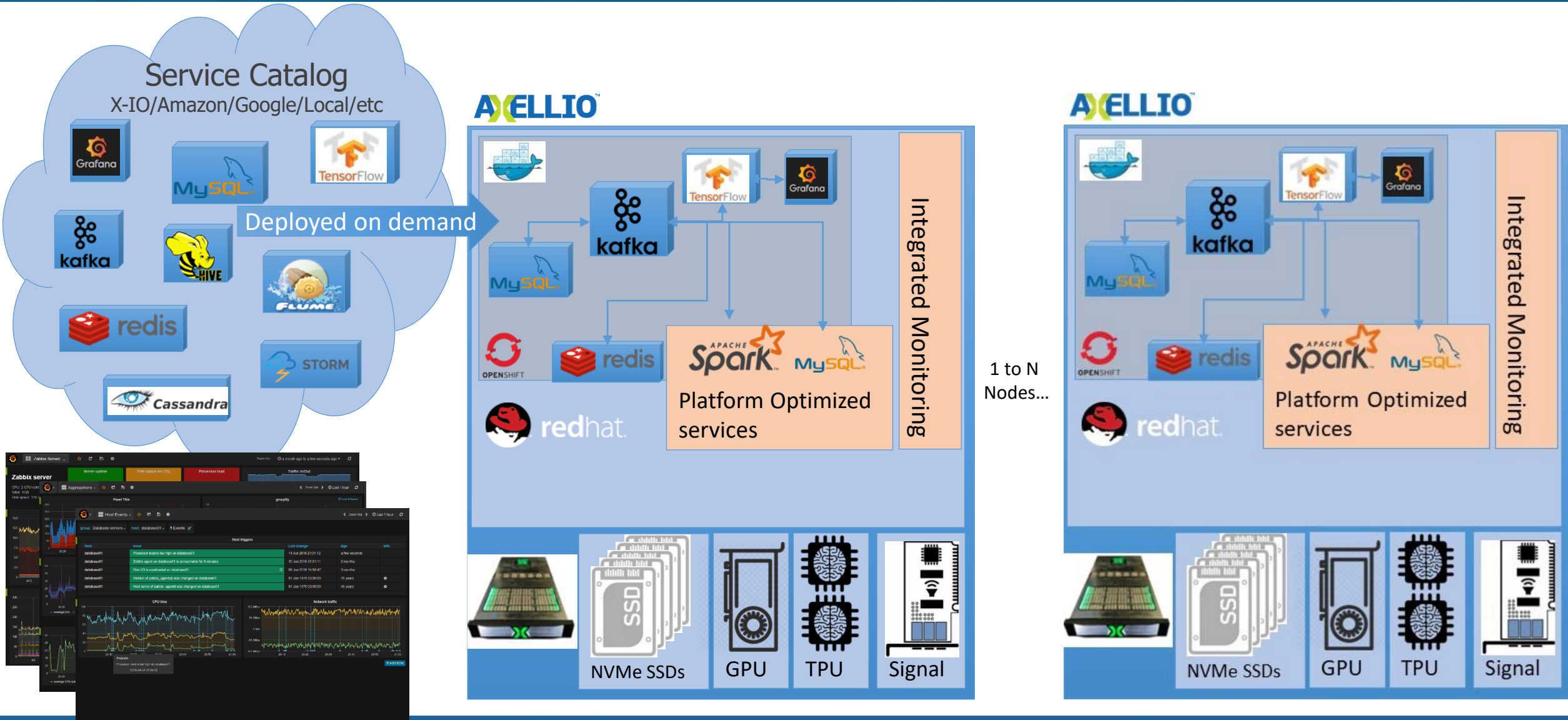
### Privacy



secure intellectual property, code, and business processes









Total Cost of  
Ownership

Latency

Bandwidth

Autonomy

Privacy

The benefits of Cloud architectures are numerous

But the Cloud as we know it has limitations

Eliminate Limitations | Reduce Costs | Improve Time-to-Answers  
with Axellio MicroCloud

Efficiency

Availability

Reliability

Security

Simplicity

# Thank You!!

Follow us:  @XioEdge  
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Please check the box for  
X-IO to know more

