

Adopting and integrating new technologies to create the next generation global front office platform





Mining for Alpha (The Rush for Data)

Big Data "Cloud" 2008.

Ultra Low Latency

Mifid II

Al

.2020





Data Cycle of Life

0001

- Data is created

0010

- Data is transported

0011

- Data is processed

0100

- Data is stored

0101

- Data is re-used





Maintaining Relevance as a Service Provider

Maintaining Relevance to Data

Being the Perfect Host





I really like the "Pay as you Use/auto refresh"

structure - how can I extend that to even my on-

premise bare metal platforms?

Questions that should be posed......

How can I be sure that the workloads I have both now and, in the future, will have the right compute performance characteristics HPC to general compute extremes?

How can I integrate my recent investments and insulate from changing trends?

How will the public cloud tariff structures suit me in the future? For compute, storage and data retrieval? Is our Security posture too conservative or aggressive when it comes to public cloud? - Will that change follow a highly visible security incident?

How can private & shared public cloud compute services & technologies be best leveraged today & optimally on a future timeline?

What if I wish to use multi clouds in different geographic regions?

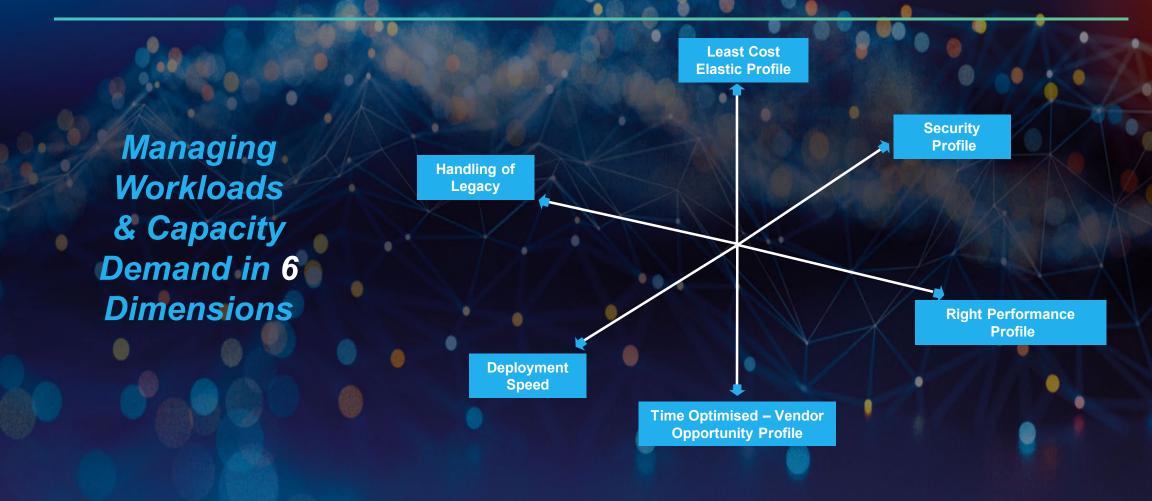
How do I transport securely cost effectively

What if I change my mind.....????





Next Generation Compute Fabric – Industry Alignment







Next Generation Hybrid Fabric – Compute/Store/Retrieve & Distribute

Dedicated High Performance Compute

- UL Latency Network
- Micro burst
- · High Volume transaction
- Hardware accelerators
- ULL Content & Execution
- Trading Lab
- Flexible Consumption
- Global Network Integration
- Global On Premise Distribution
- General Trading Utility
- All purpose content & execution
- Elastic Hardware as a Service
- FSI tuned toolsets
- Security & Compliance akin to Private Cloud
- Flexible consumption

Fixnetix Closed User Group (Trusted Distributed Premise)

Client Private Dev Ops OSS suite integrated over Open Source APIs

Global On/Off
Prem Trusted Network.
(Air Gapped from Internet)

Private Cloud

- Global Network Integration
- General Trading Utility
- All purpose private utility
- All purpose content & execution
- Deterministic Hardware
- Tailored Abstraction & Dev Ops
- Performance/conformance lab
- Global Network Integration
- All purpose utility
- Open cloud API abstraction
- Performance/conformance lab
- Flexible consumption

Multi - Public Cloud





Data Analytics

- Specialised Platform with bespoke functionality and analytics specifically designed for Financial Markets use cases.
- The core platform offers centralised capture, storage and analytics on the three primary finance datasets Market Data, Orders & Executions and Reference Data.
- The Platform architecture is modular.
 The core platform provides a common interface for data access, enabling applications to be plugged into the content they require without tightly binding them to data schemas or the underlying process topology.







2020's.....

Faster....Larger....Smarter....Reliant

Handling of Data

