

HFT Infrastructure Management



By consolidating our infrastructure into one solution, we realized quickly that the sum of the parts were indeed a lot greater than the whole.

We now have a single cluster that not only takes the load off the legacy platforms but builds upon it

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IN A TRADITIONALLY HARDWARE-DRIVEN FIELD LIKE FINANCIAL SERVICES, ANY MENTION OF A SOFTWARE DEFINED INFRASTRUCTURE WILL INVARIABLY LEAD TO CONCERNS OVER PERFORMANCE AND LATENCY. WITH JEDAI WE CAN ALLEVIATE ANY LATENCY, SECURITY AND BUDGETARY CONCERNS FOR FSI SYSTEM ADMINS. HERE'S HOW:

INFRASTRUCTURE CONTROL

With JedAI you can manage your entire Financial Services infrastructure from a secure, on-premise, container-driven orchestration platform. With the added option of bolting on bare metal overclocked servers, add high performance back end storage and containerise your mission critical applications. Save on costs, simplify your infrastructure management and enable faster application development and deployment.

LOW LATENCY

One of the many benefits of JedAI for FSI is the ability to virtualise part, or all of your infrastructure. We've debunked the myth that performance penalties apply as soon as you virtualise (visit our HFT blog where we managed to reduce latency times from 12 microseconds, to 2 microseconds – and bested this again at 1.3 microseconds using overclocked hardware!).

PHYSICAL ACCESS CONTROL

JedAI offers all of the features and functionality of an agile, software-defined infrastructure but in the safety and security of your own facility, chosen data-centre or co-Lo provider, so you get the best of both worlds (a software- defined infrastructure with full

USE CASES

High Frequency Trading

Risk Modeling

Quantative Analysis

FSI Workloads

KEY FEATURES

Ultra-Low Latency

Physical Access Control

Dynamic Scaling

Global Reach

Global DC Distribution

Full Infrastructure Control

Overclocked Servers

Bare Metal Provisioning

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physical access control).

DYNAMIC SCALING

Manage your entire infrastructure from a single pane of glass, dynamically scale your resources (bare metal or virtualised) on-demand and even burst to public cloud providers if demand dictates.

GLOBAL REACH

With JedAI, we can enable financial institutions to virtualise resources (eg. GPUs) which can be shared across a global user base, improving efficiency and utilisation and lowering TCO. Run secure dynamic Dev Ops environments on your own JedAI platform, that can spin up multiple different stacks, for use in any location that can scale on demand and elastically provision the resources as and when they are required.

GLOBAL DC DISTRIBUTION

The JedAI platform is on-net with over 650 globally connected DCs, so that no matter how geographically diverse your team is, they can enjoy the benefits of a software-defined infrastructure.

LOW LATENCY HFT SOLUTION PROVIDER

We've partnered with HFT industry leading suppliers ICC USA to deliver frequency optimised, low latency solutions that perform consistently at record speeds and more importantly, reliably. JedAI supports HFT workloads with these overclocked servers through bare metal provisioning with no detriment to performance.



Switch between bare metal provisioning and virtualised management orchestration for high frequency, low latency trading platforms

If you are interested in simplified IT management, scalable FSI resources, accelerated workloads and faster time to insight, talk to us about JedAI today.