



jedai



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Our new cloud infrastructure built on JedAI, opens up new opportunities for us to expand our customer offering, and gives us a robust foundation to now go and build our own customer-facing public cloud offering on top of

Simon Scott
Head of Technology
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THE JEDAI APPLIANCE IS A FULLY PRE-INTEGRATED AI SOLUTION INCLUDING HARDWARE, SOFTWARE AND SUPPORT SERVICES. OUR JEDAI SOLUTION RANGE ALSO INCLUDES A WIDE VARIETY OF GPU CLOUD HOSTING OFFERINGS, RANGING FROM ON-PREMISE, TO PUBLIC AND HYBRID MODELS.

Modern workloads are adapting AI tools and techniques to shift through enormous data volumes to extract insight or enhance solutions. JedAI provides the agility to respond and scale to any workload demands ranging from compute intensive simulation to processing of large data sets

WHAT IS JEDAI?

JedAI is a comprehensive Cloud Software stack, optimised for AI and Deep Learning that supports a broad range of workloads and software environments, enabling organisations with an agile and scalable AI-driven infrastructure. With JedAI, you get the flexibility of a software-defined architecture with accelerated hardware, optimised storage, and pre-integrated application stacks so that you can focus on harnessing the most value from your data.

WHY JEDAI?

Accelerate time to insights: Easily apply AI and machine learning models to your business apps, improving performance and cutting time to market, using an open and fully integrated platform.

Ingest Data from anywhere and Build Reusable Features: Ingest your unstructured and structured data in real-time and create reusable features.

Save costs by automating your workflow: Continu-

FEATURES

VM provisioning
Bare-metal provisioning
Container provisioning
Highly available control plane
•Software-defined networking
Internal VXLAN encryption
Virtual load balancers
Firewall security groups
API-driven infrastructure
Multi-region support
Web based GUI
Multi-tenant support
Central Authentication
Monitoring & Telemetry
Centralised logging
Kubernetes on-demand
Continuous system validation
GPU & vGPU support
Orchestration support
(Terraform, Ansible, Python)

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ously deploy and monitor new models into multiple environments (dev/production) and save time and resources on admin overheads.

Application Repository

JedAI includes full support for containerised workloads and applications including the NGC catalogue (NVIDIA GPU Cloud), as well as the latest versions of industry standard AI frameworks such as TensorFlow, Caffe and Theano among others

Container Management

JedAI features on-demand Kubernetes provisioning and scheduling for simplified container management, automating the deployment and management of containers, and simplifying complicated AI workloads.

Acceleration

GPU's are fundamental to the acceleration of today's AI workloads. JedAI is compatible with the worlds fastest GPU's - delivering unprecedented compute performance to accelerate innovation and decrease time to insights..

Storage

JedAI has integrated Lightbits LightOS™ - a software-defined block storage solution that delivers composable, high-performance, scale-out and redundant NVMe/TCP storage that performs like local flash.

PUBLIC CLOUD EXTENSION

When resources on premise reach capacity, JedAI can extend or replicate clusters out to a public cloud environment. High priority projects or sudden changes to resource demands can be accommodated instantly with an elastic infrastructure.

Appliance Building Blocks

Our suite of JedAI Building blocks include everything you need to begin your cloud journey, including compute, storage and accelerated options. Coupled with JedAI software's "single pane of glass" management interface, simplifying the orchestration of the resources, these building blocks are purposely specified to support a scale-out cloud-native architecture.

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