

EVIDEN

Nimbix

JARVICE™ XE extends visionary HPC and AI platform technology to any cloud or datacenter, including yours

JARVICE™ XE brings industry-leading supercomputing cloud technology into your data center to support advanced computing workflows while maintaining the option to easily burst to any public cloud, including Nimbix Cloud, for additional resources.

JARVICE XE uniquely delivers accelerated applications and workflows that take advantage of any infrastructure, bare-metal or virtualized, including InfiniBand, GPUs, and FPGAs on dedicated Kubernetes infrastructure.

The biggest challenge for an enterprise is managing an expanding set of high-performance workloads, including analytics and deep learning, against a diversifying set of technologies, such as new processors, storage, and inter-connect architectures. The container-based cloud approach in the JARVICE™ XE platform gives users an option for scaling these workloads while managing both the cost of deployment and the risk of new technologies.

Addison Snell,
CEO - Intersect360



HyperHub™ Application Marketplace

Curated software catalog of hundreds of turnkey HPC, AI, and ML/DL workflows



Workload Mobility

Supports deployments spanning multiple regions, data centers, and private, hybrid, or public clouds including the Nimbix Cloud, Amazon Web Services, Google Cloud and Microsoft Azure



Infrastructure agnostic

Runs on any combination of machines operating on any CPUs, GPUs, or FPGAs, including x86 and POWER, with any network fabric, bare-metal or Virtualized



Enterprise Ready

Integrates with corporate IT policies while providing seamless job accounting and analytics for enterprise-wide usage

<https://eviden.com/solutions/advanced-computing>



Easy To Use

- Enables point and click use of HyperHub for HPC and deep learning applications and workflows including simulation, computation, training, and inference
- Simple to launch, track, and account for jobs running in your clusters
- Platform-as-a-Service (PaaS) continuous integration and deployment for large-scale compute intensive workflows using your in-house algorithms or applications, or customization of commercial applications and workflows such as ANSYS, Siemens, and Dassault
- Enterprise Security integrates with Active Directory and SAML for seamless, secure authentication and authorization
- Complete task and job API compatibility with Nimbix public cloud or any other JARVICE XE deployment
- Unified enterprise analytics and reporting across all HPC workflows and jobs



Saves Money

- Eliminate application management, deployment, and engineering costs using automatic sync to HyperHub
- Run jobs on other clouds while eliminating cost to implement cloud-specific orchestration when using JARVICE XE as your HPC platform
- Run a full-time HPC Cloud platform, in-house, for cost-effective solution
- Speed up your workflows with computational accelerators including GPUs and FPGAs
- Secure containerized architecture enables seamless global updates of both platform and applications



Increases Productivity

- Deploy JARVICE XE anywhere in the world for data compliance or location
- Multiple teams and users can take advantage of your compute no matter where they are located
- Responsive user interface to access supercomputing resources anytime, anywhere, from any device
- Enable seamless global updates of both platform and applications with JARVICE XE secure containerized architecture

For more information please contact:

<https://eviden.com/solutions/advanced-computing>

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