

Performance Begins with Univa

Software-defined computing infrastructure solutions

THE UNIVA MISSION

Univa is the leading independent provider of software-defined computing infrastructure solutions. Univa's intelligent cluster management and orchestration software increases efficiency while accelerating enterprise migration to hybrid clouds.

Since 2011, Univa has earned the reputation of providing business with the ability to deliver products faster, more efficiently and at lower cost. Univa continues to grow its best-in-class enterprise-grade solutions by working with customers and partners, ensuring they maximize existing resources and modernize their cloud strategy.

THE UNIVA PORTFOLIO

Univa Grid Engine® is the trusted solution that allows organizations to create a single compute pool across distributed data center resources. With Grid Engine, enterprises can more efficiently execute complex and mission-critical applications, manage workloads automatically, and scale across on-premise, cloud or hybrid infrastructures. Grid Engine allows customers to address specific business needs, including comprehensive monitoring, reporting; cloud resource management and integration; license sharing according to business objectives; and container orchestration.

Navops enables enterprises to easily migrate to hybrid cloud, increase efficiencies, and run containers at scale. Navops utilizes workload placement and advanced policy management across on-premise, cloud, and hybrid infrastructures. With Navops, companies can automate microservices applications and efficiently respond to end user demand.

UNIVA IN ACTION

Univa powers the innovations of the future with proven products that enable new breakthroughs and discoveries in multiple industries.

EDA

Increase the speed of design and verification of integrated circuits before final production of semiconductor chips.

Life Sciences and Healthcare

Accelerate the processing of terabytes of raw data and provide the ability to run new analytical models to study viruses and vaccines.

Financial Services

Reduce run time to microseconds, providing a framework to run massive quantities of low latency tasks.

Oil and Gas

Deliver greater processing power to run critical seismic and reservoir analyses.

Aerospace & Automotive

Maximize computerized simulations and prototypes for military and commercial aircraft and automotive

Solutions Highlights:

- Optimize existing compute resources
- Increase workload throughput
- Cloud-enable clusters dynamically for resources on-demand
- Manage licenses and applications
- Obtain actionable insight with analytics and reporting
- Improve velocity and efficiency of containers
- Take full advantage of Kubernetes
- Automate microservices applications

Univa solutions improve enterprise performance by efficiently sharing data center assets for any mix of workloads and applying advanced scheduling and resource policies that maximize operations.

Organizations are unleashing the power of Univa products across:

- ANY application
- ANY environment
- ANY architecture

"The proof is in the pudding. Univa makes us go faster."

- Otmar Szafnauer, CEO, Racing Point Force India



Univa Grid Engine is a software suite that manages workloads automatically, maximizes shared resources and accelerates deployment of any container, application or service.

Features include:



Native Docker Support

Run Docker containers in a Univa Grid Engine cluster at scale and blend containers with other workloads supporting heterogeneous applications and technology environments.



Monitoring and Reporting

Track and measure resource utilization in workload managed clusters with the most comprehensive monitoring, reporting and analytics tool on the market.



GPU Support

Scale GPU-based frameworks from containers and servers to clusters and clouds.

Cloud-native HPC

Run HPC workloads on Kubernetes and share clusters between microservices and HPC applications.

Optional add-on:



License Orchestrator

Sharing and use of limited, often costly, application license features across users, groups, departments, or projects.



A solution suite that enables enterprises to easily migrate to the cloud and hybrid cloud, increase efficiencies and run containers at scale.

Products include:



Migrate HPC workloads to the cloud

Navops Launch is based on the open source project Tortuga, a general purpose cluster and cloud management framework and automates the deployment of clusters in local on-premise, cloud-based and hybrid-cloud configurations through repeatable templates.



Multi-tenancy and advanced policy management

Take full advantage of Kubernetes with proven automated workload placement and policy management solutions that plug into any Kubernetes distribution to maximize shared resources and manage service applications.

About Univa

Univa is the leading independent provider of software-defined computing infrastructure and workload orchestration solutions. Univa's intelligent cluster management software increases efficiency while accelerating enterprise migration to hybrid clouds. Millions of compute cores are currently managed by Univa products in industries such as life sciences, manufacturing, oil and gas, transportation and financial services. We help hundreds of companies to manage thousands of applications and run billions of tasks every day. Univa is headquartered in Chicago, with offices in Toronto and Munich. For more information, please visit www.univa.com.



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