

# Univa Unisight

## Open monitoring and reporting for Univa Grid Engine environments

### OPEN CLUSTER REPORTING MADE EASY

Univa Unisight is a comprehensive reporting, monitoring, and alerting solution for tracking and measuring resource utilization across one or more Univa Grid Engine clusters.

Unisight puts HPC managers in control with a comprehensive, open data collection framework and flexible APIs that can be used with multiple monitoring and reporting tools. Users can get started quickly using pre-built dashboards designed for use with the Grafana™ and the Prometheus time-series database<sup>1</sup>.

Through the intuitive Grafana web interface, users have full visibility to both current and historical data for all facets of cluster operations, including jobs, applications, containers, users, GPUs, software licenses, and hosts. Users can easily query, visualize and alert on cluster and job-related metrics, and create, explore and share custom dashboards with team members.

With unmatched visibility into resource usage by department, administrators can quickly pinpoint issues, remove application bottlenecks, and identify opportunities to reduce cost and improve efficiency. Unisight helps provide the insights necessary to make informed IT strategy and budget decisions in on-premise, hybrid-cloud, and multi-cloud environments.

<sup>1</sup>Open-source Grafana and Prometheus must be installed separately.

### KEY FEATURES AND CAPABILITIES

#### Leverage Open-source Tools

Your choice of reporting tools with pre-built dashboards for Grafana

#### Detailed Real-time Monitoring

Track and report on all Univa Grid Engine attributes including Jobs, Resources, Queues, Hosts, Users and more

#### Historical Charts

Review previous cluster and node information for one or more clusters to determine future load and archive data for analysis.

#### Open, Scalable Data Infrastructure

Collects raw metrics from multiple Univa Grid Engine clusters in a scalable, high-performance datastore

#### Collaboration & Sharing

Create and share custom dashboards and export graphs and charts for off-line analysis

#### Integrated Alerting

Set alerting thresholds for key metrics via flexible Grafana dashboard panels

#### Flexible & Extensible

Easily integrate additional data sources, leverage pre-built plug-ins, or query Univa Grid Engine data with an open GraphQL API

### Univa® Unisight Highlights

- Understand utilization by application, user and resource including container and GPU workloads
- Reconcile business priorities with current usage patterns
- Allocate resources to the most valuable applications
- Make informed IT purchasing and budget decisions

### What's New?

- Open, extensible Unisight data gathering framework and data bridge
- Pre-built reference dashboards for Grafana
- Standard GraphQL query API provides open access to all data
- Dashboard customization services available from Univa

## Univa Unisight Dashboard



### Supported Operating Systems:

- 64-bit Red Hat Enterprise Linux Server 7.0 or later
- 64-bit CentOS 7.0 or later
- 64-bit SuSE Linux Enterprise Server 12 and 17 SP4
- 64-bit Ubuntu 16.04

### Supported Univa Grid Engine versions:

- UGE 8.6.5 or later

### Requirements for integration with open-source Grafana and Prometheus

- Unisight 4.4.2 or later
- Univa Rest API for Univa Grid Engine
- Python 2.7 or later

### Availability:

Univa Unisight is available now and is in production in some of the world's most demanding environments. For more information, contact Univa at: [sales@univa.com](mailto:sales@univa.com).

## 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](http://www.univa.com).



**Univa Corporation** 2300 North Barrington Road, Suite 400, Hoffman Estates, IL, 60195 USA  
Tel: +1.647.478.5901 [www.univa.com](http://www.univa.com)