

Univa Unisight

Track and monitor resource utilization

CLUSTER REPORTING MADE EASY

Unisight is the most comprehensive monitoring and reporting solution on the market used to track and measure resource utilization in Grid Engine managed clusters.

Bundled with Univa Grid Engine software, Univa's powerful and highly scalable solution monitors current and presents historical data on jobs, applications, container images, users, GPUs, software licenses and hosts. Unisight is used to generate and share reports that provide unmatched visibility into overall performance, efficiency and actual use of cluster resources.

With Unisight, organizations take an important step toward cluster optimization by better understanding infrastructure utilization and workflow.

The solution is easy to install, configure, and administer. Using the built-in reports and monitors, customers can visualize resource usage – including software license - to obtain the deep insights required to make informed long-term IT strategy and budget decisions from server architecture to memory requirements.

KEY FEATURES AND CAPABILITIES

Powerful Rules Engine

Ties rules to Grid Engine Object attributes Job, Resource, RSMAP,

Queue Instances, Cluster Queue, Hosts and User

Robust RBAC Controls and Integrated Functionality

WebUI and Third Party Data LDAP Integration (OpenLDAP and Active Directory)

Third Party Data Support

Enables correlation to external data such as hardware metrics to identify issues and bottlenecks

Multi, Stacked Line and Bar Attributes on a Single Graph

Quickly monitoring and identifying performance issues with a single view of all nodes in a cluster.

Multi-Cluster Data Collection

Collect data from multiple clusters and schedulers within a single database making it possible to compare throughput and other performance metrics on different machines.

Live Reports & Charts

Examine real-time data with cluster information such as queued jobs, running jobs and current status of application behavior.

Historical Charts

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

Collaboration & Sharing

Any chart or graph can be quickly shared with one or many users of Unisight or exported as PDF and CSV for offline analysis.

Univa® Unisight Highlights

- Understand utilization by application, user and resource including Docker container 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?

- 3rd party data correlation including Rule Engine support to trigger actions and events based on external data
- Robust RBAC controls
- Many Reporting, Charting, and General UI Improvements
- Collecting metrics from the Grid Engine GPU load sensor for one or more NVIDIA GPU cards
- Gathering data for Docker-enabled Univa Grid Engine hosts and creating reports and graphs to show Docker enabled hosts and used Docker images
- Detecting Univa Grid Engine complex metrics for use as filters and metrics
- Collecting data on Univa Grid Engine complex entries or self defined metrics to be used as filters and metrics

Univa Unisight Dashboard



Supported Operating Systems:

- 64-bit Red Hat Enterprise Linux Server 6.6 or later
- 64-bit CentOS 6.6 or later
- 64-bit SuSE Linux Enterprise Server 12 and 11 SP4
- 64-bit Ubuntu 14.04.4 LTS

Supported Univa Grid Engine versions:

- UGE 8.3.1p12 or later
- UGE 8.4.0 or later
- UGE 8.5.0 or later

Availability:

Univa Unisight v4.4 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.

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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