

Univa Short Jobs

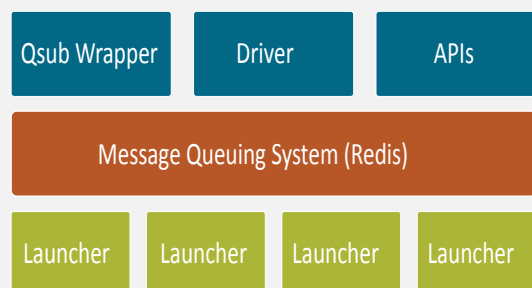
Support millions of jobs with run-times down to microseconds

Univa Short Jobs is a framework to run massive quantities of short-lived workload with near-zero overhead to Univa® Grid Engine®.

Univa Short Jobs Add-On Highlights

- Rapid processing of workload with short run-times
- Organizing workload into categories and supporting interdependencies
- Submitting complete workflow in one sweep or per task via a qsub wrapper or a submission API
- Fail-safety and self-healing features

Univa Short Jobs Architecture



Customer Support

We know our success depends upon the success of our clients. Our customer support team is committed to providing clients with unparalleled care.

RUNNING MASSIVE QUANTITIES OF WORKLOADS

The Univa Short Job Add-On provides a framework to run massive quantities of low latency tasks inside a Univa Grid Engine cluster. The runtime can be down to microseconds without causing performance and scalability degradation through scheduling overhead. Throughput ratios of 20,000 tasks per second and more can be achieved.

Univa Grid Engine policies can be applied to Univa Short Job workload despite the extremely efficient handling of massive amounts of work being processed.

KEY FEATURES AND CAPABILITIES

Efficient Processing of Short Jobs

Running hundreds of thousands or even millions of workload in the shortest possible time.

Simple Installation and Configuration

Univa Short Jobs auto-installs on top of Univa Grid Engine and supports various configuration options which are integrated with standard Univa Grid Engine policy controls.

Flexibility

Submit complex workflow in one sweep or easily integrate qsub-based workflows with a qsub wrapper or programmatic workflows with a submission API.

Smart User Interface

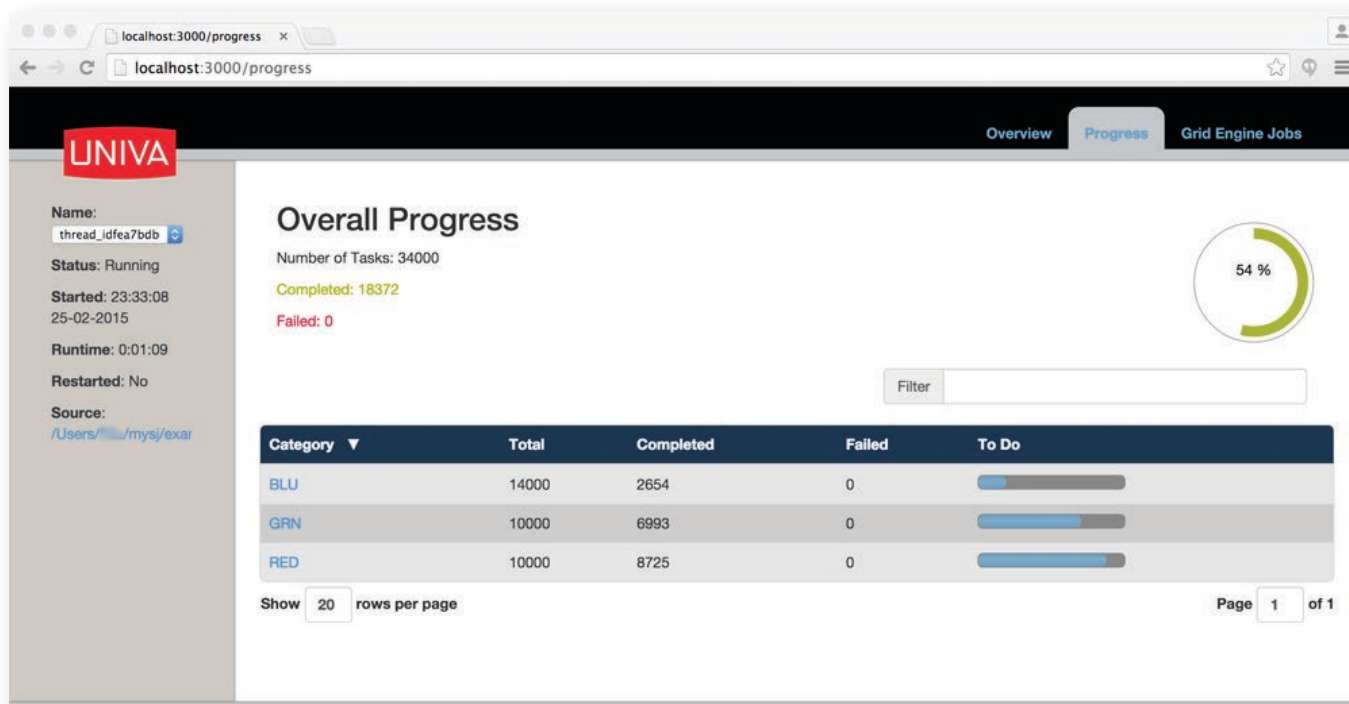
A well-designed web user interface that provides you with clear monitoring and controlling of Univa Short Job workflow.

Fail-Safety and Self-Healing

Functionality such as checkpoint/restart of entire workflow or black-hole detection of misconfigured hosts facilitates reliable execution.



Univa Short Jobs Dashboard



THE UNIVA SHORT JOBS INTERFACE

- Select and monitor workflows
- Live view of task completion progress
- Collection of full job data from Univa Grid Engine
- Visualization of accounting metrics via link to Univa UniSight Reporting Add-On

About Univa

Univa is the leading innovator of workload management products that optimize performance of applications, services and containers. Univa enables enterprises to fully utilize and scale compute resources across on-premise, cloud, and hybrid infrastructures. Advanced reporting and monitoring capabilities provide insights to make scheduling decisions and achieve even faster time-to-results. Univa's solutions help hundreds of companies to manage thousands of applications and run billions of tasks every day. Univa is headquartered in Chicago, with offices in Canada and Germany. For more information, please visit www.univa.com.

