



UNICLUSTER EXPRESS FOR SUN GRID ENGINE USERS

Fully Integrated Comprehensive Cluster Computing

UNICLUSTER FAQs FOR SGE USERS

I'm already using SGE – why bother adding UniCluster Express?

A job scheduler is only one piece of a cluster management stack. UniCluster Express with SGE embedded provides a complete set of integrated components (including monitoring, remote access and security) – so you save time and money in building out your cluster.

I like SGE – does UniCluster Express mean switching?

Not at all. UniCluster Express embeds SGE as its scheduling component. So you'll continue to use SGE – plus a new range of key cluster functionality.

I already have SGE installed – how easy is it to upgrade?

It couldn't be easier – with a simple download and 15-20 minute installation you can be up and running on UniCluster Express. The product integrates with your existing SGE version – no uninstall, special configuration or other work is needed.

www.univaud.com

Overview

Running UniCluster Express with an existing Sun Grid Engine (SGE) installation saves users time and money in building and managing clusters. This fully supported open source product delivers the complete range of cluster computing functionality in a simple, fully integrated install – extending your SGE solution for greater performance without additional cost or overhead.

Going Beyond a Basic Scheduling Solution

Traditional SGE implementations deliver robust job scheduling, but this is only one piece of a cluster stack. For a complete solution with all the functionality needed to run cluster applications, users need additional components including monitoring, systems management, and remote access.

Unfortunately, most commercial vendors lock customers into hefty maintenance costs and can be unpredictable to work with, offering support for only certain pieces of the stack. And the alternative – cobbling together an ad-hoc solution from available tools – is risky for production environments. As a result, organizations end up either overspending or suffering from a solution with limited functionality, which can end up being more costly than a commercial alternative.

The Comprehensive Solution from Univa UD

Now there's a better option. UniCluster Express is an open source technology that adds value to an existing SGE installation – or to any cluster implementation – so you don't have to pay for high-priced functionality you don't need or try to build a solution on your own.

UniCluster Express saves SGE users time in building, managing, and updating their clusters. The product includes full commercial support for every component and also captures the best practices and expertise of Univa UD cluster experts via business logic embedded throughout the stack -- so users are able to move quickly and easily from novice to expert.

Why UniCluster Express?

Here's why SGE users choose UniCluster Express for complete cluster management:

- **Provides a complete, fully integrated cluster stack**

All components of UniCluster Express are pre-integrated to operate together. UniCluster Express includes all elements of a full cluster stack – it's everything you need to run cluster applications.

- **Saves users time and money in building and managing clusters**

UniCluster Express installation is fast and easy, with a simple, seamless upgrade process. And with full support via the both Grid.org community and Univa UD, users can rest assured their implementations are sustainable.

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- **Embeds best practices**

The cluster experts at Univa UD have incorporated business logic into the configuration and management processes of UniCluster Express, so new users can come up to speed quickly.

- **Provides unrestricted commercial support**

Unlike other products, UniCluster Express is fully supported – every component of the product has commercial-grade support available.

How it Works

UniCluster Express integrates the SGE scheduler with a variety of other components to provide a complete cluster management solution. Users simply install the free open source UniCluster package on top of an existing SGE installation.

All components of UniCluster Express are pre-integrated to operate together. UniCluster Express includes all elements of a full cluster stack - it's everything you need to run cluster applications.

Solution components include:

- Policy-Based Job Scheduling with SGE
- Integrated, One-Step Installer
- Extensive Monitoring
- Efficient Data Management
- Robust Grid Services

“By choosing a supported open source approach, companies can keep costs down while enjoying all the benefits of a proven and reliable technology solution.”

–Jay Ruffin, Diamond Consulting

Get UniCluster Today

SGE users can access this full range of cluster functionality simply by downloading UniCluster Express with SGE embedded. By doing so, users receive not only the newest version of SGE but also a full stack of management components. The product is free, and installation is fast and easy thanks to UniCluster Express's integrated process.

To get up and running with UniCluster Express today, visit the Grid.org open source community at www.grid.org.

About Univa UD

Univa UD is the leading provider of high-performance computing (HPC) systems management software for the complete distributed computing lifecycle. Univa UD products simplify the complex nature of deploying and operating cluster and grid computing environments and save customers time and resources while giving them confidence that their solution will perform as expected. Hundreds of Global 2000 companies come to Univa UD to build and operate their HPC infrastructures, from small-scale workgroup clusters to enterprise grids. With a community-enabled open source model and a focus on making business easier for our customers, Univa UD is advancing the vision and practice of HPC. Visit us at www.univaud.com.

UNICLUSTER EXPRESS FEATURES:

- **Simple to acquire:** UniCluster Express is a free open source product available on www.grid.org.
- **Simple to deploy:** UniCluster Express is fast and easy to install, with fully integrated configuration – so users can get up and running quickly.
- **Simple to run applications out of the box:** With dozens of existing application integrations across a range of verticals, users can quickly get their applications on board.
- **Simple to operate:** UniCluster Express employs proven, mature components which ensure reliable, streamlined operation.
- **Simple to manage:** UniCluster Express includes robust monitoring tools, built-in security, and an integrated GUI that aggregates cluster and job data.
- **Simple to support:** UniCluster Express is community-enabled, with full commercial support available for all components.



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