

# Univa Open Source HPC Cluster and Grid Software

Sun Grid Engine Workshop

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**Mission:** Premier open source provider of cluster and grid software, support and services

**Intersection of 3 of the top 10 key strategic technologies for 2007 (Gartner)**

- Grid computing
- Virtualization
- Open source software

**Founded in 2004 by the “Fathers of Grid”**

- Creators of Globus software, leaders of Globus community
- Globus: Most widely deployed enterprise Grid middleware product in the world
- Recognized experts in Grid and Cluster Computing

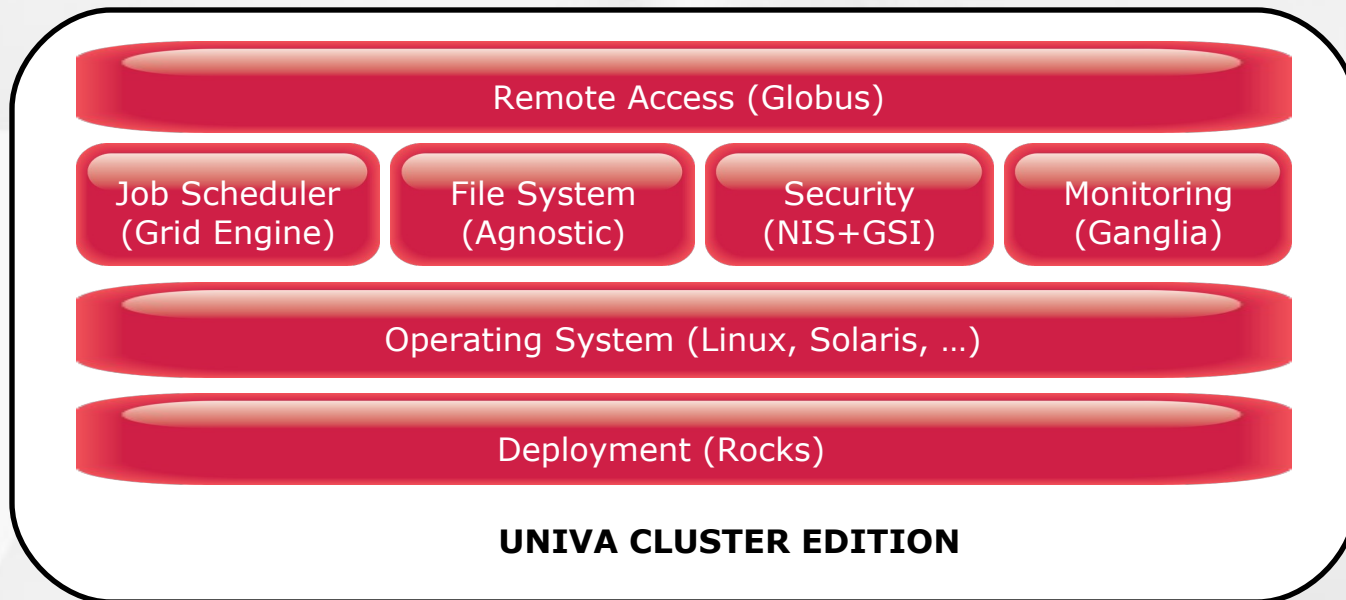
## Univa Partnership With Sun

- Univa Cluster released with open source Grid Engine (May 1)
- Univa joined Sun Partner Advantage Program and Partner Community for HPC
- Sun and Univa announced that Univa will offer the *commercial* Sun Grid Engine as OEM partner (June 30)
  - Production quality binaries integrated with Univa's stack
  - Full customer-facing support and services through Univa
  - Sun's high-quality back-line support
- Univa Cluster to be available to Sun SGE customers as add-on
- Univa Cluster to be available for Solaris 10
- Working to establish tighter bundling relationship with Sun

## Univa Cluster Edition

Univa Cluster integrates best-of-breed open source technologies into a full featured, mature, cluster software stack

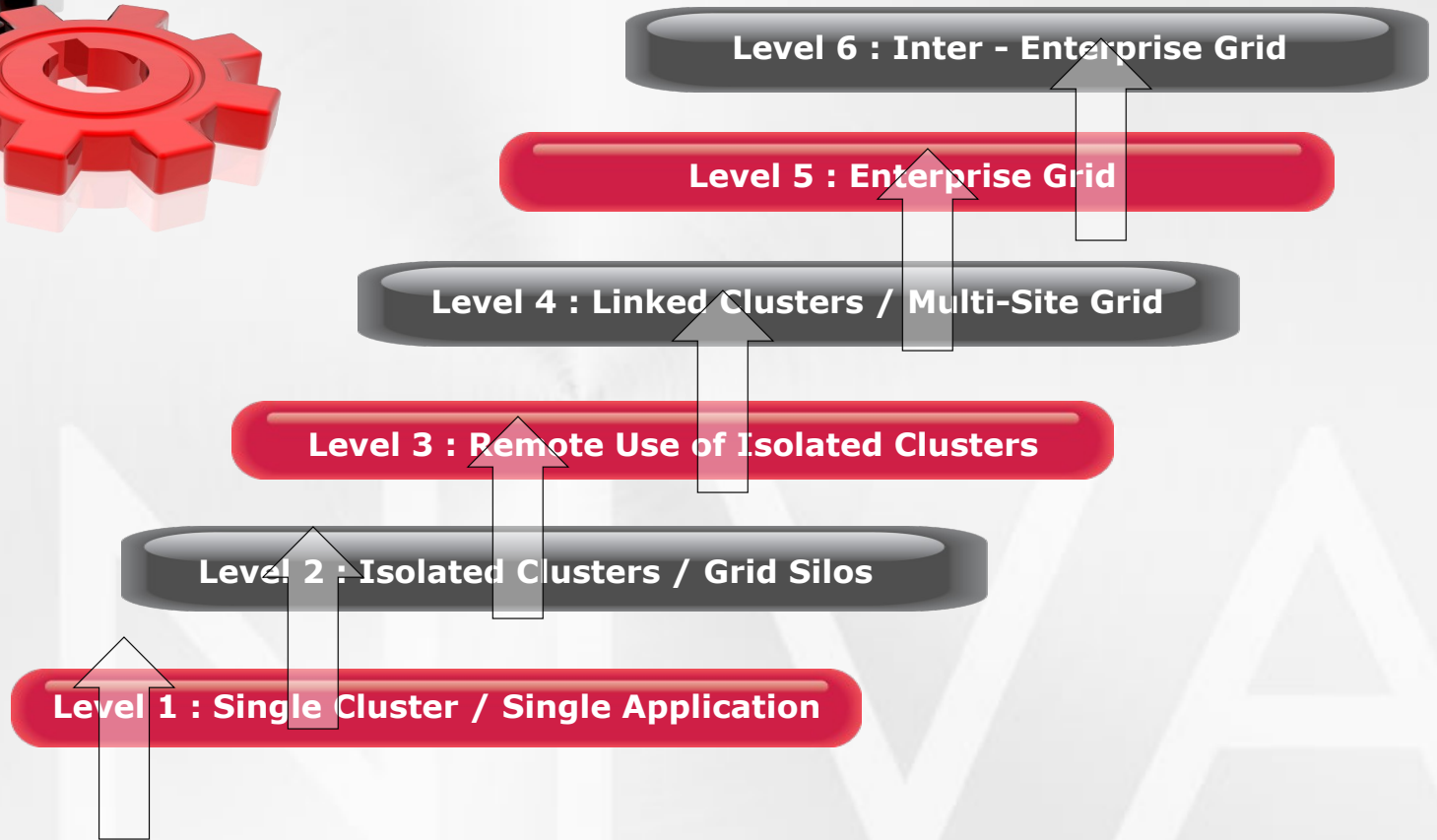
- Robust, scalable, open source, increased value
- Multiple uses aligned with business goals
- Application access for remote users
- Coming soon: integrated installation & monitoring, Professional version



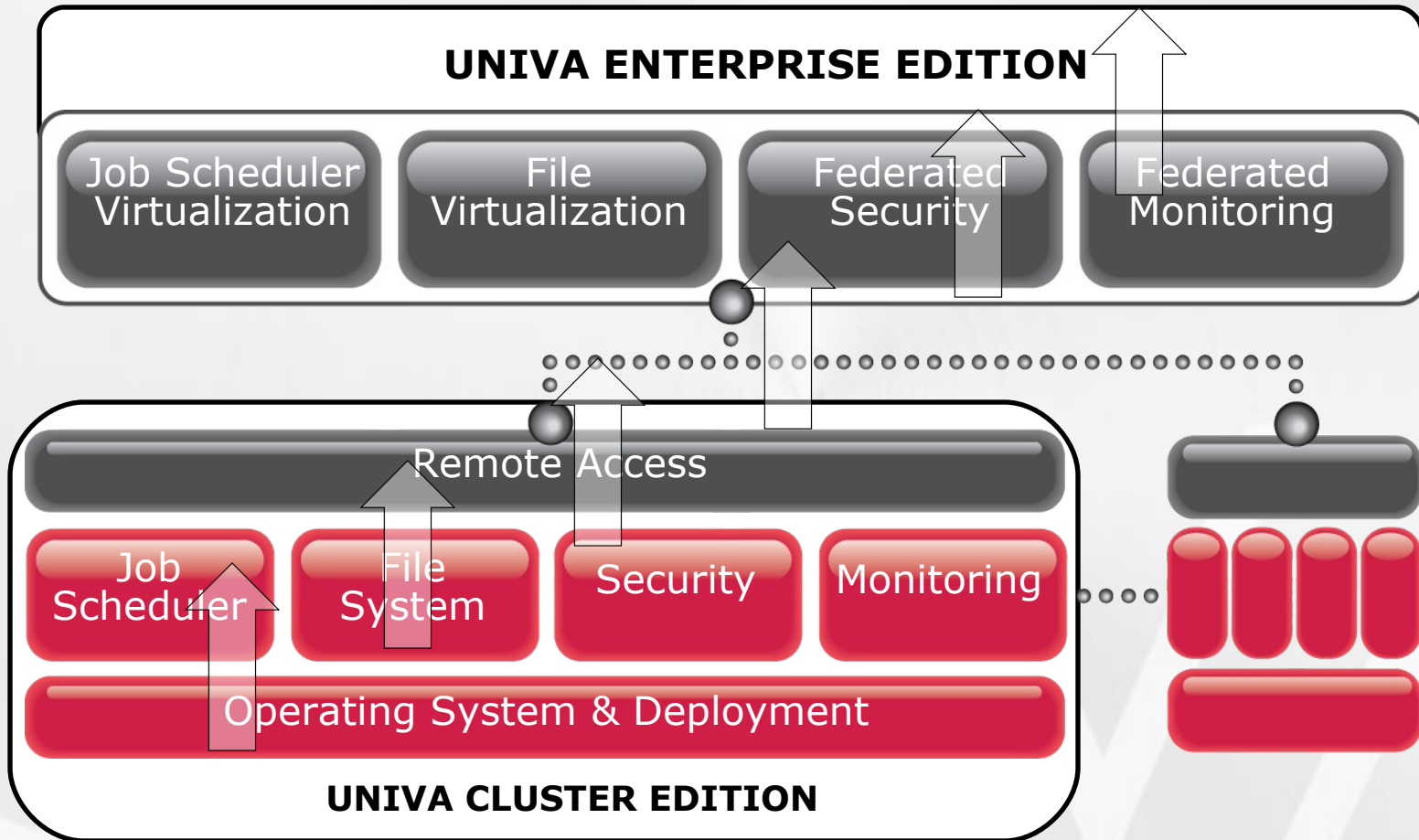
## Comparing Univa Cluster and SGE

- Support from Univa includes support from Sun
  - Univa Cluster uses SGE licensed product
  - Univa provides front-line support
  - Back-line support for SGE from Sun
- Integration with other components, with support
  - SGE + Ganglia, Globus, Rocks, more coming
  - SGE extensions (e.g. license management)
  - Integrated installation, monitoring and reporting
- Complete solutions with partners
  - Hardware, software, custom apps, custom GUIs, business strategy, operations, etc.

# Cluster And Grid Adoption Lifecycle

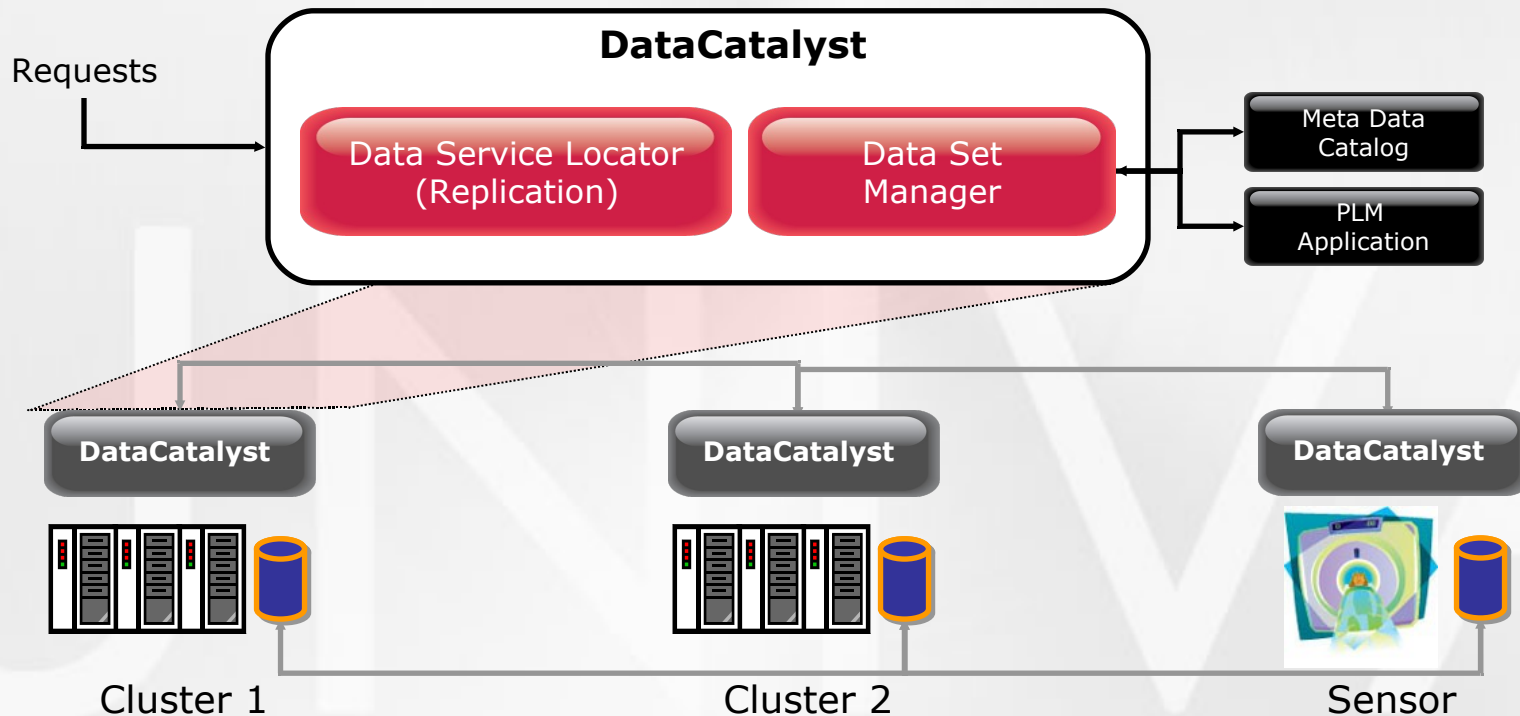


# Univa Enterprise Edition



## DataCatalyst - High-Performance File Virtualization

- Intelligent, reliable file transfer, synchronization, and archiving
- Interface for application workflow integration
- Hardware resource optimization
- Optimized for data-intensive applications
- Beta available now; will be open source





## Target Markets / Applications

Health Sciences

Medical imaging, chem/bio-informatics

Manufacturing

EDA, fluid dynamics, crash test simulations

Financial Services

Risk/portfolio analysis, Monte Carlo simulations

Media

Digital content creation, animation

Energy

Reservoir simulations, seismic processing

## Univa Service Offerings

Application  
Adaptation

Strategic  
Assessments

Rapid  
Deployment

Training &  
Education

## Capabilities

"Out of the Box"  
Workshops

Architectural  
Design

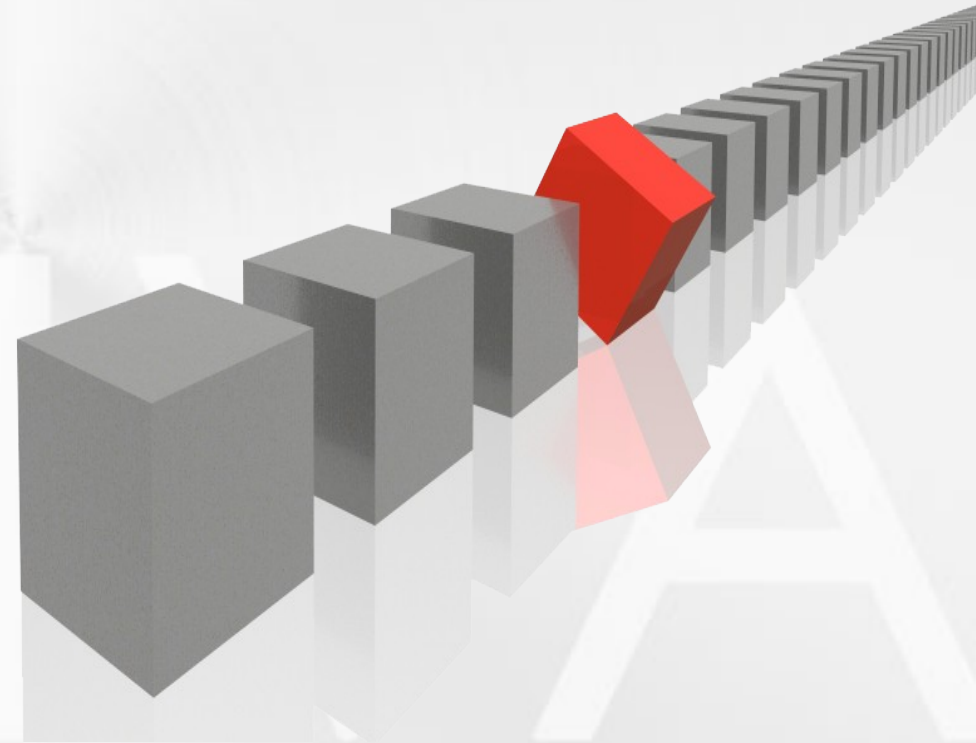
Expertise in  
Cluster & Grid  
Computing

Proof of  
Concepts

*From the Industry's Recognized Grid and Cluster Experts*

# Software Support Services

Level	Gold		Platinum	
Coverage Hours	9am -7pm EST, M-F, except Holidays		24 x 7 x 365	
Access Methods	Phone, E-mail, Web SelfService		Phone, E-mail, Web SelfService	
Severity Level	Initial Target Response	Level of Effort	Initial Target Response	Level of Effort
1	4 business hours	Continuous effort during business hours until interim fix	4 clock hours	24x7 continuous effort until interim fix
2	4 business hours	As mutually agreed	4 clock hours	As mutually agreed
3	1 business day	As mutually agreed	1 business day	As mutually agreed
4	2 business days	As mutually agreed	2 business days	As mutually agreed
Support Contacts	2		3	
Incidents	Unlimited		Unlimited	
Knowledge Base*	Included		Included	



## Conclusion

- Consider using Univa Cluster
  - Integrated stack of SGE + other components
  - New version of Univa Cluster coming soon
- More info at OGF21 (Seattle, Oct 15-19)
- Demos at Univa booth at SC07 (Reno, Nov 10-16)
- Exciting announcement next week...