



## gLite: EGEE's Grid Middleware

Middleware holds the grid together. It is the software that allows users to securely access the integrated computing and storage resources of a grid —often described as the grid's "glue".

EGEE develops and deploys a middleware distribution called gLite. Released under a business-friendly open-source license (Apache 2) both academic and commercial users are allowed to download, install and freely modify the code for their own purposes.

### The gLite distribution

The gLite middleware stack provides the user both with foundation level and higher level services. Foundation level services ensure security, resource access and systems to monitor grid activity. These provide the basis for a consistent and dependable production infrastructure.

Higher level services provided by gLite include job management, data catalogues and data replication, providing applications with the tools to build end-to-end solutions. Other third party projects complete a rich ecosystem built on the gLite foundation services.



### Integration & development

EGEE's gLite middleware distribution represents an integrated release of components from a number of sources: EGEE, the largest contributor, as well as Condor, Globus, Virtual Data Toolkit and Worldwide LHC Computing Grid developed services. By releasing these components, assembled from a number of sources, as an integrated set, we certify the versions in the release are interoperable, and provide a 'one stop shop' for updates and documentation.

Presence in the gLite stack means that a component has gone through testing and certification processes to ensure reliability and functional correctness, and that it will benefit from support from the project.

The RESPECT programme (Recommended External Software for EGEE CommuniTies) evaluates and publicises third party grid software and services that work well with the gLite middleware and with the EGEE infrastructure.

### Interoperability

In order to promote interoperability with other grid infrastructures, the interfaces of the services are, wherever possible, compliant with established standards, primarily defined by the Open Grid Forum. With its experience in developing production strength services, EGEE is also committed to contribute to the standardisation process through the OGF-Europe project.



## Try out gLite

EGEE welcomes your participation as an end-user, manager of a Virtual Organization (VO), or as a resource provider. To learn more visit the User Support pages of the EGEE website.

## Links & contacts

### EGEE contacts

Press office  
Project management  
Business forum

[project-eu-egEE-dissemination@cern.ch](mailto:project-eu-egEE-dissemination@cern.ch)  
[project-eu-egEE-po@cern.ch](mailto:project-eu-egEE-po@cern.ch)  
[contact@trust-it-services.com](mailto:contact@trust-it-services.com)

### gLite contact

gLite discussion

[glite-discuss@cern.ch](mailto:glite-discuss@cern.ch)

### Websites

EGEE  
gLite  
Become a user  
Apache 2 license  
Open Grid Forum  
OGF-Europe

[www.eu-egEE.org](http://www.eu-egEE.org)  
[www.glite.org](http://www.glite.org)  
[technical.eu-egEE.org/index.php?id=392](http://technical.eu-egEE.org/index.php?id=392)  
[www.apache.org/licenses/LICENSE-2.0.html](http://www.apache.org/licenses/LICENSE-2.0.html)  
[www.ogf.org](http://www.ogf.org)  
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