

# Technology Providers

The purpose of this page is collecting the list of the Technology Providers, namely institutions, enterprises, projects that develop services, products, middleware and provide EGI with them.

The TPs that provide products integrated in the EGI distributions are indicated in the corresponding column "Integration with UMD/CMD".

If products are integrated in CMD, you will see them listed in the [CMD Products](#)

If products are integrated in UMD, you will see them listed in the [Product ID Cards](#)

Name	Components	Leader	Contact	GGUS Support	Issue Tracking	Releases	Homepage	Integration with UMD /CMD
AMGA	<ul style="list-style-type: none"> <li>AMGA</li> </ul>	Soonwook Hwang	<ul style="list-style-type: none"> <li>hwang AT kisti spamno t.re.kr</li> <li>support-amga@cern.ch DELIVERY FAILS</li> <li>Nuno.Santos@cern.ch DELIVERY FAILS</li> <li>Birger.Koblitz@cern.ch</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <a href="#">AMGA</a></li> <li>QoS level: <b>Base</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>		
APEL	<ul style="list-style-type: none"> <li>APEL Client, Library, Parsers, and Server</li> <li>APEL SSM</li> </ul>	Adrian Coveney	<ul style="list-style-type: none"> <li>apel-admins AT stfc.ac.uk</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <a href="#">APEL</a></li> <li>QoS level: <b>Medium</b></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">APEL Issues</a></li> <li><a href="#">SSM Issues</a></li> </ul>	<ul style="list-style-type: none"> <li>Notes: <a href="#">APEL CHANGELOG</a>, <a href="#">SSM CHANGELOG</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="http://apel.github.io/">http://apel.github.io/</a></li> </ul>	
ARGUS Collaboration	<ul style="list-style-type: none"> <li>PEP client and server (Policy Enforcement Point)</li> <li>PAP (Policy Administration Point)</li> <li>PDP (Policy Decision Point)</li> <li>Config and Monitoring packages</li> <li>ARGUS EES &amp; LCMAPS plugin for Argus</li> </ul>	<a href="#">ARGUS Collaboration</a>	<ul style="list-style-type: none"> <li>argus-support @googlegroups.com</li> </ul>	<ul style="list-style-type: none"> <li>Unit:</li> <li>QoS level:</li> </ul>	<ul style="list-style-type: none"> <li>Hosted at INFN JIRA: <a href="https://issues.infn.it/jira/browse/ARGUS">https://issues.infn.it/jira/browse/ARGUS</a> (it does not cover EES)</li> <li>Hosted at NIKHEF Bugzilla: <a href="http://bugzilla.nikhef.nl">bugzilla.nikhef.nl</a> (EES only, Security Middleware Category)</li> </ul>	<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	<ul style="list-style-type: none"> <li><a href="https://twiki.cern.ch/twiki/bin/view/EGEE/AuthorizationFramework">https://twiki.cern.ch/twiki/bin/view/EGEE/AuthorizationFramework</a></li> <li>For EES: <a href="https://wiki.nikhef.nl/grid/EES">https://wiki.nikhef.nl/grid/EES</a></li> </ul>	
Grid Information System	<ul style="list-style-type: none"> <li>BDII core</li> <li>BDII top</li> <li>BDII site</li> </ul>	EGI Foundation	<ul style="list-style-type: none"> <li>operations@ma.ilmn.egi.eu</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <a href="#">Information System Development</a></li> <li>QoS level: <b>Medium</b></li> </ul>	<a href="https://github.com/EGI-Federation/bdii">https://github.com/EGI-Federation/bdii</a> and other component-specific GitHub repositories	<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	<a href="http://gridinfo.web.cern.ch/">http://gridinfo.web.cern.ch/</a>	
CREAM	<ul style="list-style-type: none"> <li>CREAM-BLAH</li> <li>CREAM</li> <li>CREAM [LSF Torque SLURM] module</li> </ul>	Lisa Zangrando	<ul style="list-style-type: none"> <li>lisa.zangrando@pd.infn.it</li> <li>marco.veriato@pd.infn.it</li> <li>blah-cream@lists.infn.it</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>CREAM-BLAH</b></li> <li>QoS level: <b>Medium</b></li> </ul>	<a href="https://issues.infn.it/jira/browse/CREAM">https://issues.infn.it/jira/browse/CREAM</a>	<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	<a href="https://wiki.italiangrid.it/twiki/bin/view/CREAM/WebHome">https://wiki.italiangrid.it/twiki/bin/view/CREAM/WebHome</a>	

CREAM (S)GE module	<ul style="list-style-type: none"> <li>CREAM (S) GE module</li> </ul>	CESGA	<ul style="list-style-type: none"> <li>ge-support@listas.cesga.es</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>SGE Utils</b></li> <li>QoS level: <b>Best effort</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	CREAM + SLURM	
CVMFS	<ul style="list-style-type: none"> <li>CVMFS server</li> <li>CVMFS client</li> </ul>		<ul style="list-style-type: none"> <li>cvmfs-devel@cern.ch, jblomer@cern.ch</li> </ul>	<ul style="list-style-type: none"> <li>Unit: CVMFS</li> <li>QoS level: Base</li> </ul>	<a href="http://sft.its.cern.ch/jira">http://sft.its.cern.ch/jira</a>	<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> <li><a href="http://cernvm.cern.ch/portal/cvmfs/release-2.1">http://cernvm.cern.ch/portal/cvmfs/release-2.1</a></li> </ul>	<a href="http://cernvm.cern.ch/portal/filesystem">http://cernvm.cern.ch/portal/filesystem</a>	
CERN Data Management	<ul style="list-style-type: none"> <li>DPM/LFC</li> <li>DMC (Data management Clients)</li> <li>FTS3</li> </ul>	Oliver Keeble	<ul style="list-style-type: none"> <li>oliver.keeble AT cern.ch</li> <li>hep-service-dpm@cern.ch</li> <li>hep-service-lfc@cern.ch</li> <li>fts-support@cern.ch</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>DPM Development, LFC Development, FTS Development, Data Management Clients Development</b></li> <li>QoS level: <b>Base</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	<ul style="list-style-type: none"> <li>DPM</li> <li>LFC</li> <li>DMC</li> <li>FTS3</li> </ul>	
dCache	<ul style="list-style-type: none"> <li>dCache server and clients</li> </ul>	Patrick Fuhrmann	<ul style="list-style-type: none"> <li>patrick.fuhrmann AT desy.de</li> <li>support@dcache.org</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>dCache Support</b></li> <li>QoS level: <b>Advanced</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	<a href="http://www.dcache.org/">http://www.dcache.org/</a>	
UI/WN	<ul style="list-style-type: none"> <li>UI</li> <li>WN</li> </ul>	Cristina Aiftimiei	<ul style="list-style-type: none"> <li>cristina.aiftimiei AT pd.infn.it</li> </ul>	<ul style="list-style-type: none"> <li>Unit: EMI UI, EMI WN</li> <li>QoS level: Medium</li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	<ul style="list-style-type: none"> <li>EMI-UI</li> <li>EMI WN</li> </ul>	
EMIR	<ul style="list-style-type: none"> <li>EMIR Server (DSR or GSR)</li> <li>EMIR's Service Endpoint Record Publisher (EMIR-SERP)</li> </ul>	Shiraz Memon	<ul style="list-style-type: none"> <li>a.memon AT fz-juelich.de</li> <li>emir@nif.hu</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>EMI EMIR</b></li> <li>QoS level: <b>Medium</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	EMIR Manual	
Frontier Squid	<ul style="list-style-type: none"> <li>Frontier-Squid</li> </ul>	Dave Dykstra (FNAL)	<ul style="list-style-type: none"> <li>dwd AT fnal.gov</li> </ul>	<ul style="list-style-type: none"> <li>Unit: Frontier-Squid</li> <li>QoS level: <b>Medium</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	<a href="http://frontier.cern.ch/">http://frontier.cern.ch/</a>	
gLExec-wn	<ul style="list-style-type: none"> <li>gLExec</li> <li>LCMAPS</li> <li>LCAS</li> <li>SCAS</li> <li>Argus C-PEP plugin</li> <li>(ARGUS) EES</li> <li>XACML</li> </ul>	Mischa Salle (NIKHEF)	<ul style="list-style-type: none"> <li>msalle AT nikh.ef.nl</li> <li>grid-mw-security@nikhef.nl</li> </ul>	<ul style="list-style-type: none"> <li>Unit:</li> <li>QoS level:</li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	gLExec-wn	

MetaCentrum (CESNET)	<ul style="list-style-type: none"> <li>GridSite</li> <li>L&amp;B</li> <li>ProxyRenewal</li> <li>gsoap-gss</li> <li>caNL</li> <li>rOCCI-server</li> <li>rOCCI-core</li> <li>rOCCI-api</li> <li>rOCCI-cli</li> <li>jOCCI-core</li> <li>jOCCI-api</li> <li>oneacct-export</li> <li>nagios-promoo</li> <li>cloudkeeper</li> <li>cloudkeeper-one</li> <li>keystorm</li> </ul>	Zdenk Šustr	<ul style="list-style-type: none"> <li>sustr4 AT cesnet.cz</li> <li>emi-lb@metacentrum.cz</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>gLite L&amp;B, caNL, Gridsite, Proxyrenewal, rOCCI</b></li> <li>QoS level: <b>Medium</b></li> </ul>	<ul style="list-style-type: none"> <li>L&amp;B issues</li> <li>Gridsite issues</li> <li>canl-c issues</li> <li>PX issues</li> <li>rOCCI-server issues</li> <li>rOCCI-core issues</li> <li>rOCCI-api issues</li> <li>rOCCI-cli issues</li> <li>jOCCI-core issues</li> <li>jOCCI-cli issues</li> <li>cloudkeeper issues</li> <li>cloudkeeper-one issues</li> <li>nagios-promoo issues</li> <li>oneacct-export issues</li> <li>keystorm issues</li> </ul>	<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	<ul style="list-style-type: none"> <li>GridSite-wiki</li> <li>GridSite EMI</li> <li>L&amp;B</li> <li>L&amp;B EMI</li> <li>ProxyRenewal EMI</li> <li>ONE Integration Manual</li> <li>jOCCI (TBA)</li> </ul>		
QCG	<ul style="list-style-type: none"> <li>QosCosGrid</li> </ul>	Tomasz Piontek	<ul style="list-style-type: none"> <li>piontek AT man.poznan.pl</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>QosCosGrid</b></li> <li>QoS level: <b>Advanced</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>			
VOMS-StoRM	<ul style="list-style-type: none"> <li>StoRM</li> </ul>	Andrea Ceccanti	<ul style="list-style-type: none"> <li>andrea.ceccanti AT cnaf.infn.it</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>StoRM</b></li> <li>QoS level: <b>Medium</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>			
UNICORE	<ul style="list-style-type: none"> <li>UNICORE-Client</li> <li>UNICORE-Server</li> </ul>	Bernd Schuller	<ul style="list-style-type: none"> <li>b.schuller AT fz-juelich.de</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>UNICORE-Client, UNICORE-Server</b></li> <li>QoS level: <b>Medium</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>			
REBUS	<ul style="list-style-type: none"> <li>REBUS</li> </ul>	Lawrence Field	<ul style="list-style-type: none"> <li>laurence.field AT cern.ch</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>REBUS</b></li> <li>QoS level: <b>Base</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>			
gLite Identity Security	<ul style="list-style-type: none"> <li>gLite Identity Security</li> </ul>	John White	<ul style="list-style-type: none"> <li>john.white AT cern.ch</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>gLite Identity Security</b></li> <li>QoS level: <b>Base</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>			
LSF Utils	<ul style="list-style-type: none"> <li>LSF Utils</li> </ul>	Ulrich Schwickerath	<ul style="list-style-type: none"> <li>batch-rota AT cern.ch</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>LSF Utils</b></li> <li>QoS level: <b>Base</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>			
ELOG Operations	<ul style="list-style-type: none"> <li>ELOG Operations</li> </ul>	Stefan Roiser	<ul style="list-style-type: none"> <li>stefan.roiser AT cern.ch</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>ELOG Operations</b></li> <li>QoS level: <b>Base</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>			
gLite Yaim Core	<ul style="list-style-type: none"> <li>gLite Yaim Core</li> </ul>	Cristina Aiftimiei	<ul style="list-style-type: none"> <li>cristina.aiftimiei AT pd.infn.it</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>gLite Yaim Core</b></li> <li>QoS level: <b>Base</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>			
SAGA	<ul style="list-style-type: none"> <li>SAGA</li> </ul>	Antony Wilson	<ul style="list-style-type: none"> <li>antony.wilson AT stfc.ac.uk</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>SAGA</b></li> <li>QoS level: <b>Base</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>			
Globus IGE /EGCF	<ul style="list-style-type: none"> <li>EGCF</li> </ul>	Ionel Muntean	<ul style="list-style-type: none"> <li>egcf_cb@ige-project.eu</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>EGCF</b></li> <li>QoS level: <b>Base</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>			

CSIC	<ul style="list-style-type: none"> <li>Keystone-VOMS</li> <li>ooi</li> <li>cASO</li> <li>cloud-bdii-provider</li> </ul>	Alvaro Lopez	<ul style="list-style-type: none"> <li><a href="mailto:aloga@ifca.unican.es">aloga@ifca.unican.es</a></li> </ul>	<ul style="list-style-type: none"> <li>Unit:</li> <li>QoS level:</li> </ul>	<ul style="list-style-type: none"> <li><a href="https://github.com/IFCA/keystone-voms/issues">github.com/IFCA/keystone-voms/issues</a></li> <li><a href="https://bugs.launchpad.net/ooi">bugs.launchpad.net/ooi</a></li> <li><a href="https://github.com/IFCA/caso/issues">github.com/IFCA/caso/issues</a></li> <li><a href="https://github.com/EGI-FCTF/cloud-bdii-provider/issues">github.com/EGI-FCTF/cloud-bdii-provider/issues</a></li> </ul>	<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	<ul style="list-style-type: none"> <li><a href="https://ifca.github.io/keystone-voms/">ifca.github.io/keystone-voms/</a></li> <li><a href="https://launchpad.net/ooi">launchpad.net/ooi</a></li> <li><a href="https://github.com/IFCA/caso">github.com/IFCA/caso</a></li> <li><a href="https://github.com/EGI-FCTF/cloud-bdii-provider">github.com/EGI-FCTF/cloud-bdii-provider</a></li> </ul>	
OpenDREAMKit	<ul style="list-style-type: none"> <li>JupyterHub</li> <li>BinderHub</li> <li>Jupyter</li> </ul>	Benjamin RK	<ul style="list-style-type: none"> <li><a href="mailto:benjaminr@gmail.com">benjaminr@gmail.com</a></li> </ul>	<ul style="list-style-type: none"> <li>Unit: EGI Notebooks</li> <li>QoS level: <b>base</b></li> </ul>	<ul style="list-style-type: none"> <li><a href="https://github.com/jupyterhub/jupyterhub/issues">https://github.com/jupyterhub/jupyterhub/issues</a></li> <li><a href="https://github.com/jupyterhub/binderhub/issues">https://github.com/jupyterhub/binderhub/issues</a></li> </ul>	<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>	<ul style="list-style-type: none"> <li><a href="https://github.com/jupyterhub/jupyterhub">https://github.com/jupyterhub/jupyterhub</a></li> <li><a href="https://github.com/jupyterhub/binderhub">https://github.com/jupyterhub/binderhub</a></li> </ul>	
HTCondor-CE	HTCondor-CE	Jaime Frey	<ul style="list-style-type: none"> <li><a href="mailto:jfrey@cs.wisc.edu">jfrey@cs.wisc.edu</a></li> <li>htcondor-support@cs.wisc.edu</li> </ul>	<ul style="list-style-type: none"> <li>Unit: <b>HTCondor-CE</b></li> <li>QoS level: <b>Medium</b></li> </ul>		<ul style="list-style-type: none"> <li>Schedule: <a href="https://research.cs.wisc.edu/htcondor/downloads/">https://research.cs.wisc.edu/htcondor/downloads/</a></li> <li>Notes: <a href="https://research.cs.wisc.edu/htcondor/new.html">https://research.cs.wisc.edu/htcondor/new.html</a></li> <li>Manual: <a href="http://research.cs.wisc.edu/htcondor/manual/">http://research.cs.wisc.edu/htcondor/manual/</a></li> </ul>	<a href="http://research.cs.wisc.edu/htcondor/">http://research.cs.wisc.edu/htcondor/</a>	
				<ul style="list-style-type: none"> <li>Unit:</li> <li>QoS level:</li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>		
				<ul style="list-style-type: none"> <li>Unit:</li> <li>QoS level:</li> </ul>		<ul style="list-style-type: none"> <li>Schedule:</li> <li>Notes:</li> </ul>		

Support Unit	Product Team	Leader	Contact	QoS
VOMRS		Steve Traylen	<a href="mailto:steve.traylen@cern.ch">steve.traylen AT cern.ch</a>	Medium
VOMS	VOMS-StoRM	Andrea Ceccanti	<a href="mailto:andrea.ceccanti@cnaf.infn.it">andrea.ceccanti AT cnaf.infn.it</a>	Medium
VOMS-Admin	VOMS-StoRM	Andrea Ceccanti	<a href="mailto:andrea.ceccanti@cnaf.infn.it">andrea.ceccanti AT cnaf.infn.it</a>	Medium
EMI UI	EMI Common (UI & WN)	Cristina Aiftimiei	<a href="mailto:cristina.aiftimiei@pd.infn.it">cristina.aiftimiei AT pd.infn.it</a>	Medium
EMI WN	EMI Common (UI & WN)	Cristina Aiftimiei	<a href="mailto:cristina.aiftimiei@pd.infn.it">cristina.aiftimiei AT pd.infn.it</a>	Medium
gLite Security	gLite security	John White	<a href="mailto:John.White@cern.ch">John.White AT cern.ch</a>	Medium
IDGF	IDGF	Robert Lovas	<a href="mailto:Robert.Lovas@sztki.mta.hu">Robert.Lovas AT sztki.mta.hu</a>	Medium
WMS	WMS	Alvise Dorigo	<a href="mailto:alvise.dorigo@pd.infn.it">alvise.dorigo@pd.infn.it</a>	Medium
WNoDes	WNoDeS	Elisabetta Ronchieri	<a href="mailto:elisabetta.ronchieri@cnaf.infn.it">elisabetta.ronchieri AT cnaf.infn.it</a>	Medium
Applications Database (AppDB)	AppDB	Marios Chatziangelou	<a href="mailto:appdb-support@iasa.gr">appdb-support AT iasa.gr</a>	Medium
MPI	gLite MPI	Enol Fernandez	<a href="mailto:enolfc@ifca.unican.es">enolfc AT ifca.unican.es</a>	Medium
Gstat	Gstat	Asa Hsu		Medium
DGAS		Andrea Guarise	<a href="mailto:andrea.guarise@to.infn.it">andrea.guarise AT to.infn.it</a>	Base
Perun		Slávek Licehammer	<a href="mailto:perunv3@metacentrum.cz">perunv3@metacentrum.cz</a>	Base
UI WN Tarball SU		Matthew Doidge	<a href="mailto:m.doidge@lancaster.ac.uk">m.doidge AT lancaster.ac.uk</a>	Base
ARC	NORDUGRID-ARC	Balazs Konya / Oxana Smirnova	<a href="mailto:oxana.smirnova@hep.lu.se">oxana.smirnova AT hep.lu.se</a>	Base