



# **IGE Release Schedule**

**Version: 7**  
**Date: 30/03/2012**



# 1 Software Release Schedule

This document reflects the IGE contributions to version 1.2.0 of the [UMD Roadmap](#) dated 15/09/2011, according to the [UMD Release Schedule \[1\]](#). The UMD capabilities and standards are referenced from the [EGI Standards Roadmap \[2\]](#) and [EGI UMD Roadmap \[3\]](#) documents.

## 31 Mar 2011 IGE v1.0 (Unmodified GT5.0.3)

### Fixed bugs

### Open bugs

Urgent 1 #65402\*, [https://gus.fzk.de/ws/ticket\\_info.php?ticket=65402](https://gus.fzk.de/ws/ticket_info.php?ticket=65402) [solution offered]

\* tickets forwarded to other projects, awaiting fixes

### Closed vulnerabilities 0

### New features

Short Name	UMD Capability	Short Description	EGI Standards Roadmap (24/11/2010) Standards Support
*GridFTP	Storage.FileTransfer	Data transfer service that inherently supports GridFTP protocol	GridFTP
*Default security	Security.Authentication	GSI, X509, proxy certs, HTTPG delegation	X509 + RFC3820
*MyProxy	Security.CredentialManagement	Secure proxy storage and retrieval	X509 + RFC3820
*RLS	Data.MetadataCatalogue	Replica Location Service	



\* - to be delivered to EGI for inclusion in the UMD



## 1 Aug 2011 IGE v1.1 (based on GT5.0.4)

### Fixed bugs

Urgent 3 #65369, [https://ggus.eu/ws/ticket\\_info.php?ticket=65369](https://ggus.eu/ws/ticket_info.php?ticket=65369) (solved by NGI\_DE)  
 #65402, [https://ggus.eu/ws/ticket\\_info.php?ticket=65402](https://ggus.eu/ws/ticket_info.php?ticket=65402)  
 #68454, [https://ggus.eu/ws/ticket\\_info.php?ticket=68454](https://ggus.eu/ws/ticket_info.php?ticket=68454)

### Open bugs

Urgent 1 #72601\*, [https://ggus.eu/ws/ticket\\_info.php?ticket=72601](https://ggus.eu/ws/ticket_info.php?ticket=72601) [solution offered]  
 \* tickets forwarded to other projects, awaiting fixes

### Closed vulnerabilities

### New features (in addition to v1.0 above)

Short Name	UMD Capability	Short Description	EGI Standards Roadmap (24/11/2010) Standards Support
^VOMS		Integration of generic VOMS with GT5 & latest openssl	
^LCAS/LCMAPS		The LCAS/LCMAPS credential/account mapping mechanism	
GridSAM	Compute.JobExecution	OGSA-BES/JSDL provided by GridSAM front-end	OGSA-BES v1.0, JSDL v1.0, HPC BP v1.0, HPC File Staging Profile v1.0
GridWay	Compute.JobScheduling	CREAM and OGSA-BES drivers for GT5 GridWay	OGSA-BES v1.0, JSDL v1.0

\* - to be delivered to EGI for inclusion in the UMD

^ - included as upgrades to EMI



## 23 Oct 2011 IGE v1.2 (based on GT5.0.4)

### Fixed bugs

Urgent 1 #72601, [https://ggus.eu/tech/ticket\\_show.php?ticket=72601](https://ggus.eu/tech/ticket_show.php?ticket=72601)

### Open bugs

Urgent 1 #73358, [https://ggus.eu/tech/ticket\\_show.php?ticket=73358](https://ggus.eu/tech/ticket_show.php?ticket=73358) [solution offered]

### Closed vulnerabilities

### New features (in addition to v1.1 above)

Short Name	UMD Capability	Short Description	EGI Standards Roadmap (24/11/2010) Standards Support
AdHoc-VOMS		GUI front-end to VOMS for VO management; implement user authentication to AdHoc based on certificates (plain SSL), implement basic VOMS API calls, and GUI will be integrated with VOMS and LCMAPS services to provide easy access rights management to Globus resources	
*GSISSH	Compute.InteractiveJobManagement	GSISSH offers command shell access to compute resources using GSI	X509 + RFC3820
GSI-SSHTerm	Compute.InteractiveJobManagement	A desktop application that provides easy access to compute resources using GSISSH	X509 + RFC3820
*GridWay (update)	Compute.JobScheduling	CREAM and OGSA-BES drivers for GT5 GridWay	OGSA-BES v1.0, JSDL v1.0
*GridSAM (update)		Enhancements to JSDL Resource use within Globus	OGSA-BES v1.0, JSDL v1.0, HPC BP v1.0, HPC File Staging Profile v1.0

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## 31 Dec 2011 IGE v2.0 (based on GT5.2.0)

### Fixed bugs

Urgent 1 #76261, [https://ggus.eu/tech/ticket\\_show.php?ticket=76261](https://ggus.eu/tech/ticket_show.php?ticket=76261)

### Open bugs

Urgent 2 #77148, [https://ggus.eu/tech/ticket\\_show.php?ticket=77148](https://ggus.eu/tech/ticket_show.php?ticket=77148)  
#73358, [https://ggus.eu/tech/ticket\\_show.php?ticket=73358](https://ggus.eu/tech/ticket_show.php?ticket=73358) [solution offered]

### Closed vulnerabilities

All features (this list establishes a fresh, complete baseline at IGE v2.0 for this release and future releases)

Short Name	UMD Capability	Short Description	EGI Standards Roadmap (17/10/2011) Standards Support
*GRAM5	Compute.ParallelJobExecution Compute.JobExecution	Job manager that inherently supports MPI standard	MPI
*GridFTP (update)	Storage.FileTransfer	Data transfer service that inherently supports GridFTP protocol	GridFTP
*GSISSH (update)	Compute.InteractiveJobManagement	GSISSH offers command shell access to compute resources using GSI	X509 + RFC3820
*Default security	Security.Authentication	GSI, X509, proxy certs, HTTPG delegation	X509 + RFC3820
*MyProxy (update)	Security.CredentialManagement	Secure proxy storage and retrieval	X509 + RFC3820
*RLS (update)	Data.MetadataCatalogue	Replica Location Service	
*GridWay (update)	Compute.JobScheduling	CREAM and OGSA-BES drivers for GT5 GridWay	OGSA-BES v1.0, JSDL v1.0
*GridSAM (update)	Compute.JobExecution	Further support for JSDL Resources tailored for Globus	OGSA-BES v1.0, JSDL v1.0, HPC BP v1.0, HPC File Staging Profile v1.0
GSI-SSHTerm (update)		Initial RPM distribution	



AdHoc-VOMS		GUI front-end to VOMS for VO management; implement user authentication to AdHoc based on certificates (plain SSL), implement basic VOMS API calls, and GUI will be integrated with VOMS and LCMAPS services to provide easy access rights management to Globus resources	
^LCAS/LCMAPS (update)	Security.Authorization	Integration of VOMS and the LCAS/LCMAPS credential/account mapping mechanism with GT5.2	X509 + RFC3820
*SAGA	Client.ClientAPI	Packaging of SAGA core and SAGA Globus adapters	SAGA Core API Specification, SAGA API Extension: Service Discovery API, SAGA API Extension: Advert API, SAGA API Extension: Message API, SAGA Information Service Navigator API Extension (final draft), SAGA C++ Language Bindings (draft), SAGA Python Language Bindings (draft)

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## 31 March 2012 IGE v2.1 (based on GT5.2.0)

### Fixed bugs

Top priority 2 #79251, [https://ggus.eu/tech/ticket\\_show.php?ticket=79251](https://ggus.eu/tech/ticket_show.php?ticket=79251)  
 #79541, [https://ggus.eu/tech/ticket\\_show.php?ticket=79541](https://ggus.eu/tech/ticket_show.php?ticket=79541)  
 Urgent 3 #73358, [https://ggus.eu/tech/ticket\\_show.php?ticket=73358](https://ggus.eu/tech/ticket_show.php?ticket=73358)  
 #77148, [https://ggus.eu/tech/ticket\\_show.php?ticket=77148](https://ggus.eu/tech/ticket_show.php?ticket=77148)  
 #79835, [https://ggus.eu/tech/ticket\\_show.php?ticket=79835](https://ggus.eu/tech/ticket_show.php?ticket=79835)

### Open bugs

Top priority 1 #80143, [https://ggus.eu/tech/ticket\\_show.php?ticket=80143](https://ggus.eu/tech/ticket_show.php?ticket=80143)  
 Urgent 1 #79022, [https://ggus.eu/tech/ticket\\_show.php?ticket=79022](https://ggus.eu/tech/ticket_show.php?ticket=79022) [on hold]

### Closed vulnerabilities

**New features (in addition to those components in IGE v2.0 above, and any components not included in IGE v2.0 that were ported to GT5.2.0 in Development Cycle 3)**

Short Name	UMD Capability	Short Description	EGI Standards Roadmap (17/10/2011) Standards Support
*Grid-SAFE	Operations.Accounting	Software framework designed to support accounting, reporting and usage monitoring, and resource management	UR v1.0
*OGSA-DAI REST	Data.Access	Middleware for distributed data access and integration	
*^LCAS/LCMAPS (update)	Security.Authorization	Support for SAML2XACML2 profiles and associated standards via Argus and/or GUMS integration	SAML2XACML2
*GridWay (update)	Compute.JobScheduling	Support for BES/JSDL supplied via GridSAM, and official release of CREAM and BES drivers for GridWay.	OGSA-BES v1.0, JSDL v1.0, HPC BP v1.0, JSDL HPC Profile Application Extension v1.0, DRMAA v1.0
GSI-SSHTerm (update)		Functionality enhancements and upgrade of jGlobus to version 2.0	
*Enhanced Security	Security.Authentication	IGTF wishlist	RFC6277, RFC5280





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## 30 September 2012 IGE v3.0 (based on GT5.2.x)

Fixed bugs

Open bugs

Closed vulnerabilities

**New features (in addition to those components in IGE v2.1 above. These details are subject to updates and changes as plans progress. EGI to be kept updated on these changes)**

Short Name	UMD Capability	Short Description	EGI Standards Roadmap (17/10/2011) Standards Support
*Grid-SAFE (update)	Operations.Accounting	Update that includes full integration with central EGI accounting infrastructure	UR v1.0
*GRAM-BES	Compute.JobExecution	Lightweight replacement for GridSAM as BES/JSDL front-end to Globus	OGSA-BES v1.0, JSDL v1.0, HPC BP v1.0
*OGSA-DAI REST (update)	Data.Access	Development of additional REST clients and updates to client toolkit. An early version of secure access to RESTful OGSA-DAI	
*^LCAS/LCMAPS (update)	Security.Authorization	LCMAPS support for interfacing with accounting records	
*GridWay (update)	Compute.JobScheduling	Support for DRMAA version 2	DRMAA 2.0
GSI-SSHTerm (update)		Improved UI for MyProxy tool and upgrade of jGlobus to official version 2.0	
jGlobus		Extensions, enhancements and bug fixes according to RT requirements; also overall security audit for all jGlobus components	



AdHoc-VOMS (update)		Bug fixing and further optimization of the functionality and code.	
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\* - to be delivered to EGI for inclusion in the UMD



## 2 Services Release Schedule

### Planned:

### Achieved:

09 Mar 2011 IGE EU Globus Requirements Tracker (RT) Service  
28 Jun 2011 IGE EU Globus Statistics Collector (GSC) Service (Operations.Monitoring)



### 3 References

- [1] <https://documents.egi.eu/public/ShowDocument?docid=526>
- [2] <https://documents.egi.eu/public/ShowDocument?docid=206> (24/11/2010) and <https://documents.egi.eu/public/ShowDocument?docid=721&version=11> (17/10/2011)
- [3] <https://documents.egi.eu/public/ShowDocument?docid=272>