**EGI-InSPIRE**

**Usage and future support for the deployed software**

**Survey results**

#  Survey analysis

## introduction

### Motivations for the survey

Several EC-funded projects that are sourcing code currently deployed in the EGI production infrastructure, will terminate in 2013. Among these are EMI (ARC, dCache, gLite, UNICORE) and IGE (Globus).

EGI needs to define the list of **software products whose maintenance and supported is considered to be high priority** in order to ensure service continuation to the end-users.
The information collected through this survey is of great importance, and will be used by EGI to define a software support plan.

Please make sure that your input to the survey is accurate and correctly reflects the position of your community.

Purpose of this survey is to:

* Define the list of products that are considered to be high priority
* Assess current usage of these high priority products:
* which communities are using what
* current workload (where available)
* Assess which operations and/or user communities will directly contribute to software development and maintenance after 2013 (last question of the survey)

This survey is targeted to virtual research communities and resource infrastructure providers (EIROs and NGIs), who are responsible of collecting information from their users and resource centres respectively.You can find a preview of the questions in the survey at:

[https://wiki.egi.eu/w/images/0/0a/Survey-usage-support-middleware.pdf](https://wiki.egi.eu/w/images/0/0a/Survey-usage-support-middleware.pdf%22%20%5Ct%20%22_blank)

**Note:** In this document, a component defined “*not supported*” means that -considering the survey answers- no NGIs nor VOs have plans to maintain the component.

### Participation and answers overview

33 NGIs answered to the survey, namely:

Asia Pacific, CERN, CRO NGI (NGI\_HR), CyGRID, NGI\_FI, France, Ibergrid(pt), Latvian NGI, NGI\_AEGIS, NGI\_BY, NGI\_CH, NGI\_CZ, NGI\_FRANCE, NGI\_HU, NGI\_HU, NGI\_IBERGRID(es), NGI\_IE, NGI\_IL, NGI\_IT, NGI\_MARGI, NGI\_MD, NGI\_ME, NGI\_NDGF, NGI\_NL, NGI\_SK, NGI\_TR, NGI\_UA, NGI\_ZA, NGI\_DE, NGI\_PL, NGI\_SE, UK

We received 6 answers from the VOs: **Earth Science VRC**, iMarine project, **Life Science VRC**, **WeNMR VRC**, SuperB, ZEUS VO. In the following tables the three VRCs will be considered: Earth/Life science, WeNMR; as they represent a bigger user base.

## Summary table for all the components

The following table contains the results for all the components included in the survey, and the VOs or NGIs who consider these components as high priority in their infrastructure.

Colour codes for the first column:

* Green background: one or more NGI or community committed to support the service after 2013
* Component written in red: high priority components for the majority of the NGIs or VOs (or both)

|  |  |  |
| --- | --- | --- |
| **Component** | **Vos in the survey considering the component high priority** | **MGIs considering the component high priority** |
| ARC CE | 0 | 8 |
| CREAM | 3 | 26 |
| EMI worker node | 3 | 25 |
| gLExec | 0 | 15 |
| gLite MPI | 1 | 16 |
| WMS | 3 | 25 |
|  (L&B) | 3 | 22 |
|  Torque Server and WN config | 2 | 21 |
| CREAM GE module | 0 | 5 |
| CREAM LSF module | 1 | 4 |
| UNICORE TSI | 0 | 4 |
| UNICORE WS, UNICORE/X | 0 | 4 |
| Globus GRAM | 0 | 7 |
| Globus RLS | 0 | 0 |
| LFC mysql,LFC oracle | 3 | 21 |
| ARC gridftp server | 0 | 4 |
| dCache | 1 | 13 |
|  DPM | 3 | 27 |
|  GridFTP | 2 | 18 |
|  StoRM | 2 | 8 |
| UNICORE TSI | 0 | 3 |
| UNICORE/X, UNICORE WS | 0 | 3 |
|  ARC InfoSys | 0 | 7 |
| BDII top/site | 3 | 32 |
| UNICORE Registry | 0 | 3 |
| ARGUS | 1 | 6 |
| ARGUS EES | 1 | 1 |
| gLite-Proxyrenewal | 3 | 23 |
| VOMS | 3 | 27 |
| UNICORE Gateway | 0 | 3 |
| UNICORE UVOS | 0 | 3 |
| UNICORE XUUDB | 0 | 2 |
| APEL parser | 3 | 20 |
| APEL publisher | 3 | 22 |
| DGAS sensor | 1 | 3 |
| SGAS | 0 | 2 |
| ARC Clients | 0 | 7 |
|  EMI User Interface | 3 | 24 |
| GFAL/lcg\_util | 3 | 16 |
|  UNICORE Client | 0 | 3 |
| UNICORE HILA | 0 | 1 |
| Globus GSISSH | 1 | 11 |
| AMGA | 0 | 4 |
| CEMon | 0 | 1 |
| FTS | 0 | 10 |

## Middleware supported after 2013

The following table contains the middleware components that will be supported by one or more NGIs after 2013.

|  |  |  |
| --- | --- | --- |
| **Component** | **NGIs or Vos communities plans to support this component** | **Comments** |
| APEL | NGI\_UK |   |
| ARC CE | Nordugrid, NGI\_UA, NDGF(T1) | Nordugrid, commitment expressed in the MoU signed by 11 participants. NGI\_UA, best effort |
| ARC Clients | Nordugrid, NGI\_UA, NDGF(T1) | Nordugrid, commitment expressed in the MoU signed by 11 participants. NGI\_UA, best effort |
| ARC gridftp | Nordugrid, NGI\_UA, NDGF(T1) | Nordugrid, commitment expressed in the MoU signed by 11 participants. NGI\_UA, best effort |
| ARC infosys | Nordugrid, NGI\_UA, NDGF(T1) | Nordugrid, commitment expressed in the MoU signed by 11 participants. NGI\_UA, best effort |
| ARGUS | NGI\_IT | Basic maintenance |
| ARGUS EES |   |   |
| CREAM | NGI\_IT | Basic maintenance |
| *CREAM-GE* | *IBERGRID* | *Best effort* |
| dCache | NGI\_NDGF(T1) |   |
| DGAS | NGI\_IT | Basic maintenance |
| gLite-MPI | NGI\_IE,  |   |
| gLite-px | NGI\_CZ |   |
| L&B | NGI\_CZ |   |
| SGAS | NGI\_NDGF(T1) |   |
| StoRM | NGI\_IT | Basic maintenance |
| Stratuslab Marketplace | NGI\_IE,  |   |
| VOMS | NGI\_IT |   |
| WMS | NGI\_IT | Basic maintenance |
| wNoDeS | NGI\_IT | Basic maintenance |

## Middleware considered high priority by VRCs

The following table groups the components considered high priorities by at least one of the three VRCs who answered to the survey. Components on a green background will be supported after 2013 by at least one NGI/Community.

|  |  |
| --- | --- |
| **Component** | **Vos in the survey considering the component high priority** |
| CREAM | 3 |
| EMI worker node | 3 |
| WMS | 3 |
|  (L&B) | 3 |
| LFC mysql,LFC oracle | 3 |
|  DPM | 3 |
| BDII top/site | 3 |
| gLite-Proxyrenewal | 3 |
| VOMS | 3 |
| APEL parser | 3 |
| APEL publisher | 3 |
|  EMI User Interface | 3 |
| GFAL/lcg\_util | 3 |
|  Torque Server and WN config | 2 |
|  GridFTP | 2 |
|  StoRM | 2 |
| gLite MPI | 1 |
| CREAM LSF module | 1 |
| dCache | 1 |
| ARGUS | 1 |
| ARGUS EES | 1 |
| DGAS sensor | 1 |

## Middleware components Considered high priority by NGIs

The following table groups the components considered high priorities by at least 10 NGIs who answered to the survey. Components on a green background will be supported after 2013 by at least one NGI/Community.

|  |  |
| --- | --- |
| **Component** | **MGIs considering the component high priority** |
| BDII top/site | 32 |
|  DPM | 27 |
| VOMS | 27 |
| CREAM | 26 |
| EMI worker node | 25 |
| WMS | 25 |
|  EMI User Interface | 24 |
| gLite-Proxyrenewal | 23 |
|  (L&B) | 22 |
| APEL publisher | 22 |
|  Torque Server and WN config | 21 |
| LFC mysql,LFC oracle | 21 |
| APEL parser | 20 |
|  GridFTP | 18 |
| gLite MPI | 16 |
| GFAL/lcg\_util | 16 |
| gLExec | 15 |
| dCache | 13 |
| Globus GSISSH | 11 |
| FTS | 10 |
| ARC CE | 8 |
|  StoRM | 8 |

## NGIs and communities committed to contribute effort in software maintenance after 2013

The following table summarize the commitment to support deployed software, as expressed in the survey by the NGIs and VRCs.

|  |  |  |
| --- | --- | --- |
| **Community** | **Products** | **Comments** |
| Life Science VRC | VO Dashboard, application software |   |
| nordugrid.org | ARC Products | Nordugrid contribution to ARC products is included in the MoU signed by 11 members. |
| NGI\_FI | SOMA2 (workflow for molecular modeling) |   |
| Ibergrid | CREAM GE  | Best effort |
| NDGF | ARC, dCache | Funding level not clear at the moment |
| NGI\_CZ | LB, glite-MyProxy, glite-px |   |
| NGI\_IE | gLite-MPI, StratusLab Marketplace, Quattor toolkit |   |
| NGI\_IT | cream, voms, storm, wnodes, dgas clients, wms, argus, gLibrary  |   |
| NGI\_UA | ARC components | Best effort basis |
| NGI-DE | Not NGI commitment | NGI-DE partners involved in software development projects will continue the maintenance of their software, at least on a best effort basis. |
| *NGI\_PL* | *UNICORE, QosCosGrid* | *UNICORE will be supported if future projects will include this stack in their plans* |
| UK | APEL |   |