e-GRANT – EGI Resource Allocation Tool

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Task leader deputy
## Tool name

**e-GRANT**

## Tool Category and description

**EGI-Engage: TASK JRA1.5 Resource Allocation**

*e-GRANT* supporting Resource Allocation Process by allowing researchers to request an amount of compute and storage resources, for a given amount of time.

## Tool url


## Email

Egrant.support@mailman.egi.eu

## GGUS Support unit

*e-GRANT RA Tool*

## GOC DB entry


## Requirements tracking _ EGI tracker

[https://rt.egi.eu/rt/Dashboards/5540/e-Grant-Requirements](https://rt.egi.eu/rt/Dashboards/5540/e-Grant-Requirements)

## Issue tracking - Developers tracker

n/a

## Release schedule


## Release notes


## Roadmap

[https://wiki.egi.eu/wiki/TASK_JRA1.5_Resource_Allocation_%E2%80%93_e-GRANT](https://wiki.egi.eu/wiki/TASK_JRA1.5_Resource_Allocation_%E2%80%93_e-GRANT)

## Related OLA

TBD

## Test instance url

[https://149.166.9.43/delaneg/auth/login](https://149.166.9.43/delaneg/auth/login)

## Documentation

RA Process Main Page

## License

Apache2.0

## Provider

ACC Cyfrofat AGH

## Source code

TBD
e-GRANT Change, Release and Deployment Procedures

Change, Release and Deployment

This sections are providing detailed agreement in terms of requirements gathering, release and deployment of Operations Portal which extend Instructions for Operations Tools teams

1. All requirements are gathered in EGI RT instance.
2. Prioritization and testing is done by dedicated e-GRANT OTAG coordinated by EGI Operations team.
3. EGI RT statuses of requests are as follow:
   - New
   - Accepted - accepted by OTAG
   - Rejected - rejected by OTAG
   - Open - (in progress) development team is work on the request
   - Resolved - released
4. Forge priority of requests are as follow:
   - None - 0
   - Low - 1
   - Normal - 2
   - High - 3
   - Immediate (i.e. emergency) - 4
5. Standard changes (routine actions, no need for approval)
   - Changes related to database information update
   - Bug fixing - restoring service to expected functionality
6. Emergency changes (implemented without approval but subject of post-review)
   - Security incidents
7. Releases

https://wiki.egi.eu/wiki/E-GRANT
Access to e-GRANT

https://wiki.egi.eu/wiki/E-GRANT
## E-GRANT Roadmap

### Involved Partner
- CVFRONET

### Roadmap

<table>
<thead>
<tr>
<th>Task number (5.X)</th>
<th>Task name</th>
<th>Start date (MM/YY)</th>
<th>Release Date (MM/YY)</th>
<th>Status (Planned/Done)</th>
<th>Dependencies from other tasks (insert only task number)</th>
<th>Issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1</td>
<td>Defining extensions and interface with other tools and processes</td>
<td>04/15</td>
<td>12/15</td>
<td>Open</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.2</td>
<td>Continual implementation of improvement needed for resources allocation process</td>
<td>04/15</td>
<td>08/17</td>
<td>Open</td>
<td>5.1</td>
<td></td>
</tr>
<tr>
<td>5.3</td>
<td>Alignment with EGI SLA framework for existing process</td>
<td>04/15</td>
<td>06/15</td>
<td>Open</td>
<td>5.1</td>
<td></td>
</tr>
<tr>
<td>5.4</td>
<td>Implementing support for tracing site configuration for allocated SLA</td>
<td>07/15</td>
<td>06/16</td>
<td>Open</td>
<td>5.1, 5.2</td>
<td></td>
</tr>
<tr>
<td>5.5</td>
<td>Integration with market-place</td>
<td>10/16</td>
<td>03/17</td>
<td>Open</td>
<td>5.1</td>
<td></td>
</tr>
<tr>
<td>5.6</td>
<td>Integration with EGI monitoring framework</td>
<td>01/16</td>
<td>12/16</td>
<td>Open</td>
<td>5.1</td>
<td></td>
</tr>
<tr>
<td>5.7</td>
<td>Extending support for pay-for-use process</td>
<td>01/16</td>
<td>12/16</td>
<td>Open</td>
<td>5.1</td>
<td></td>
</tr>
<tr>
<td>5.8</td>
<td>Extension needed for including new types of EGI services</td>
<td>10/16</td>
<td>07/17</td>
<td>Open</td>
<td>5.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final release of e-GRANT</td>
<td>08/17</td>
<td>08/17</td>
<td>Open</td>
<td>5.2-5.7</td>
<td></td>
</tr>
</tbody>
</table>

E-GRANT Requirements

1. SLA Document in e-GRANT (#8448)

2. Hypothetical price (#8241)

3. Redesigning Cloud Compute Allocation implementation for both free and non-free allocations (#8499)

https://docs.google.com/document/d/13AqkHPl8UXSYIYOWFOzAc3Xh8gBtOoYhzn2stNwDxLY/edit#

4. Pay-per-use process in production (#8498)
   - Improving the prototype build
   - Enable negotiations on prices
   - At least one of the PFU billing functions implemented (integration with EGI AP)
   - Reporting
5. Integration with the Market-place (#8497)
   – Self-allocation: matching pools enabled for Customers (existing Broker functionality)
   – Support for special types of allocation for “special offers or actions” like LTOS (seed-resources), demonstrators, call-for-applications, hacathons etc.

6. SLA reporting (#8496)

7. Monitoring of resources delivery and QoS according to an SLA (#8495)
   – Integration with accounting viewes (SLA-specific views)
   – Availability information
   – Create an interface between e-Grant and ARGO (#8486)
E-GRANT Requirements

8. Help info in e-GRANT (#8492)

9. VO manager added in RA Process (#8491)

10. Ensure that sites available in e-GRANT are those in production and certified in GOC DB (#8489)

11. Publications included in RA Process (#8487 and #8488)
   - consultations with EGI Policy Team

[Under dev.]
Thank you for your attention.

Questions?