

## EGI-Engage - Operation Tools

### Task JRA1.4

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- Lead: CNRS, M1 – M30
- Estimated task effort: 56PM
- Leader : Cyril L'Orphelin - Deputy : Christos Kanellopoulos
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- Involved Partners :
  - CNRS
  - CESNET
  - GRNET
  - STFC
  - SRCE

- Improve and adapt technology
- Satisfy new requirements from service providers and users
- Implement a modular architecture to manage AAI
- Extends the current possibility to access information :
  - extends REST API interfaces.
  - display publicly all the non-confidential information
  - make the information available to serve any research infrastructure
  - define interfaces to exchange information with analogue tools belonging to other e-Infrastructures or RIs
- Evolve and improve the support for cloud resources

- **Operations Portal**

The Operations Portal provides information to various actors along with related facilities, such as the VO administration tool and the VO management module, the different dashboards (Operations dashboard, security dashboard, VO Operations dashboard) and different communication tools: broadcast tool and downtime system announcement.

The activity in EGI-Engage will be focused on the integration of the Vo Administration and operations PORTal (VAPOR) and the extension of the different tools with cloud resources information.

- **GOCDDB**

GOCDDB is an information system for recording and managing e-Infrastructure topology data. In EGI-Engage the work will be mainly : extension of the authentication (AAI) and of the rules/roles, enhancement of the audit logging, extension of the data model, GUI improvement.

- **Monitoring**

The ARGO platform is the continuation and evolution of the SAM framework. The development of ARGO in EGI-Engage will focus in three main branches: modularise the Core Monitoring Engine, monitoring availability & reliability as a Cloud Service and provide clean interfaces for end-users, operations and developers.

- **Messaging**

The Messaging Service is a critical core service provided through a Network of Message Brokers resilient to isolated failures. The Messaging Service will be evolved providing a Restful HTTP API as a layer on top of the existing Message Broker Network .

- **Security Monitoring**

Security monitoring tools developed in the scope of EGI focused mainly on traditional grid sites and operations, which is not enough nowadays. Current technologies, namely federated clouds, bring new security challenges that must be addressed by new approaches. In this task we will identify the new areas and provide solutions for proper monitoring of them.

Code	Title	Delivery PM	Delivery CM
M3.1	Operational tools development roadmap agreed	M04	06.2015
D3.4	First release of the Operational tool	M12	02.2016
M3.3	Operational tools development roadmap revised	M16	06.2016
D3.11	Second release of the Operational tools	M24	02.2017
D3.18	Final release of the Operational tools	M30	08.2017

- 3 releases : M12, M24 and M30
- Only one revision of the roadmap M16
- No suitable for the tools to base the efforts only on these dates

## 2 different releases process

- Internal process of release determined in each team : frequency , content
  - Internal reviews
  - If possible “agile” process
  - Internal Releases : visible but not in production
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- External releases : M12, M24 and M30
  - Available one month in advance in order to be tested by EGI
  - Following the lightweight process of tests and validation already in place
  - Visible in production

## About Roadmap and releases :

- How we can speed up the deployments to production?
- Do we really need to release all software as RPMs?
- How can we ensure the emerging needs of users with only one revision of the roadmap ?

## For Competence Centers :

- As potential users how can ensure that we provide tools fitting your needs ?
- Have you a good overview of what kind of services / tools we are providing ?
- How can we improve communication / organisation to take your needs into account ?