

TCB FEDERATED VIRTUALISATION TASK FORCE MANDATE

EGI is a federation of national and domain specific resource infrastructure providers comprised of individual resource centres. Many of these resource centres have been experimenting with the deployment of virtualised management environments to improve the local delivery of services. Many of EGI's current and new user communities would like to access the flexibility provided by virtualisation across the infrastructure on demand in a 'cloud like' environment. Federating these individual virtualised resources is a major priority for EGI that has started with the EGI User Virtualisation Workshop (<http://go.egi.eu/uvw1>), and the drafting of the EGI Cloud Integration Profile (<http://go.egi.eu/435>).

OBJECTIVES

- Develop a 'blueprint' for EGI resource centres that wish to securely federate and share their virtualised environments as part of the production infrastructure
- Define and prototype in conjunction with the relevant parties integrations with EGI's existing production infrastructure for solutions for monitoring, accounting and advertising through the information services virtualised resources
- Investigate and catalogue requirements for future new community facing services for infrastructure deployment
- Provide feedback to relevant technology providers (both within and external to the TCB) on their implementations and any changes needed for deployment into the production infrastructure
- Identify and work with user communities willing to be early adopters of the resulting virtualised infrastructure to help prioritise its development
- Identify issues that need to be addressed by other areas of EGI (e.g. policy, operations, support & dissemination)

DURATION

18 months

EXPECTED OUTPUTS

- A blueprint document with advice and, where available full documentation, to resource centres and users on how to engage with the federated virtualised environment. This will be a living document on the EGI Wiki
- Exemplar methodology description for a sample community to deploy services to create their production infrastructure
- Identification of resources centres and user communities willing to commit actively to this task force. An initial list to be provided by month 2 and reviewed every 3 months.
- Regular reports to the TCB on progress including the identification of issues that need to be considered elsewhere within EGI.
- Periodic "success stories" through dissemination channels

MEMBERS

- Chair

- EGI.eu Technology Manager
- EGI.eu Operations Office
- EGI.eu Chief Community Officer
- Actively participating resource centres (An active resource centre is one contributing virtualised resources into the pool being used for this task force – i.e. providing access to the VM Management interface)
- Actively participating user communities (An active user community is one using the pooled virtualised resources and providing feedback to this task force)
- Actively participating technology providers (An active technology provider is one whose technology is being used at a resource centre in this task force and wishes close involvement)