

## Proposed activities to be discussed in the RC forum

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As a follow up of the first phone meeting we hold on Nov. 22 and taking into account the suggestions that were put forward by the various RCs, we have identified several activities that we believe are worth proposing to the RC forum. This first list is just a starting point, with no claim of being systematic.

We suggest that for those topic that raise sufficient interest, working groups could be setup with two RCs volunteering to coordinate the work and the edition of the corresponding report.

In fact we are proposing 5 Working Groups for topics that are rather general and a Task Force for a last one which is more specific.

### **WG1. Commercial software**

Commercial software here refers to software that requires a usage fee in either form: one-time purchase, annual fees, per-user fee, per-invocation fee etc.

- ⤴ what commercial sw is being used in our centers or in the national environment the Center belongs to ?
- ⤴ what specific setup have the RCs configured to make the commercial software available to users ?
- ⤴ what are the current limitations ?
- ⤴ is there experience or interest in promoting possible negotiations with vendors at European level ?

The group should initially produce a document reporting the results of the survey and, depending on the result obtained, it should then propose and carry out a plan for further activities.

### **WG2. VOs support**

VO here refers chiefly to EGI-registered VOs, but may as well refer to other user groups, virtual and real research communities. A VO may or may not require deployment of generic or proprietary services inside each site's security perimeter.

Authorization:

- ⤴ collect information about supported VOs;
- ⤴ understand why some VOs are authorized and others not;
- ⤴ propose actions to coordinate authorization policies and if (and how) to continue the monitoring effort;
- ⤴ identify authorization technologies, compare experience
- ⤴ the proposed actions.

Services:

- ⤴ create an inventory of all known generic middleware services installed upon request of VOs
- ⤴ create an inventory of proprietary VO services;
- ⤴ compare experience with VO services support;

- ⤴ identify which VO specific services may necessitate a coordinated deployment or other optimizations.

The group should produce a document reporting the results of the survey, and promote coordinated actions.

### **WG3. HTC Service Management**

- ⤴ Identify whether RCs have service catalogs defined;
- ⤴ identify whether RCs have SLAs signed with some user communities;
- ⤴ identify whether RCs have billing mechanisms in place for some of the services;
- ⤴ identify best practices.

The group should produce a report with the survey results and propose future actions.

### **WG4. Cloud-like services**

- ⤴ Exchange information among the RCs interested in offering virtualized resources ;
- ⤴ identify used resource virtualization technologies;
- ⤴ compare relevant policies;
- ⤴ create the basis or a collaboration aimed at:
  - developing, testing, adopting and maintaining common virtualization solutions;
  - offering additional cloud-like common interfaces to scientific users across Europe;
  - investigating possibilities of evolving the current Grid infrastructure into a European open "cloud" federated infrastructure.

### **WG5. GPUs**

Several Resource Centres are providing local access to GPUs. Grid usage of GPUs still faces some barriers: (A) GPU support in the batch system is limited and (B) publication of GPU information in the information system in order to make GPUs discoverable still needs to be defined.

See also the minutes of the workshop on usage of the information system available at:

<https://www.egi.eu/indico/conferenceDisplay.py?confId=654>

Objectives of this WG are:

- ⤴ To assess the use cases for GPU access through the Grid;
- ⤴ to share experience on batch system settings for a correct scheduling of jobs
- ⤴ to define a GLUE 2.0 profile for the publishing of GPU information into the information system.

Besides the above transversal Working Groups, specific Task Forces (TF) could be created to discuss and exchange information about a specific topic if a number of RC forum members are interested on it. An initial example could be a medical imaging TF.

### **TF1. Services for management of medical images**

Set up a group for investigating which centers are providing services or have a plan to provide services in the area of archival and processing of medical images:

- ⤴ which tools and systems are being used and/or are planned to be used;
- ⤴ what security, privacy and ethical consideration are taken into account and how;

✦ is it opportune to setup collaborations among those centers that are interested to develop or deploy applications in this area?

The group should be formed by the people that are in charge of development and operation of this class of applications in the various centers.

Depending on the result of the survey, the group could promote and manage the cooperation on common developments and implementations.