egee

FAQs from New Applications

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www.eu-egee.org

Information Society

Enabling Grids for E-sciencE

- ## NA2/NA3: Outreach and Training
  - See previous presentation.

- ## NA4: Applications
  - Administrative Support
  - "Consultation" for porting applications.
  - Evaluation of, testing of, and requirements for middleware.

- ## SA1: Operations
  - Installation and configuration of resources.
  - Monitoring of resources.
  - Resolution of operational problems.
  - User support.

- **User Information Group (UIG)**
  - Includes all activities.
  - Finding relevant documentation with EGEE is extremely difficult.
  - Group aims to organize the available information to make finding it more efficient.

- **Operations Advisory Group (OAG)**
  - Includes NA4 and SA1.
  - Procedural issues related to use of grid.
  - VO-level access to resources.
  - Negotiation for resources (MoUs).

- **EGEE:**
  - Prepare presentation for EGAAP.
  - Prepare MoU after EGAAP approval.
  - Porting of application.
  - Deployment of VO services.
  - Production use of the infrastructure.

- **EGEE-II:**
  - Contact NA4 to arrange minimal VO services.
  - "Local" app.: use geographically-close resources
  - Participate in NA4 User Forums.
  - Prepare MoU to become "supported" application.
  - "Supported" app.: funded effort and large-scale resource use.

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- **How do I use the EGEE middleware?**
  - LCG Users' Guide:

    http://lcg.web.cern.ch/LCG/users/support.html

  - EGEE tutorials:

    http://www.egee.nesc.ac.uk/schedreg/index.html

- **How do I find documentation for the software?**
  - Training material:

    http://www.egee.nesc.ac.uk/trgmat/index.html

  - LCG:

    http://grid-deployment.web.cern.ch/grid-deployment/cgi-
        bin/index.cgi?var=eis/docs

  - Glite

    http://glite.web.cern.ch/glite/documentation/

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- **How do I create a new Virtual Organization (VO)?**
  - Check to see if your experiment/group is already covered by an existing VO.
  - Contact NA4 and OAG coordinators.

- **Minimal resources required:**
  - VO membership server (VOMS).
  - >1 resource centers which accept the VO.
  - Access to resource broker.
  - Access to file catalog.

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- **How do I incorporate my resources into the grid?**
  - The steps for creating a site in the EGEE infrastructure are documented at the links below.

    http://public.eu-egee.org/join/

    http://lcg.web.cern.ch/LCG/Sites/site-start.html

  - Process is handled by the Regional Operation Centres (ROCs).

    http://cic.in2p3.fr/index.php?id=home&subid=newuser

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- **How do I negotiate for more resources?**
  - The OAG helps negotiate for having more resources made available for a VO.
  - The process involves answering a questionnaire and going through an interview to understand in detail the needs of the applications.
  - The results are circulated to the ROCs and sites volunteer to support the application.
  - Normally part of the MoU process.

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- **How do I port my application to the grid?**
  - GILDA team

    http://egee-na4.ct.infn.it/genapps/

    https://gilda.ct.infn.it/

  - Biomed Task Force

    http://egee-na4.ct.infn.it/biomed/index.php

  - ARDA

    http://lcg.web.cern.ch/LCG/activities/arda/arda.html

  - EIS

    http://grid-deployment.web.cern.ch/grid-deployment/cgi-bin/index.cgi?var=eis/homepage

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- **How do I make my application available via a portal?**
  - Talk with GENIUS developers.

    GENIUS Portal: https://genius.ct.infn.it/
  - Also some portals deployed in biomedical community.

- **How do I incorporate a new service in the grid?**
  - The architecture of the middleware is service-oriented. In general there is no problem to contact VO-specific services from jobs on the grid.
  - If the new service must interact with existing services, it is best to contact the middleware developers (JRA1) about how to achieve this.
  - VO-services at the site-level are very contentious and not advised.

- **How do the developers know about my requirements?**
  - Review the existing requirements in the requirements database: https://savannah.cern.ch/support/?group=egeeptf
  - Ask the NA4 coordinators for write-access to the database to add new requirements.

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- **Who do I contact if my jobs fail?**
  - GGUS system is the main user support framework.

    https://gus.fzk.de/pages/home.php

  - Contact via email as well:

    MyVO-user-support@ggus.org (MyVO=atlas, biomed, ...)

    helpdesk@ggus.org

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- **Where can I see the resource consumption of my VO?**
  - The APEL accounting system keeps track of resource utilisation on the grid.
  - Summaries of the usage can be found on the accounting site:
    - http://goc.grid-support.ac.uk/gridsite/accounting/index.html

- **Where can I see the state of the grid?**
  - The Grid Operations Centre (GOC) maintains a map with the overall state of the grid and links to various monitoring pages.
  - http://goc.grid-support.ac.uk/gridsite/monitoring/
  - http://goc03.grid-support.ac.uk/googlemaps/lcg.html

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- **Where can I see the resources available to my VO?**
  - The CIC portal contains various views grid status and grid information.
  - https://cic.in2p3.fr/index.php?id=endusers