

EGEE 3rd parties Advanced Induction Course, Athens 20-21/01/05

EGEE Induction Course

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Objectives of this session



- Presentation of a sample course (EGEE induction)
- Course aims
- Prerequisites for participants
- Course content
- Training material

Sample course overview



- EGEE induction course
 - 2 –day course (16-18 hours)
 - Roughly 13-14 actual course hours, the rest is breaks
 - Roughly 60% theory, 40% practical hands-on exercises
 - Hands-on sessions in the afternoon of each day
- This is the basic course for beginners provided by EGEE throughout Europe
- 8 of these courses will be delivered in Greece
 - 2 in Q2 2005
 - 6 in Q4 2005 Q1 2006
- 25 participants expected maximum 40
 - more than that will make exercises difficult

Course Objectives



- 1. Understanding of general Grid and e-Science concepts.
- 2. Orientation to the EGEE infrastructure and middleware.
- 3. Understanding of the goals, context and structure of the EGEE project.
- 4. Awareness of current project procedures and tools.
- 5. Experience from use of an EGEE testbed GILDA, via the GENIUS portal.
- 6. Command-line exercises

Prerequisites for participants



- Some general knowledge about Grids
- A laptop with:
 - Ethernet 10/100 port
 - Optional WiFi
 - Windows or Linux
 - Mozilla 1.6 or IE 5.5 (with Java support)
 - SSH client
 - Optional Cortona VRML for Windows, or OpenVRML for Linux
- For the command line exercises:
 - Basic UNIX command-line skills

Course outline



Day 1:

- Morning (D1M): Introductions to Grid computing, EGEE Grid middleware (gLite), GILDA and the GENIUS portal; job submission using GENIUS
- Afternoon (D1A): Getting to know EGEE and the GILDA testbed; data management using GENIUS

Day 2:

- Morning (D2M): The EGEE project and its procedures
- Afternoon (D2A): Continuing to use GILDA; command-line exercises; looking to the future

Course content – Morning Day 1



No.	Description	Duration
D1M.1	Introduction to the course	15'
D1M.2	What is the Grid. Introduction to the e-science concept	45'
D1M.3	Overview of EGEE infrastructure and middleware	45'
D1M.4	Overview of HellasGrid infrastructure and objectives	30'
D1M.5	The grid portal: GENIUS	30'
D1M.6	Job submission through GENIUS	45'
	Total	3h30'

Course content – Afternoon Day 1



No.	Description	Duration
D1A.1	Data management through GENIUS	30'
D1A.2	Other GENIUS features	30'
D1A.3	Certification procedures	30'
D1A.4	Practicals on data management using GENIUS	1h00'
D1A.5	Discussion – 1 st day results	30'
	Total	3h00'

Let's try it !!!



https://genius.ct.infn.it/

Course content – Morning Day 2



No.	Description	Duration
D2M.1	Introduction to the EGEE project	30'
D2M.2	EGEE infrastructure – HellasGrid infrastructure	45'
D2M.3	EGEE middleware (current state and roadmap)	45'
D2M.4	EGEE applications – procedures for new user applications	45'
D2M.5	EGEE dissemination and training	15'
D2M.6	Discussion – open Q&A	30'
	Total	3h30'

Course content – Afternoon Day 2



No.	Description	Duration
D2A.1	Proxy certificates	15'
D2A.2	Command line exercises	2h15'
D2A.3	Discussion – course closing	30'
	Total	3h00'

Training material



- Initially available through
 - The NA3 website: http://egee.nesc.ac.uk/
- The GILDA website: https://gilda.ct.infn.it/
 - Video tutorials
- Will be collected and selected by GRNET (March '05)
 - Finally available at http://www.egee-see.org
- To be updated continually

Other relevant issues



- Administrative help from GRNET
 - Any questions are welcome, help with logistics, etc.
 - Contact: apochr@grnet.gr, egee-pr@admin.grnet.gr
- Where to find participants
 - Create and maintain your own contact lists
 - Advertise in local universities
 - Post-graduate students in relevant fields
- Hosting sites
 - Requirements already described
 - University rooms that can be reserved for free
- Coffee breaks
 - Contact GRNET for possible support. We will do our best.
- Printed material
 - Contact GRNET for possible support. We will do our best.
- Consider small fees to cover the above
 - Up to 30 Euros per person

Other relevant issues – cont'd



- Average estimate of 2,5 Mmonths for each course
- Support to the participants
 - Before the course
 - After the course
- Patience and persistence required
 - Varying degree of familiarity with Grids
 - Murphy's law If something can go wrong, it will, exactly when it should not.
- During the courses, SA1 will be ready to assist if needed
- GRNET can also provide one (or more) presenter(s) to help with some sections

EGEE 3 rd conference



- Athens 18-22 April 2005, Ledra Marriott
- There will be trainers' training sessions before, during and after the event.
- Strongly suggested
 - Excellent opportunity to get more familiar with EGEE
 - Meet people especially involved in training
 - Get actual training
 - Build confidence to deliver your own courses
 - At least one person from each partner should be there
- Details for courses and conference programme should be finalised until the end of March

Discussion



- Q & A
- Action points