



EU DataGrid project Tutorial



The European DataGrid Project Team

<http://www.eu-datagrid.org>



Introduction

- The tutorials are aimed at users wishing to "gridify" their applications using EDG software and are organized over 2 full consecutive days as follows:
 - Mornings - presentations on general grid concepts, user interface commands, grid components, future directions.
 - Afternoons - hands-on exercises covering user interface operation with job submission, aspects of data management and job monitoring
- ◆ Pre-requisites for participants:
 - No prior knowledge is required for the presentations.
 - Basic knowledge of Linux user environment (shells, editor, etc.) is necessary to complete the exercises.
- ◆ Participants must be pre-registered for the afternoon hands-on sessions since security certificates need to be issued to use the EDG testbed.



DAY1

- Location: building 160 room 1-009
- Tutorial introduction
- Introduction to Grid computing and overview of the DataGrid project
Bob Jones, CERN
- Security
Akos Frohner, CERN

Coffee

- Testbed overview
Charles Loomis, LAL
- Job Submission
Massimo Sgaravatto, INFN

Lunch

- hands-on exercises: job submission
 - Location: building 160 room 1-009

Schedule

DAY2

- Location: building 160 room 1-009
- Data Management
Heinz Stockinger, CERN
- Information systems
Laurence Field, RAL
- LCFG, fabric mgmt & sw distribution & installation
German Cancio, CERN

Coffee

- Applications and Use cases
Frank Harris (Oxford/CERN)
- Future Directions
Erwin Laure, CERN

Lunch

- hands-on exercises: data mgmt & info systems
 - Location: building 160 room 1-009



Hands-on Exercises

- Working with your own laptop, you will connect to the EDG application testbed
 - This requires a security certificate and a user account on the User Interface machine
- You will receive an exercise book containing all the details of the exercises
 - Succession of increasingly sophisticated exercises exploring the different facilities of the EDG software
 - You work at your own pace
 - Helpers are around in case you have questions or run into problem



We want your feedback

- Your feedback is actively sought
 - Please tell us of mistakes in the presentations
 - Similarly for the exercises
- Thanks to:
 - Mario Reale, Elisabetta Ronchieri, Akos Frohner, Erwin Laure, Peter Kunszt, Antony Wilson, Steve Fisher, Maite Barroso Lopez, Owen Synge, Emanuele Leonardi, Markus Schulz, Steve Traylen, Frank Bonnassieux, Christophe Jacquet, Sophie Nicoud, David Groep, Karin Burghauser & CERN training people