



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.



Schedule

DAY1

- Location: main auditorium
- Tutorial introduction
- Introduction to Grid computing and overview of the DataGrid project
Andrew McNab, Manchester
- Testbed overview
Steve Traylen, RAL
- Coffee
- Security
Andrew McNab, Manchester
- Job Submission
Owen Maroney, Bristol

Lunch

- hands-on exercises: job submission
 - Location: Cramond

DAY2

- Location: main auditorium
- Data Management
Gavin, McCance, Glasgow
- Information systems
Steve Traylen, RAL
- LCFG, fabric mgmt & sw distribution & installation
Steve Traylen, RAL

Coffee

- Applications and Use cases
Owen Maroney, Bristol
- Future Directions
Will Bell

Lunch

- hands-on exercises: data mgmt & info systems
 - Location: Cramond



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
- Tutorial "exercise book" contains 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:
 - Bob Jones (for these slides)
 - Authors of the other tutorial slide sets
 - EDG software developers and Integration Team
 - Testbed administrators for providing the access for exercises