The EU DataGrid Project Tutorial

The European DataGrid Project Team

http://www.eu-datagrid.org
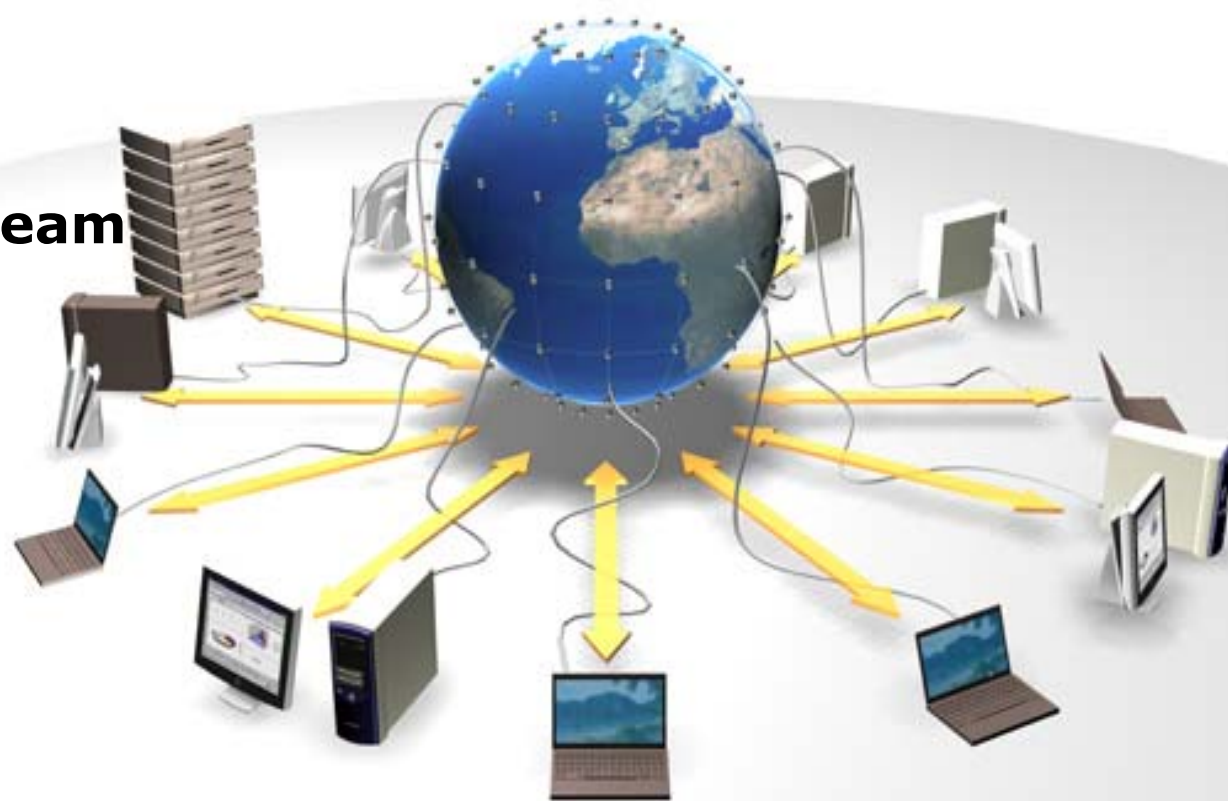
Introduction

- ➢ The tutorials are aimed at users wishing to learn how to use EDG Grid tools and are usually organized over 2 (here 1 ½) consecutive days as follows:

  - Mornings - presentations on general Grid concepts, user interface commands, grid components, future directions.

  - Afternoons - hands-on exercises covering user interface operations 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

- Tutorial introduction
  - **Heinz Stockinger**

- Introduction to Grid computing and overview of the DataGrid project
  - **Heinz Stockinger**

- Security
  - **Flavia Donno**

Coffee

- Testbed overview
  - **Heinz Stockinger**

- Job Submission
  - **Flavia Donno**

Lunch

- hands-on exercises: job submission

DAY2

- Data Management
  - **Heinz Stockinger**

- Information systems
  - **Heinz Stockinger**

- hands-on exercises: data mgmt & info systems

HellasGrid Workshop

Includes EDG talks on
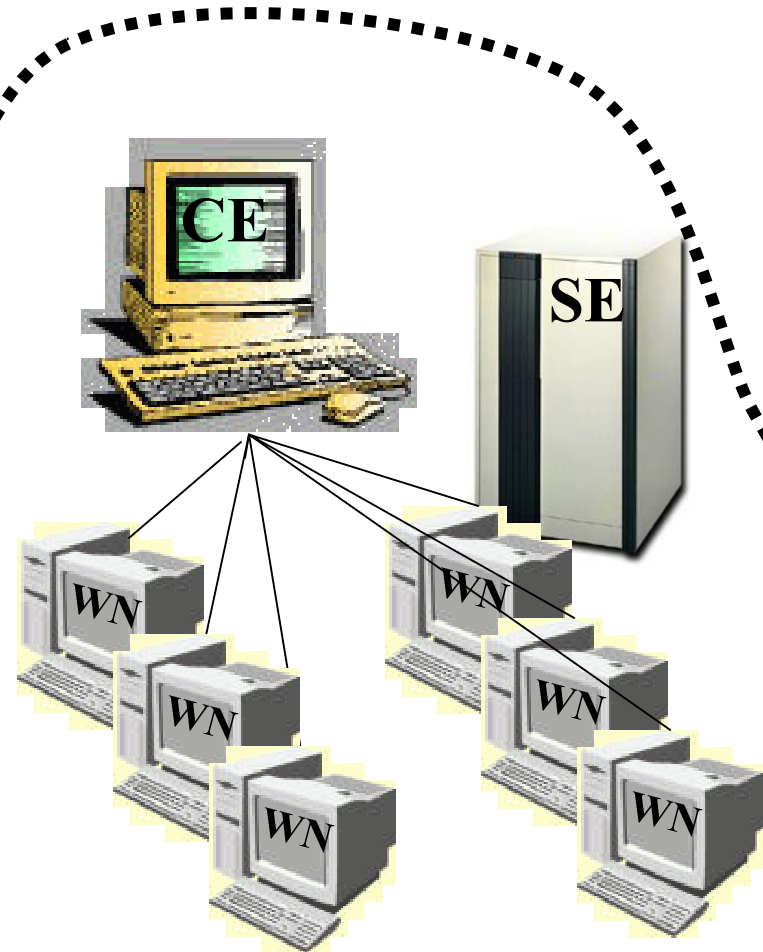- Applications on the Grid
- Future Directions

Hands-on Exercises

◆ Working on Linux machines, you will connect to the

- GriDis Testbed (running EDG-2.0)

- This requires a security certificate and a user account on the User Interface machine

- **http://cern.ch/edgtutor**   main tutorial web site

◆ You will receive an exercise handout 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

- tutors are around in case you have questions or run into problem

◆ Required tools:

- Acccess to testbed via secure shell (or equivalent)
  - E.g. teraterm for Windows
- Web browser

Students Terminals

enter Grid

enter Grid

enter Grid

enter Grid

UI

UI

CE

SE

WN

WN

WN

WN

WN

WN
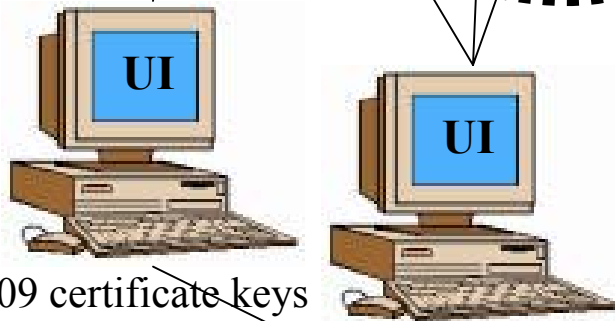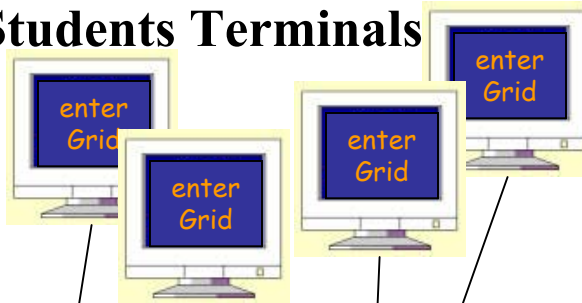
- PKI X.509 certificate keys
- JDL files

RB/II

We want your feedback

> Your feedback is actively sought

>> Please tell us of mistakes in the presentations

>> Similarly for the exercises

> Thanks to:

>> all the many people from the EDG cooperation who contributed to the development of the tutorials over the past year.