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 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 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 – EDG 1.4

- Tutorial introduction
  Heinz Stockinger
- Overview of the DataGrid project
  Erwin Laure
- Security/Testbed overview
  Erwin Laure

Coffee

- Workload Management
  Heinz Stockinger
- Data Management
  Heinz Stockinger

Lunch

- hands-on exercises: job submission; data management

DAY2 – EDG 2.0

- Information Services
  Laurence Field
- Fabric Management
  Erwin Laure
- New features in workload management
  Heinz Stockinger

Coffee

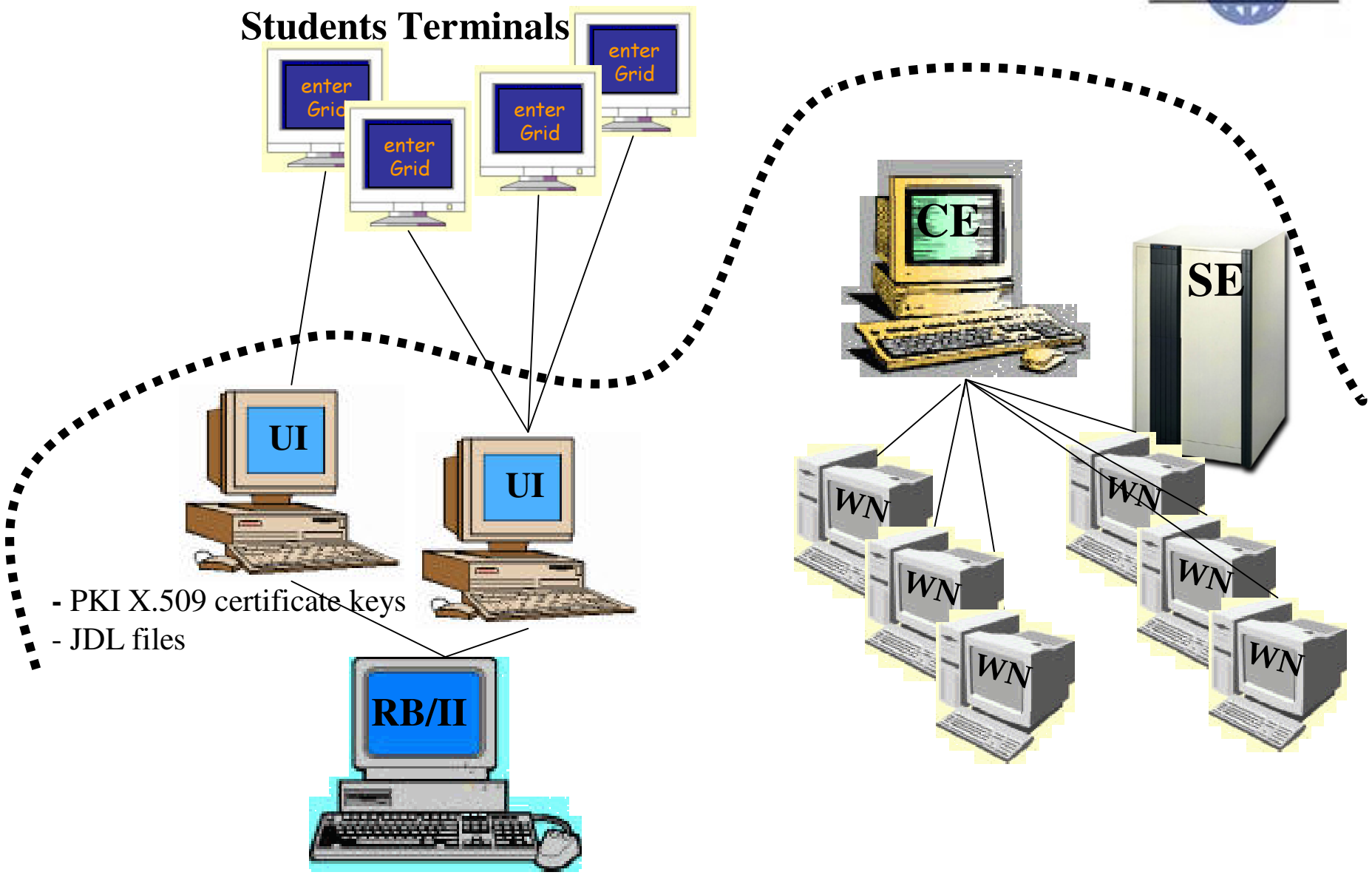
- New features data management
  Heinz Stockinger
- Applications and Use cases
  Erwin Laure
- Future Directions
  Erwin Laure

Lunch

- hands-on exercises: info systems; data management – **ON FRIDAY!!!**

Hands-on Exercises

- Working on Linux machines, you will connect to the
  - GriDis (Grid Dissemination testbed, EDG release 1.4) includes CrossGrid sites
  - EDG application testbed (EDG release 1.4)
  - Development testbeds (EDG release 2.0)
  - This requires a security certificate and a user account on the User Interface machine
- Exercise handout containing all the details of the exercises available on the web: **http://cern.ch/edgtutor**
  - 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
- PKI X.509 certificate keys
- JDL files
RB/II
CE
SE
WN
WN
WN
WN
WN
WN

We want your feedback

- Your feedback is actively sought
  - Please tell us of mistakes in the presentations
  - Similarly for the exercises
  - Please fill in feedback-form
- Thanks to:
  - all the many people from the EDG cooperation who contributed to the development of the tutorials over the past year.