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:

    - 1st day - presentations on general Grid concepts, user interface commands, grid components, future directions.

    - 2nd day - 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

1st day Morning

- Tutorial introduction

  Kurt Stockinger

- Introduction to Grid computing and overview of the DataGrid project

  Kurt Stockinger

- Security

  Roberto Puccinelli

1st day Afternoon

- Data Management

  Kurt Stockinger

- Information systems

  Roberto Puccinelli

Coffee

- Testbed overview

  Roberto Puccinelli

- Job Submission

  Massimo Sgaravatto

Coffee

- Fabric Management

  Rafael Angel Garcia Leiva

- Applications and Use cases

  Kurt Stockinger

- Future Directions

  Kurt Stockinger

2nd day Morning

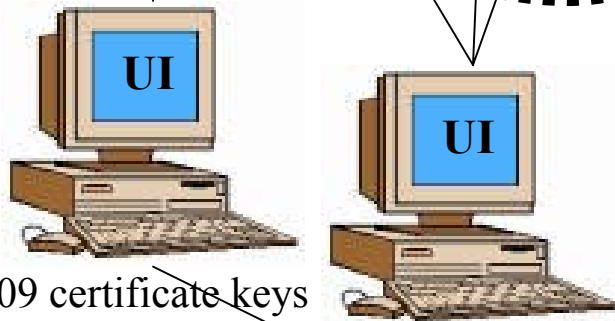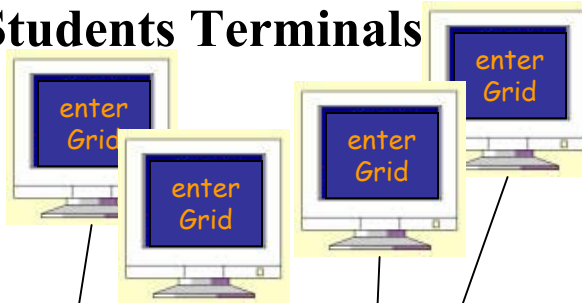- hands-on exercises: job submission

2nd day Afternoon

- hands-on exercises: data mgmt

Hands-on Exercises
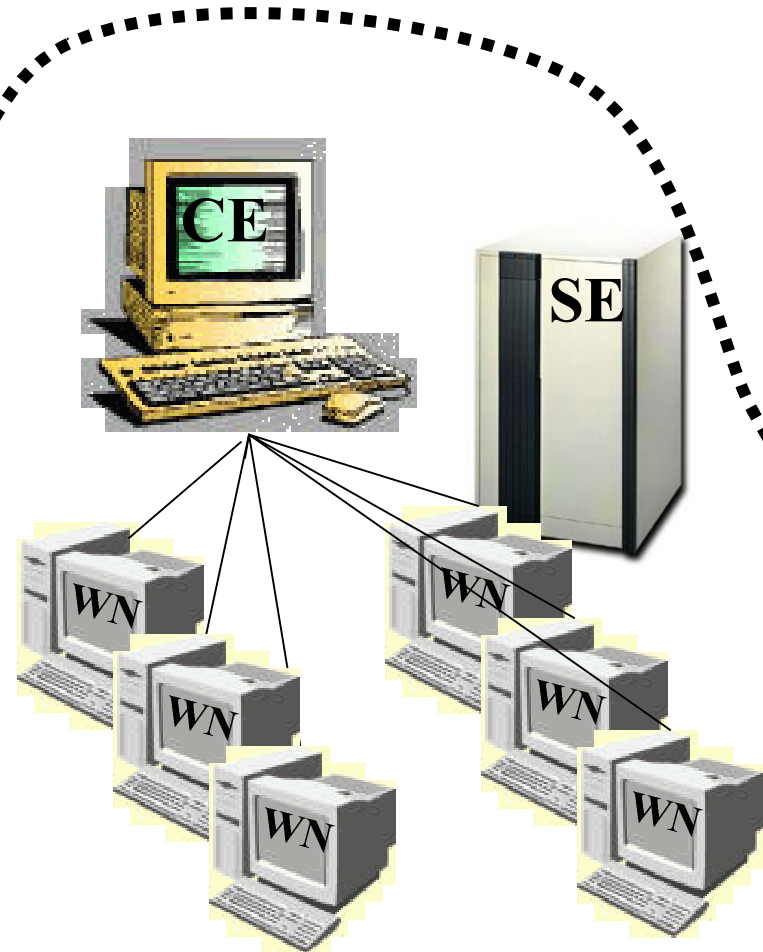
- Working on Linux machines, you will connect to the

  - **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

CE

SE

UI

UI

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.