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# National Grid Service Application Developers Course

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# Practicalities

- Emergency exits
- Other vital facilities

# Course focus

- How can I deploy and invoke my application on the NGS?
  - I am developing an application for a research community to use. What tools and services can help me to do this?
1. What can I do now?
  2. What is en route, that I should be alert to?

# Practicals

- **Those who were here yesterday:**
  - Use same certificate and machine as on previous days
- **You may prefer to work in pairs**
  - **IMPORTANT - DO THIS IF YOU ONLY KNOW WINDOWS!!**
  - One of each pair should be familiar with Linux/Unix

# Invitation

- During the course, please feel free to
  - ask for as much clarification as you need
  - contribute from your experience

# Course content

## Context and concepts

- Overview and some challenges in application development for grids
- Important foundations for middleware and tools
  - Web services, WS-RF...
- Data services: OGSA-DAI
- Developments to be aware of
  - EGEE, OMII-UK, OMII-Europe,...

## Specific skills

- More advanced techniques using Globus GRAM:
  - running MPI codes
  - APIs
- AHE: Application Hosting Environment
- P-GRADE portal and GEMLCA
- Using Condor-G

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