http://www.nesc.ac.uk/training

http://www.ngs.ac.uk

Grid Computing and the NGS: Induction

Welcome to day 2!

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http://www.pparc.ac.uk/

http://www.eu-egee.org/

The story so far

![NGS National Grid Service logo]

- e-Research
- e-Infrastructure

- Grid computing
  - Single sign-on to resources in multiple organisations

- Authorisation and authentication:
  - Certificate authorities (CA)
  - Proxy certificates
  - MyProxy
  - Globus GSI

- Middleware
  - "operating system of the grid"
  - Standards
  - Many production grids
  - New VOs need high-level services, where grids meet application domain

- "People services"
  - Operation of core services, grid monitoring
  - Help-desk
  - CA
  - Site administrators
  - Training

- NGS
  - Has basic data and computational services
  - Evolving
  - Seeking International interoperability
  - "SERVICE" – tell NGS what you need!

NGS National Grid Service

- Yesterday
  - Fundamental concepts
  - The National Grid Service
  - Use of Job submission services
- Today:
  - Data services
  - Next steps for joining the NGS
  - New technologies en route for the NGS
- But first: web services and grids