

Node Implementation

The UK e-Science Story

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Access Grid Retreat
ANL, Chicago



Engineering Task Force

- Create a UK Grid (includes collaboration, visualization, etc.)
- Working Groups:
 - Middleware
 - Information Services
 - Security
 - Firewalls
 - Grid User Management
 - Applications
 - Integration
 - Support
 - Access Grid
 - Web and Grid Services



Access Grid Working Group

- “The Access Grid Working Group will oversee the establishment of the UK Accessgrid network and provide a forum for exchange of information and experiences.”
- Chair established around November 2001 (me!)
- AG nodes at 10 ‘sites’ (Edinburgh, Glasgow, Newcastle, Belfast, Daresbury, Manchester, Cambridge, Cardiff, RAL, Oxford, London, Southampton)

Work Plan

| Milestone | Target Date |
|-----------------------------|--------------------|
| UK email list operational | 1 December 2001 |
| AG website operational | 14 December 2001 |
| UK hardware recommendations | 21 December 2001 |
| e-Science meetings over AG | 16 January 2002 |
| Nodes operational | 18 January 2002 |
| Multicast connectivity | 1 February 2002 |
| Trained node operators | 15 February 2002 |

- Used much like AG-TECH, but for UK-specific issues

- Milestones
- Test cruise programme
- Tutorial proceedings
- Recommended UK hardware
- AG usernames for secure meetings

Hardware Recommendations

- UK has different hardware issues

e-Science Meetings Over AG

- Phenomenally successful!
- E.g. ETF Management meetings – 12 nodes; ~25 people
- Many project meetings, etc.

Nodes Operational

- Achieved pretty quickly
- Tools:
 - Test cruises
 - “Support centre”
 - Mutual support

Multicast Connectivity

- JANET backbone quick
- LANs and campuses followed
- 2 sites were slow to get multicast – various router incompatibilities
- Just one to go!

Trained Node Operators

- Tutorial
- Test cruises
- Doing it

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