Management of Services in Production Grids Workshop

Session One

E-Science Grid

The UK Grid: Moving from Research to Production

Steven Newhouse

Abstract:
The UK e-Science programme has now established two key elements required to deliver a production quality e-research infrastructure within the UK: the OMII (Open Middleware Infrastructure Institute) with a remit to deliver a high-quality software infrastructure to support e-research, and the GOSC (Grid Operational Support Centre) to deploy a software environment that will deliver production quality e-research services to the UK community. The GOSC has direct responsibility for the delivery of the production quality National Grid Service (NGS) and the co-ordination of the Engineering Task Force (ETF).

This talk will describe the processes now being put in place within the UK to establish a production Grid infrastructure focused on the requirements of the applied user communities that will develop and expand as new stable middleware products becomes available.

TeraGrid

TeraGrid Architecture: A Grid for Users

Charlie Catlett

Abstract:
(not yet available)

APGrid

Grids in Asia Pacific: what has been done? and what hasn't?

Yoshio Tanaka

Abstract:
Resource sharing beyond boundaries based on Grid technology is definitely attractive for building a next generation IT infrastructure in Asia Pacific. ApGrid is a partnership for Grid computing in the Asia Pacific region. One of the most important objectives of ApGrid is building an international Grid testbed called the ApGrid Testbed. ApGrid is not a single-source funded project

and the ApGrid Testbed is based on contributions, i.e. participating organizations each provide computing resources to the ApGrid Testbed. This talk introduces an overview of the technical aspects, operational policy, and development guidelines for the ApGrid Testbed as well as lessons learned from the testbed development. The ApGrid Testbed is based on standard Grid infrastructure. Security services on the ApGrid Testbed are based on GSI and information services are provided through a hierarchical MDS tree. As of the end of May, 2004, 1674 processors over 27 cluster systems from 10 countries are available on the ApGrid Testbed. We faced some difficulties in constructing the ApGrid Testbed. The difficulties came from sociological problems rather than technical problems.

Session Two

Grid3/iVDGL

Grid3 Experiences and thoughts on Federation

Abstract:
We discuss experiences and lessons learnt from the Grid2003 project from the point of view of application metrics and lessons learned. We also discuss general issues of federating grid resources for application frameworks.

NASA Information Power Grid

Challenges of Moving IPG into Production

Cathy Schulbach

Abstract:
Over the past 5-6 years, NASA has been developing the Information Power Grid and has a persistent testbed currently based on GT2.4.2. This presentation will begin with an overview of IPG status and services, discuss key milestones in IPG development, and present early as well as expected applications. The presentation will discuss some of the issues encountered in developing a grid including the tension between providing centralized and distributed computing. These issues also affect how the grid is moved into production. Finally, the presentation will provide current plans for moving IPG into full production, including gaining broad user input, developing acceptance criteria from the production operations group, planning upgrades, and training users.

Open Mic Session

Production Grids: Are We Ready

- **Purchase Services or Build Your Own ??**
- **Experience ??**