

1st NextGRID Training Course – 7th March 2006

The first NextGRID Training course took place in March 2006 and a significant amount of training material was developed as part of this.

Details of the 1 day course are as follows:

Title: **1st NextGRID Architecture Training Course**
Date: Tuesday 7th March 2006.
Venue: NeSC, Edinburgh, UK.
Audience: NextGRID partner organisations.

Programme

- 09:00 Registration
- 09:30 **Introduction & architectures (Malcolm Atkinson, NeSC)**
Context, vision, goals, principles, main features
- 10:00 **Minimal Grid Infrastructure (Stephen Davey, NeSC)**
SOA basics: SOAP, HTTP, WS-Addressing (EPRs), WSDL
OGSA WSRF Base Profile: WS-Lifetime, WS-Notification, WS-ResourceProperties, WS-BaseFaults
Naming: requirements & relevant standards, naming experiment
Discussion
- 11:15 Coffee break
- 11:35 **Security (Mehran Ahsant, KTH)**
Security context & requirements / principles
Baseline Security: TLS, MLS
WS-Security, SAML / XACML, Certificates
Discussion
- 13:00 Lunch
- 13:45 **Service Level Agreements (Bryce Mitchell, BT)**
SLA Introduction: motivation, context, requirements & principles
WS-Agreement & WSLA, anticipated developments
NextGRID's SLA templates & usage
Discussion
- 15:10 Coffee break
- 15:30 **Data Services (Stephen Davey, NeSC)**
Introduction: Data Access, Data Transport & Data Management
- 16:15 Data Integration (**Ali Anjomshoaa, EPCC**)
- 16:30 Data & Information Discovery (**Adrian Jackson, EPCC**)
Discussion
- 16:45 **Evaluation & feedback**

The event had speakers from a wide range of NextGRID project workpackages:

- WP1 Architecture – Malcolm Atkinson, Stephen Davey.
- WP3 Business & Operations – Bryce Mitchell
- WP4 Foundations – Ali Anjomshoaa, Adrian Jackson
- WP5 Dynamics – Mehran Ahsant

Feedback after the training course was excellent and people thought that the course provided a great deal of very useful knowledge.

All of the event material is available by accessing the NextGRID website and following the links to 'Training' and 'Archived Events'. Or click on:

<http://www.nextgrid.org/training.htm>