egee

Enabling Grids for
E-science in Europe

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SA1 and NA3

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SA1 - CERN

What I am going to talk about

- Some comments
- Who's who in SA1
- What SA1 has done so far about training
- What we can do for NA3
- What we want from NA3
- Plans for gLite
- Training needs
- Demo of a training item
- Conclusions

The importance of team work

Be patient with each other

- Say what you will do, and then do it
- Say what you cannot do, if you cannot do it
- Do not make promises you cannot keep
- Do not force promises out of others which they cannot keep
- Communicate clearly
- Communicate directly (do not go via others)
- Keep things simple
- Respect one another

What is SA1?

- Large assembly or organisations across EGEE
- OMC – 1 of them (CERN)
- ROCs – 9 of them
- CICs – 4 of the 9 ROCs have additional responsibilities
- RCs – 48 named in TA, in fact about 70 today
- Other small (but important) sub organisations
- EIS – Application support
- GGUS – Trouble ticketing system
- JSG – Joint security group

Regional Operations Centres

- France

- Italy

- South West (Spain)

- South East (Greece)

- UK-Ireland (UK)

- North (Holland/ Sweden)

- Central (Poland)

- Germany-Switzerland (Germany)

- Russia
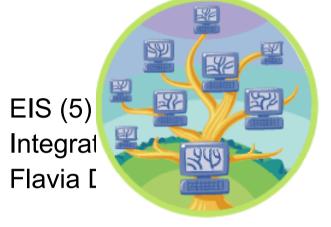
CERN: Grid Deployment Group

Ian Bird
Group Manager (30)

CT (10)
Certification
Zdenek Sekera

GIS (12)
Operations
Markus Schulz

EIS (5)
Integrat
Flavia [

Alistair Mills
Nick Thackray

- The SA1/EGEE part at CERN is small (8 people)
- This group deals with LCG-2 and EGEE-0

- There are other resources at CERN such as the PO and JRA1
- An important part of SA1 at CERN is to use the other resources at CERN.

CERN view of SA1

Ian
Activity Manager

CIC support	ROC support	OMC management
(Nick)	(Alistair)	(Ian)
CERN CIC	-	CERN OMC
4 CICs	9 ROCs	-
	48 RCs	

SA1 training involvement so far

Grid School, Oxford, July 2004

Medical VO support training, Madrid, September 2004

(More medical VO support training, CERN, next week

Training event in Lyon in November 2004

Grid KA summer school, September 2004

Training in Heidelberg, October 2004

CERN Summer School, Italy, July 2004

People attended training events in many locations

What we can do for NA3?

- Deliver training courses on site

- Identify training needs

- Provide information on new middleware

- Provide exemplars for:
  1. Installation/ configuration
  2. Administration
  3. End users

- Local languages

What we need from NA3

- Practical help with courses
- Registration facility on web
- Course ware eg evaluation forms
- Usable materials
- A training test bed configured for the event

- (Flavia has written a document about our needs in this area)

gLite

- Leanne has talked about gLite
- SA1 is currently reactive to gLite
- We are currently starting limited trials on pre-prod service
- Experience from pps will identify training requirements
- Nick is dealing with the pps
- We should plan to provide initial training at EGEE-3

Training needs

- **Well defined**
  - End user training
  - Installation/ configuration of middleware
  - Administration of grid middleware

- **Not well defined**
  - Management of grid fabric
  - Security response
  - Trouble ticketing response
  - Virtual organisation management
  - Virtual organisation application support
  - What is required to support gLite
  - Network problem response

Areas of cross activity

- Need to strengthen support for new VOs
- Identified as a priority by the directorate on Tuesday
- The SA1 areas to strengthen are:
  1. Trouble ticket handling
  2. EIS

- This affects SA1, NA1, NA3, NA4

- Support from NA3 will be mutually beneficial

Example of end user case for Grid

- Finite difference program solving laplace's equation
- Exemplar runs on a grid of 41x41
- 1521 (39x39) cases to be run, all independent
- Currently available on the Gilda test bed as a single job
- Work going on with EIS and NA3 at the moment to improve functionality
- Demo of visualisation of the results

Conclusions

- NA3 has made good progress in six months
- For the future, the requirements are going to become more difficult to deliver
- SA1 will continue to support the work of NA3
- The establishment of a T-infrastructure with appopriate support could strengthen training
- The enhancement of the support for VOs and applications should be taken to the Project Directorate/ Review in February 2005

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