

Present:

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Remote:

Doug Pearson
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Discussion on transatlantic circuits

- Rick and Roberto to continue to co-ordinate details in Washington re IP or 10GE connection
- Need to understand how we extend from McLean to Eckington from MAX or a direct circuit to Eckington. Abilene and ESNET are side-by-side there, but not yet interconnected directly. Connection exists via a C 6509
- Abilene and ESnet to interconnect in Eckington and provide transit for GEANT2
- I2 + Canarie to explore joint maintenance possibilities re Nortel equipment

E2e (lightpath) operations:

- ESNET and GN2 to pursue work on e2e operations as set out in GN2 JRA4 and support for LHC, with initial focus on supporting ENOC function of EGEE for the LHC OPN. There will be effort spent to deal with TT information with additional contribution from the Abilene NOC. Canarie will contribute work for monitoring triumph/lhc connection.
- DFN will develop visualisation tool for e2e status of lightpaths
- Effort for TT information tbd between Joe and Roberto.

Co-operation between I2-BRUW, ESNET-OSCARS, GN2-SA3

- define interfaces between domain managers, work on pathfinding, addressing, dictionary of terms, what information is exchanged, AAI implementation, scheduling.
- take part in Canarie's . workshop hosted by Canarie on UCLP in March and discuss above issues.

PERFsonar

I2 organises performance workshops in US, documentation being built, development of cookbooks

In GN2 we should pursue the "meet the nren sessions" and have dedicated sessions at the GN2 workshops each time. I2 has ~10 a year and they are very much hands-on events. In GN2 we should look at the way this is done in US. It should help with takeup of perSONAR in Europe

- one of JRA1 experts to attend an I2 performance workshop and see how they're done.
- plan jointly perSONAR workshops ?
- work on support structure for operational service , as this is crucial for migration to service. It should target such points as release management, bug reporting and fixing, installation etc...
- explore industrial briefing (juniper, cisco, Microsoft, at&t etc). for feedback and potential co-operation

Security

I2 has performed a simulation of two incidents, a DDoS during a demo and a router compromise. It was an exercise to understand the dynamics, interactions between parties and adopted reactions to the attacks. This was done using a set of national sites only. The idea is to have an international simulation.

The idea is to have networks with well-established CERTs and processes as well as networks that don't. The simulation/experimentation can be extended for lightpath troubleshooting management.

- Charles to co-ordinate an international simulation, involving networks up to scratch with security and non. Claudio will look after the GN2 contribution.
- Doug and Roberto to examine process for DoS attack treatment and interactions between the Abilene and GN2 CERTs and NOCs.