

Technical Working Group Meeting Co-located with 11th λ -workshop



“Tech WG”



Rio de Janeiro, Brazil
September 13 & 14, 2011

Cidade maravilhosa: Rio de Janeiro

11th LambdaGrid Workshop

Thank you to many, especially RNP and Michael Stanton

- Meetings:
 - End of summer (lambda workshop)
 - Winters (interim Tech)
- GLIF Tech has “Task Forces”
- GLIF Tech coordinates demos from participants

- Your co-chairs:
 - Gigi Karmous-Edwards (NCSU)
 - Lars Fischer (NORDUnet)
- Secretarial support:
 - Kevin Meynell (TERENA)
 - Peter Szegedi (TERENA)
- Mailing list:
 - < tech @ glif . is >

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This time only

Current GLIF Tech TFs and their chairs:

- Dynamic GOLE Services: Jerry Sobieksi
- GNI-API: Evangelos Chaniotakis
- Campus Networking Task Force: Ronald van der Pol
- Distributed Topology Exchange Task Force: Jeroen vd Ham
- Next Gen GOLE Architecture: Eric Bernier (not in HK)
- GOLE Governance Task Force: Bill St. Arnaud

Infrastructure that GLIF deals with:

- Lambdas shared by GLIF participants
- GOLEs (GLIF Open Lightpath Exchanges)
- And of course:
Hybrid, lightpath capable networks run by the GLIF Participants

GOLEs on the Wiki:

AMPATH - Miami
CERNLight - Geneva
CzechLight - Prague
HKOEP - Hong Kong
KRLight - Daejeon
MAN LAN - New York
MoscowLight - Moscow
NetherLight - Amsterdam
NGIX-East - Washington D.C.
NorthernLight - Stockholm
Pacific Wave (Los Angeles) - Los Angeles
Pacific Wave (Seattle) - Seattle
Pacific Wave (Sunnyvale) - Sunnyvale
SouthernLight - São Paulo
StarLight - Chicago
T-LEX - Tokyo
TaiwanLight - Taipei
UKLight - London



High level agenda Day 1

September 13, 2011

- 14:00 - 14:15 Tech WG introduction - Erik-Jan Bos (NORDUnet)
- 14:15 - 15:15 Major updates from GOLEs and other resources - chaired by Erik-Jan Bos (NORDUnet)
- 15:15 - 15:30 Introduction to demonstrations
- 15:30 - 15:45 Break
- 15:45 - 17:15 Demonstrations - Demo Room
- 17:15 - 17:30 Break
- 17:30 - 18:30 GLIF Open Lightpath Exchanges Policy Group - discussion - Bill St. Arnaud, et al. (GOV WG participants)
- 18:30 - 19:00 Wrap up

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September 13, 2011

- Timeslot: 14:15 - 15:15
- StarLight - Joe Mambretti (Northwestern University)
- Pacific Wave - Dave Reese (CENIC)
- NetherLight and LHCONE - Gerben van Malenstein (SURFnet)
- AMPATH - Julio Ibarra (FIU)
- TWAREN - Li-Chi Ku (NCHC)
- Egyptian NREN and GLORIAD - Majid M. Al Sadek (ENSTInet) [not here now]

September 13, 2011

- Timeslot: 15:45 - 17:15
- OGF-NSI 'plugfest' - OpenDRAC (SURFnet), OpenNSA (NORDUnet), OSCARS(ESnet), G-lambda (AIST), G-lambda (KDDI Labs), AutoBAHN (GÉANT project), dynamicKL (KISTI)
- Microscopic observation of high bandwidth streaming - Kunitake Kaneko, Keio University, Japan
- 100Gb offline - CPqD, Brazil
- Dynamic lightpath creation - RNP, Brazil
- HPDMnet demonstration - HPDMnet Consortium
- Visualisation portal - São Paulo University, Brazil

“GOLE Policy Group” - Bill

September 13, 2011

- Timeslot: 17:30 – 18:30
- Status for Open Lightpath Exchanges
 - Crucial building block for R&E networks
 - Firm understanding of what an Open Lightpath Exchange is needed to further increase uptake and use
- Bill proposes Task Force to
 - DO: Define what a GOLE is, and define Services and Service Levels at a GOLE → BCP
 - DON'T: Govern the GOLEs. GOLEs are autonomous, in the same way Internet Exchanges are

Co-located with the Internet2/ESnet
Joint Techs in Baton Rouge, LA, USA

Dates: In the week of January 23, 2012,
To be confirmed



High level agenda Day 2

September 14, 2011

- 09:00 - 09:30 GLIF Tech WG task forces - administrative issues - Gigi Karmous-Edwards (NCSU)
- 09:30 - 10:00 Campus Networking Task Force update
- 10:00 - 10:30 Distributed Topology Exchange Task Force update - Jeroen van der Ham (UvA)
- 10:30 - 11:00 Break
- 11:00 - 11:30 Dynamic GOLE Services Task Force update - Jerry Sobieski (NORDUnet)
- 11:30 - 12:00 Deployment of NSI 1.0 in the network - Inder Monga (ESnet)
- 12:00 - 12:15 Potential new technical task forces - discussion - Erik-Jan Bos, Jerry Sobieski (NORDUnet)
- 12:15 - 12:30 Tech WG closing summary - Gigi Karmous-Edwards (NCSU)

