

Winter GLIF Tech 2012 Wrap-Up



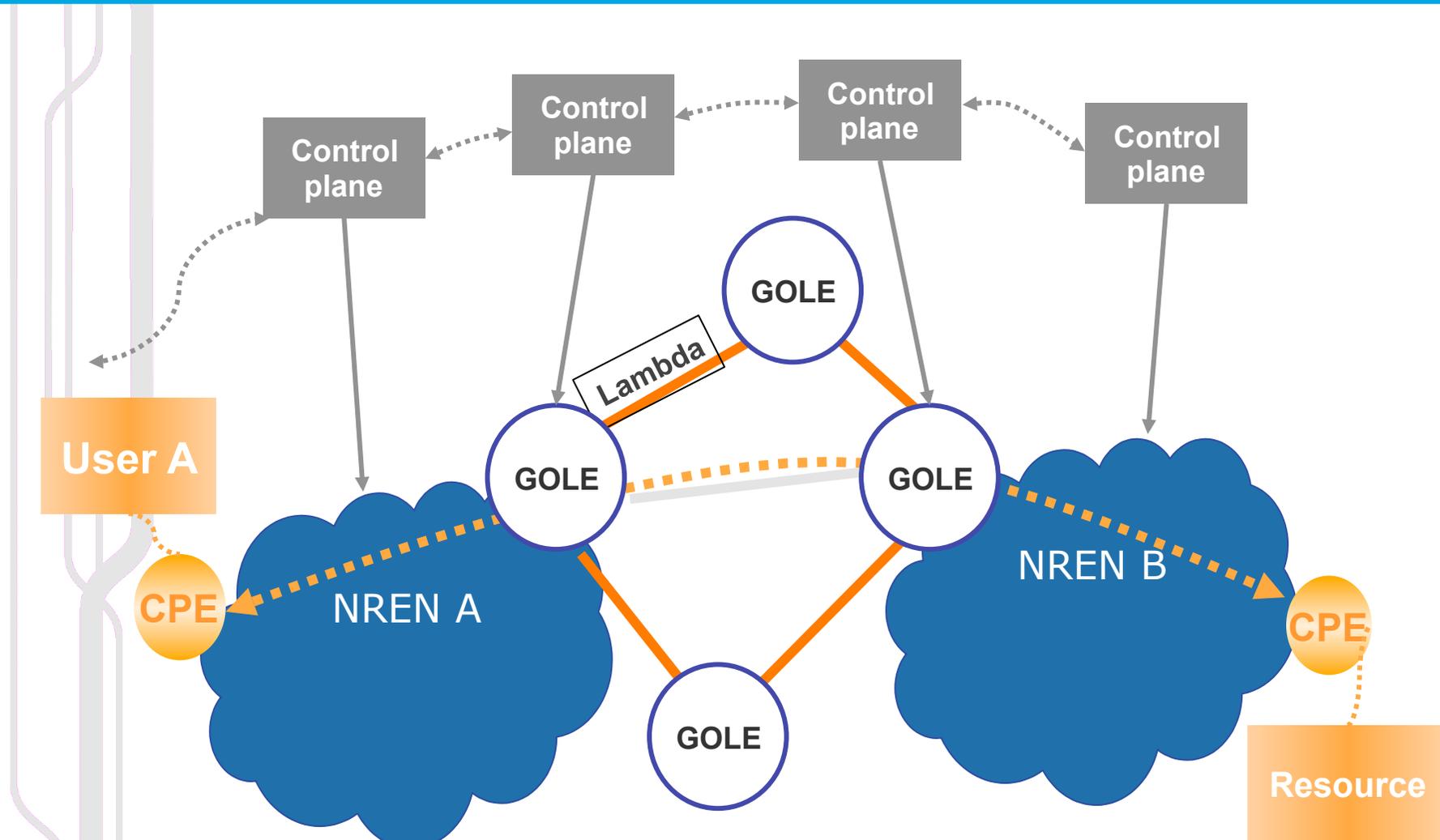
Baton Rouge, 25-26 January 2012

Day 1

Time	Subject
13.30 - 13.45	Welcome, agenda overview - Lars Fischer (NORDUnet)
13.45 - 13.50	Tech WG administration, announcements - Lars Fischer (NORDUnet)
13.50 - 14.20	Update on Open Exchanges Paper - Erik-Jan Bos (NORDUnet)
14.20 - 14.50	Link policy problem statement - Lars Fischer (NORDUnet)
14.50 - 15.00	Organising "Lightpath Services Workshop for Campuses" - Peter Szegedi (TERENA)
15.00 - 15.30	Coffee Break
15.30 - 16.00	Experiences in deploying the high-end visualization application in the transatlantic GLIF environment - Marek Blazewicz (PSNC)
16.00 - 16.20	GLORIAD and GulfLight (JJ Jamison, Juniper)
16.20 - 16.50	LHC Open Network Environment (LHCONE) - Artur Barczyk (USLHCNet)
16.50 - 17.00	Wrap up



GOLE-centric networking



Day 1

- The case for open lightpath exchanges
 - How we understand the concepts, usage, policy, etc
 - Set up and populate document repository
- GULF Light
 - NREN critical mass
 - New options for spanning the globe with light
- Important user stories
 - LHCONE
 - Global high-def video demonstration
- Bringing E2E services to the campus
 - Solving the last-mile problem



Day 2

Time	Subject
07.30 - 08.30	Breakfast - Lower Concourse Area
08.30 - 09.20	Dynamic GOLE Services Task Force update - Jerry Sobieski (NORDUnet)
09.20 - 10.00	Distributed Topology Exchange Task Force update - Jeroen van der Ham (UvA)
10.00 - 10.30	Coffee Break
10.30 - 11.15	NSI Implementation Task Force kick-off - Inder Monga (ESnet), John Macauley (SURFnet)
11.15 - 12.00	GLIF Performance Verification Architectures Task Force charter - Jerry Sobieski (NORDUnet), Steve Wolff (Internet2)
12.00 - 13.30	Lunch - Lower Concourse Area
13.30 - 14.00	Defining GLIF Architecture Task Force kick-off - Bill St.Arnoud, Erik-Jan Bos (NORDUnet), Inder Monga (ESnet)
14.00 - 14.50	Open discussion
14.50 - 15.00	Closing, actions, next meeting - Lars Fischer (NORDUnet)



GLIF Tech taskforces

- Distributed Topology Exchange
 - Co-chairs: Jeroen van der Ham, Inder Monga
- Dynamic GOLE Services
 - Chair: Jerry Sobieski
- Performance Verification Architectures
 - Co-chairs: Steve Wolf, Jerry Sobieski
- Defining GLIF Architecture
 - Co-chairs: Bill St. Arnaud, Inder Monga, Erik-Jan Bos
- NSI Implementation
 - Chair: Inder Monga



Task force reports

- AutoGOLE
 - Demonstrations success story 2011
 - Expanding the AutoGOLE facility: becoming a vehicle for trying things out – but remain an experimental facility
 - Service description, transport switching technologies, network virtualization
- DTOX
 - Topology exchange survey: willingness to exchange, willingness to offer provisioning for authorized users, standard essential
 - Important role for GLIF in overcoming barriers to topology exchange
 - Requirements for topology tools – evolving the tools
 - GLIF a good forum for discussing path-finding
 - Workplan, w/short-term, mid-term, long-term goals
 - Topology exchange demo in Chicago



Task force reports

- NSI Implementation
 - New group – charter ready for posting on GLIF list
 - Objective: production deployment of NSI
 - Collecting experience from implementations
 - Extending NSI implementations to fill in the gaps to move towards production
 - Collecting requirements
 - List of objectives & priorities to be agreed and a timeline established for Chicago.
- Performance Verification Architectures
 - Architecture for automated performance verification
 - Greenfield effort - architecture, not development
 - Create inventory of existing tools and methods
 - White paper, recommendations by 2013 Winter GLIF
 - Key words: topology mapping (abstract – physical), resource management, policy management, measurement sharing framework



Task force reports

- GLIF Architecture
 - End-2-end architecture – assets and how to use them effectively
 - Recap of GLIF history – GLIF as a sliding window, focusing on the experimental, bleeding edge of R&E circuit networking
 - Integrating multiple technologies into an E2E service architecture – including the campus
 - Transition from prototype to productions
 - How to reach out to campus and end users? User stories? Use cases?
 - Include multipoint-to-multipoint for in the GLIF model?
 - Terms of reference + 1st version Architecture white paper for Chicago



Farewell

- Thanks to Internet2, ESnet, Joint Techs for hosting Winter GLIF
- Thanks to all of you for being active contributors
- See you next time
 - 12th Global Lambda Grid Workshop
 - Chicago, 11-12 October 2012
 - Full GLIF meeting, incl. TECH WG sessions
 - In conjunction with 8th IEEE International eScience Conference and OGF36

