GLIF TECH
Demonstrations Taskforce?

Atlanta, 19-20 March 2014

What GLIF TECH does

- Information exchange
  - Facilitate discussion
  - Reflection space for developments in the community
- Focused, collaborative efforts on specific technologies
  - Bringing people working on similar ideas together
  - Inform project happening elsewhere
  - Proving ground for new tools
- Demonstrations
  - Technologies
  - Applications

Demos at Chicago 2012

- CA01: New Techniques for Uncompressed 4K Video Transmission
- CZ01: Use of High-Speed Networking in Film Restoration Process
- CZ02: Remote Collaboration Over 8K Visualization Using UltraGrid and SAGE
- NE01: Collaborative Analysis of Climate Models using Remote Scientific Visualization
- NE02: Multipathing with MPTCP and OpenFlow
- NO01: Plugfest: NSI v2.0 First Look + GLIF Automated GOLE Pilot Project
- PO01: High-Resolution Advanced Visualization over Long-Distance Optical Networks
- US01: NexCAVE to CAVE2
- US02: The Open Science Data Cloud
- US03: Highly Efficient LHC Data Transfer over WAN among 40Gbps Disk Servers using FDT
- US04: Slice Around the World
- US05: 100Gbps High-End Computer Networking for Petascale Science
- US06: InstaGENI Distributed Dynamically Programmable Environment
- US07: International OpenFlow Experimental Network Testbed
- US08: High Performance Digital Media Network

The RAP Group

- GLIF Research and Applications Working Group
  - Parallel group to GLIF TECH

- …to train a new generation of scientists on the use of super-networks…:
  - User applications: generate more users and develop a taxonomy to define classifications of LambdaGrid applications.
  - Infrastructure: interconnect GLIF sites with HD videoconferencing, tiled displays etc..
  - Research: advocate funding agency roadmaps and research programmes, and industry hardware/ software development

- Has traditionally been the source of most demonstrations

What Would We Like To See?

- Technology Demonstrations?
- Technology Trials?
  - NSI Plugfest
- Use Cases?
  - Applications on top of NSI infrastructure
- Challenges?
  - Application that lead to new requirements
- Other?

How?

- How do we identify good demos?
- Demos at all GLIF TECH meeting, or only for annual Lambda Grid Workshop?
- Who can organize a demo schedule?
  - Requires time and planning

- A GLIF TECH Demo taskforce?

Thank You

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