- Introduction – Aaron Helsinger
- Background & Proposal – Tom Lehman
- Invited Discussion – Rob Ricci
- Invited Discussion – Ilia Baldine
- Invited Discussion – Rob Sherwood
- Discussion – All
- Summary & Wrap Up – Aaron Helsinger

GENI Network Stitching: Summary and Wrap Up

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March 16, 2011
www.geni.net

The Proposal – Tom Lehman

- Support interconnecting networks from multiple aggregates

- Basic architecture laid out

- Strawman API & schema for discussion

- Agreement from OpenFlow, ProtoGENI, Orca, and GENI Ops

The Proposal for Agreement

- Architecture as in the Overview document
  - Use a common schema
  - 6 key functions
  - Use a common API

- Details to work out
  - Draft schema proposed for discussion
  - Common Stitching API
  - Actively discuss via email and phone after this GEC

- Formal acceptance of Stitching API at GEC11

- Key points made in discussion

- Architecture as in the Overview document
  - Use a common schema
  - 6 key functions
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- Formal acceptance of Stitching API at GEC11

- Schema
  - ITU basis as in Orca? IETF as in the proposal?
  - Support adaptations?
  - # links per port?
  - Structure of link IDs?
  - Need pictures
- Chain vs Tree mode & interoperability
- When are VLANs selected, instantiated?
- Client: how smart? Where are they?
- Where are the functions? Are there shared versions?
- Authorization
- API specifics
  - Overload existing functions? New functions? Same functions for chain & tree mode?
  - Tickets
- Who writes Proxy AMs (backbones, regionals, campus switches)?

- Discussion will continue via email and phone calls
  - Read the documents
  - Email Tom, Aaron, or the group
    - dev@geni.net
  - Participate
- Discussion Points
  - Stitching Schema
  - Locate & describe functions
  - API
- Adoption at GEC11
- Implementation in various frameworks
- Inter operability demonstration at GEC12

Get Involved!