

Spiral 3 Production GENI Trials

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Operations Goals for Spiral 3

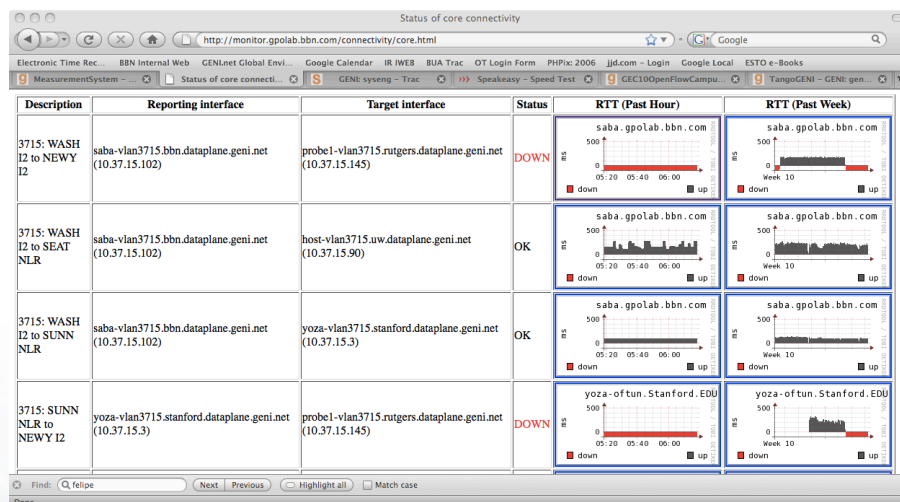
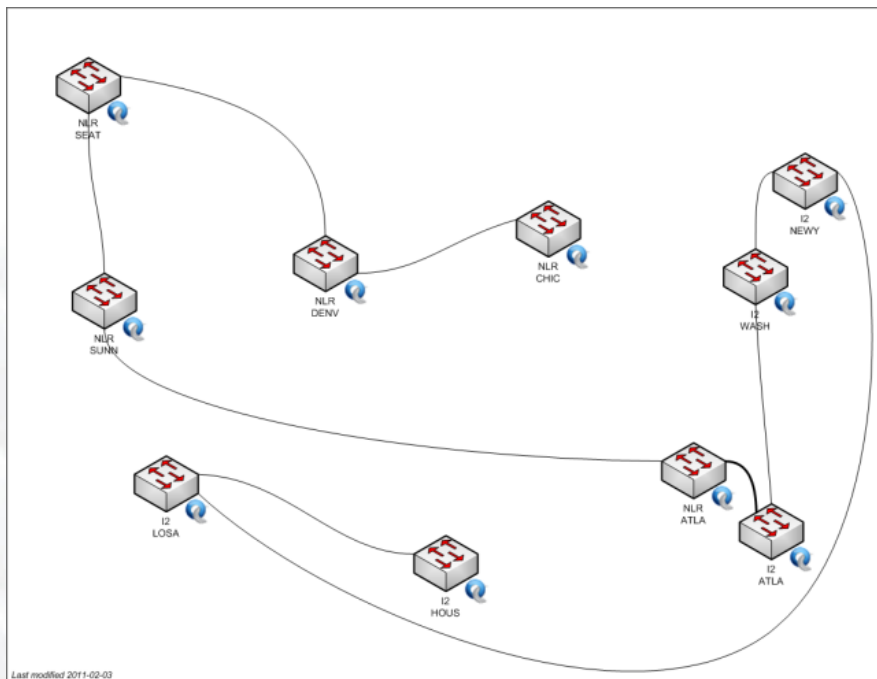
- Support more GEN Experiments
- Begin initial/trial GENI operations
- Support efforts to solidify GENI designs for control and data planes



What about
Production
Trials?

- Monitor and characterize OF on core NLR and I2 VLANs
- Exercise end-to-end OpenFlow networks continuously, share reporting
- Define and improve campus workflows, GENI procedures, and GENI policies
- Support multisite experiments (GEC12)

Monitor and characterize OF on core VLANs



<http://groups.geni.net/geni/wiki/NetworkCore>

<http://monitor.gpolab.bbn.com/connectivity/core.html>

<http://gmoc-db.grnoc.iu.edu/nagios/cgi-bin/status.cgi?host=Vlan+3715>

Exercise end-to-end OpenFlow networks continuously, share reporting

- [Tango GENI](#)
- Use OMNI, Expedient, Opt-In managers in more production mode (campus defined)
- Operate 10 or more layer-2 connected slices continuously with shared reporting (campus, GMOC, GPO)
- Present results at GEC11

Define and improve campus workflows, GENI procedures, and GENI policies

- Document campus workflows (especially access control and approvals)
[experiment setup example](#)
- Sign Aggregate Provider's Agreements ("GENI-approved")
- Trial Emergency Stop and problem escalation procedures
- Run GMOC trial operations for OpenFlow mesoscale sites

Support multisite experiments (GEC12)

- Each campus (maybe not Princeton) is supporting at least 4 multisite experiments in Spiral 3 (not demos)
- Campus drives some, GPO recruits experimenters for some
- GPO-recruited experiments requirements in April
- Use trial operations to support experiments as much as possible
- Support live experiments at GEC12