



LONI 2.0 – Optical, Routers and HPC

Friday, May 29, 2015

WebEx (Thanks to NSULA)

9am – 10am

Agenda

- Services Update – Lonnie Leger
- NOC Update – Ethan Bateman
- Fiber Update – Patrick Keenan
- Network Update – John Caffery
- Security Update – LSWG
- Bandwidth Analysis – Rusty Davis
- New OTM Metro Regional Contracts – Lonnie Leger
- perfSONAR server space request
- Staff Openings
- Campus Spotlight

Services

- <http://loni.org/Network/Services/item23102.html>
- [Internet2 Netplus](#)
 - Tulane VOIP and SIP
 - LSUHSC-NO SIP

Services

- Venyu
 - LONI has agreement with Venyu to offer all of their services on their state contracts over our network offering consolidated billing and for the interim no transport costs to BCY
 - LONI has collocation cabinets in both in BCY and BTR
 - Space available for pilots, proof-of-concepts and production
 - LSU has 2 dedicated collocation cabinets in BCY
- FW services – coming this summer
 - SUNO pilot

NOC Update

Fiber Update

- AT&T leased metro fibers expire on 6/30/16
- Maps
- We continue to work on HB1 and HB2 appropriations bills for next FY'16
- We continue to work on expanded scope of DOTD assets
- We continue to work with provider who have fiber to lease or would construct to meet our
- Approved construction plans
 - NSULA southward to Sun America – working on requisition
- Pending construction plans
 - Fiber to Level3 POP in downtown BTR – waiting on city permit
 - LSUHSC-NO to LCRC to Tulane – purchase order has issued
- Pending operational plans
 - 4 fiber strands to ISB through MOU with OTM for 100G to QB2

Network Update

- Pending Plans
 - 10G to Venyu BTR
 - 200G to Tulane POP – equipment ordered
 - 100G to Tulane – equipment ordered
 - LSUHSC-NO to LCRC to Tulane – purchase order has issued
 - Renew CenturyLink Internet in New Orleans
- Pending operational plans
 - 10G to Venyu BCY
 - 100G to ULL POP
 - 10G ScienceDMZ to ULL

Security Update

- LONIMC Security Working Group
 - Gene Fields, gene.fields@louisiana.edu - Technical Advisor to LONIMC
 - Mark Edwards, markedwards@lsu.edu - LONI-ex officio member
 - Eric Setz, esetz@lctcs.edu - LCTCS
 - Lee Hammett, lhammett@lctcs.edu - LCTCS
 - Craig Callender, ccalle2@lsu.edu - LSU System
 - Chris Miltenberger, cmilte@lsuhsc.edu - LSU System
 - Gabriel Fagbeyiro, gfagbeyiro@susla.edu - SU System
 - Lloyd Allen, lloyd_allen@subr.edu - SU System
 - Hunter Ely, hunterely@tulane.edu - Tulane (co-Chair)
 - Charles Broome, charles.broome@louisiana.edu - UL System (co-Chair)
 - Ray DeJean, ray@selu.edu - UL System
 - Karl Findorff, kjfindor@xula.edu – LAICU
- security-wg@loni.org

Bandwidth Analysis

- Our first batch of reports should be available in two weeks.

New OTM Metro Regional Contracts

- We continue the process of moving the current non-AT&T circuits to the new available vendors.
- We continue the process of converting the retainable non-AT&T circuits to the new contract pricing.
- We will be placing the orders today to convert the AT&T Basic Network to their new AT&T ASE Network.
- We will have calls shortly to plan the migration to the AT&T ASE Network similarly what was done two years ago.
- We have begun the process of looking at the special AT&T circuits like the ones known as “dedicated, point-to-point” circuits.

perfSONAR

- [perfSONAR web site](#)
- perfSONAR is an infrastructure for network performance monitoring, making it easier to solve end-to-end performance problems on paths crossing several networks. It contains a set of services delivering performance measurements in a federated environment. perfSONAR has been developed through an international collaboration led by Internet2, ESnet, RNP, and GEANT.
- LONI has deployed 7 perfSONAR server services at 6 locations. LSU and Tulane have deployed their own servers.
- LONI recommends that all sites deploy at least two perfSONAR servers as well.
- LONI will provide the servers with the application fully functional. One server will be “outside” the network of the participant and other will be “inside” the network of the participant.
- As result, LONI requests space for two servers at each participant sites.
- LONI will provide the servers with the application fully functional. LONI will retain ownership of the servers but will offer the schools to take full management responsibility of the “inside” server. We encourage the participants to take the “inside” server and replicate its functionality to other parts of their network.

Staff Openings

- LONI has two network engineering job openings. The openings are available to be applied at

<https://lsusystemcareers.lsu.edu/applicants/jsp/shared/frameSet/FrameSet.jsp?time=1432870065703>.

Campus Spotlight

Q & A

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Next Call

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