



LONI 2.0 – Optical, Routers and HPC

Friday, June 26, 2015

WebEx (Thanks to NSULA)

9am – 10am

Agenda

- 2015 Legislative Update – Lonnie Leger
- Services Update – Lonnie Leger
- NOC Update – Thomas Gardiner <tgardiner@lsu.edu>
- Fiber Update – Patrick Keenan
- Network Update – Lonnie Leger
- Security Update – LSWG
- Bandwidth Analysis – Lonnie Leger
- New OTM Metro Regional Contracts – Lonnie Leger
- perfSONAR server space request
- Staff Openings
- Campus Spotlight

Legislative Update

- HB1
- HB2
- SB33

Services Update

- Installing the pilot FW system on Monday with deployment within two weeks.
- Piloting SDN/OpenFlow technologies from Dell and NEC in regards to our fiber connection between LSU and ISB for QB2.

NOC Update

Fiber Update

- AT&T leased metro fibers expire on 6/30/16
- Maps and conversation and expectations with participants
- We continue to work on expanded scope of DOTD assets
- We continue to work with providers who have fiber to lease or would construct to meet our needs
- Approved construction plans
 - NSULA southward to Sun America – working on rolling work into statewide construction plans
- Pending construction plans
 - Fiber to Level3 POP in downtown BTR – expected start shortly after July 1st
 - LSUHSC-NO to LCRC to Tulane – expected start shortly after July 1st
- Pending operational plans
 - 4 fiber strands to ISB through MOU with OTM for 100G to QB2

Network Update

- Completed
 - Decommissioned Cisco Router at UNO
 - Decommissioned Cisco Router at SUBR
- Pending Plans
 - Decommission Cisco Router at Tulane
 - Decommission Cisco Router at ULL
 - Decommission Cisco Router at LSUHSC-NO
 - Decommission Cisco Router at LSUHSC-SP
 - Decommission Cisco Router at LaTech
 - Decommission Cisco Router at ULM
 - Decommission Cisco Router at McNeese
 - Decommission Cisco Router at SLU
 - Decommission Cisco Router a ALEX
 - Decommission Cisco Router at NSULA
 - 10G to Venyu BTR
 - 200G to Tulane POP – equipment delivery expected 1st week in July
 - 100G to Tulane – equipment delivery expected 1st week in July
 - LSUHSC-NO to LCRC to Tulane – purchase order has issued
 - Renew CenturyLink Internet for 12 months 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/central?quickFind=59544>
- Gary Mumphrey joins our network team on July 1st
- Mark Edwards departs from our network team on July 2nd

Campus Spotlight

Q & A

Lonnie Leger

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Next Call

Friday, July 17, 2015

9am – 10am