



LONI 2.0 – Optical, Routers and HPC

Friday, October 18, 2013

WebEx

9am – 10am

Agenda

- NOC Update – Ethan Bateman
- Fiber Construction Update – Jeremy Songne
- Moving forward
- Your Participation
- Progress
- Services
- Developing Plans
- Campus Spotlight
- HPC Update

NOC Update

- Acceptable DCMA/RIAA/Security Notices Responses
 - “Got it”
 - “Received”
 - “Yes”
 - “Thanks”
 - “Ya’ll rock”
 - “Not another one”
 - Just be short and to the point then we’ll leave you alone

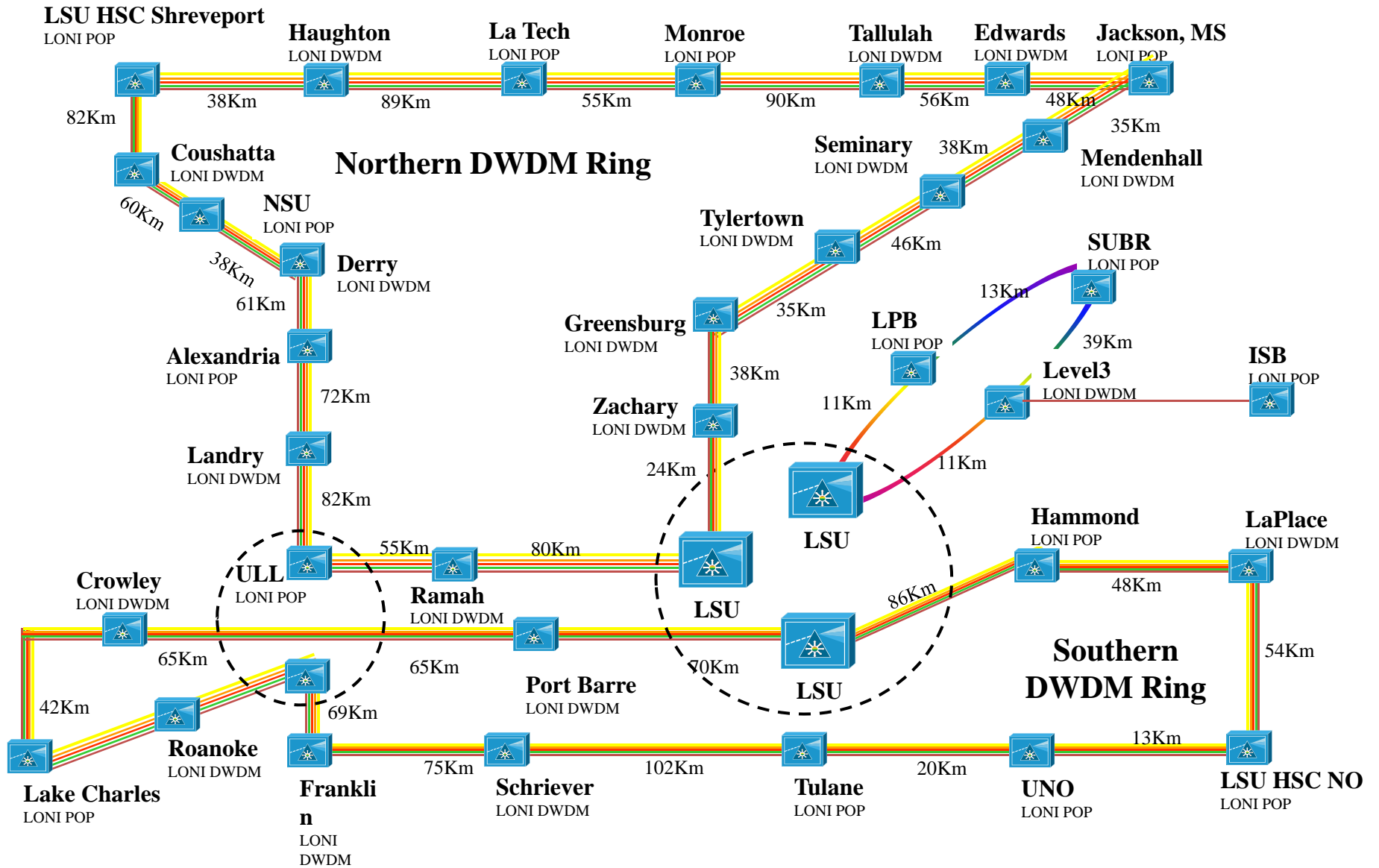
Fiber Construction Update

- New Orleans Area
- Thibodeaux Area
- Baton Rouge Area

Network Architecture

LONI 2.0 – Optical (Layer 0 and Layer 1)

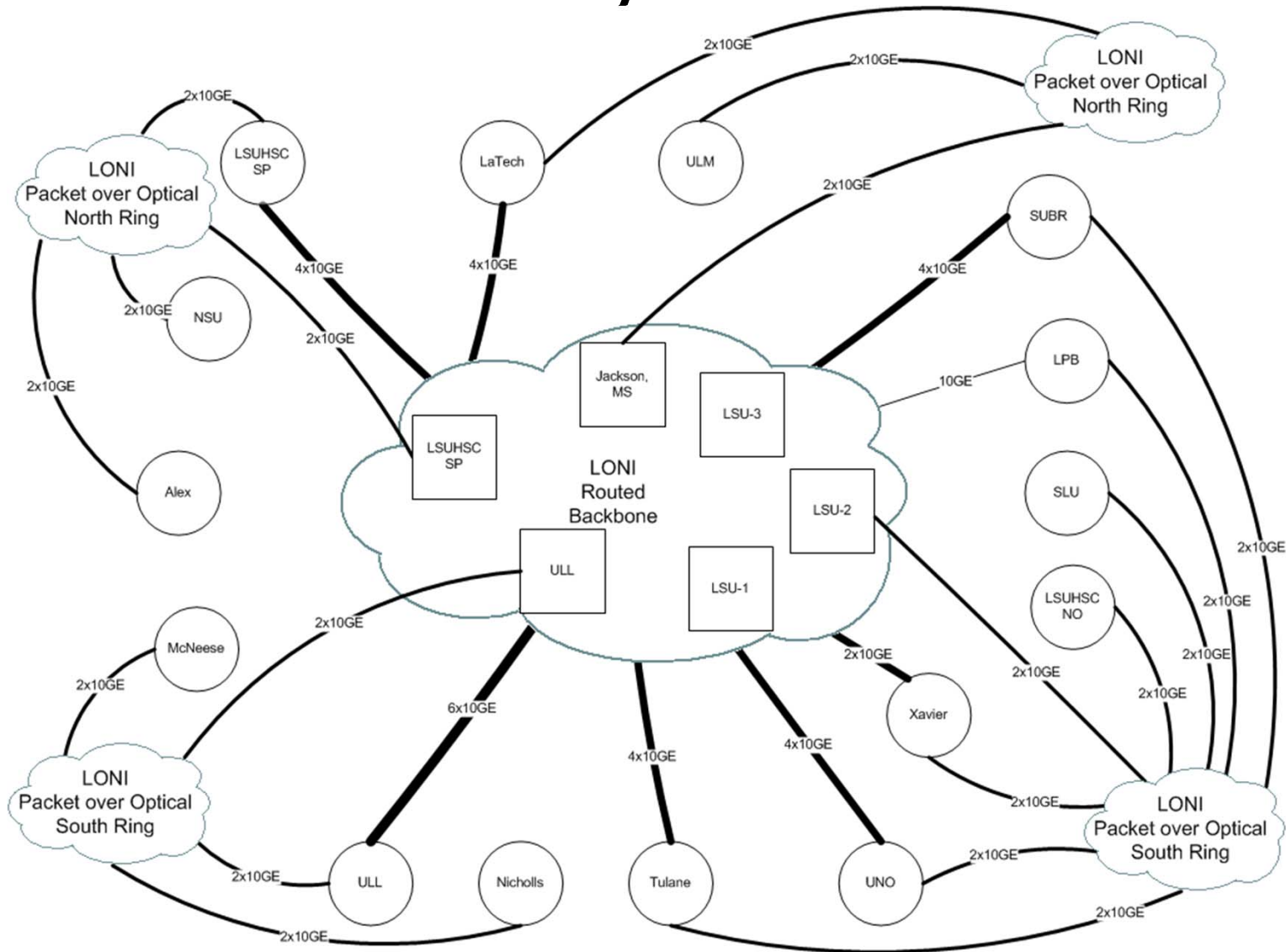
Optical Transport (Layer 0) –NO CHANGE



Optical Circuits Layer 1

○ Campus Device

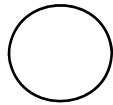
□ LONI Device



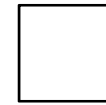
Push MPLS down to optical nodes

select optical platform with native Ethernet capability

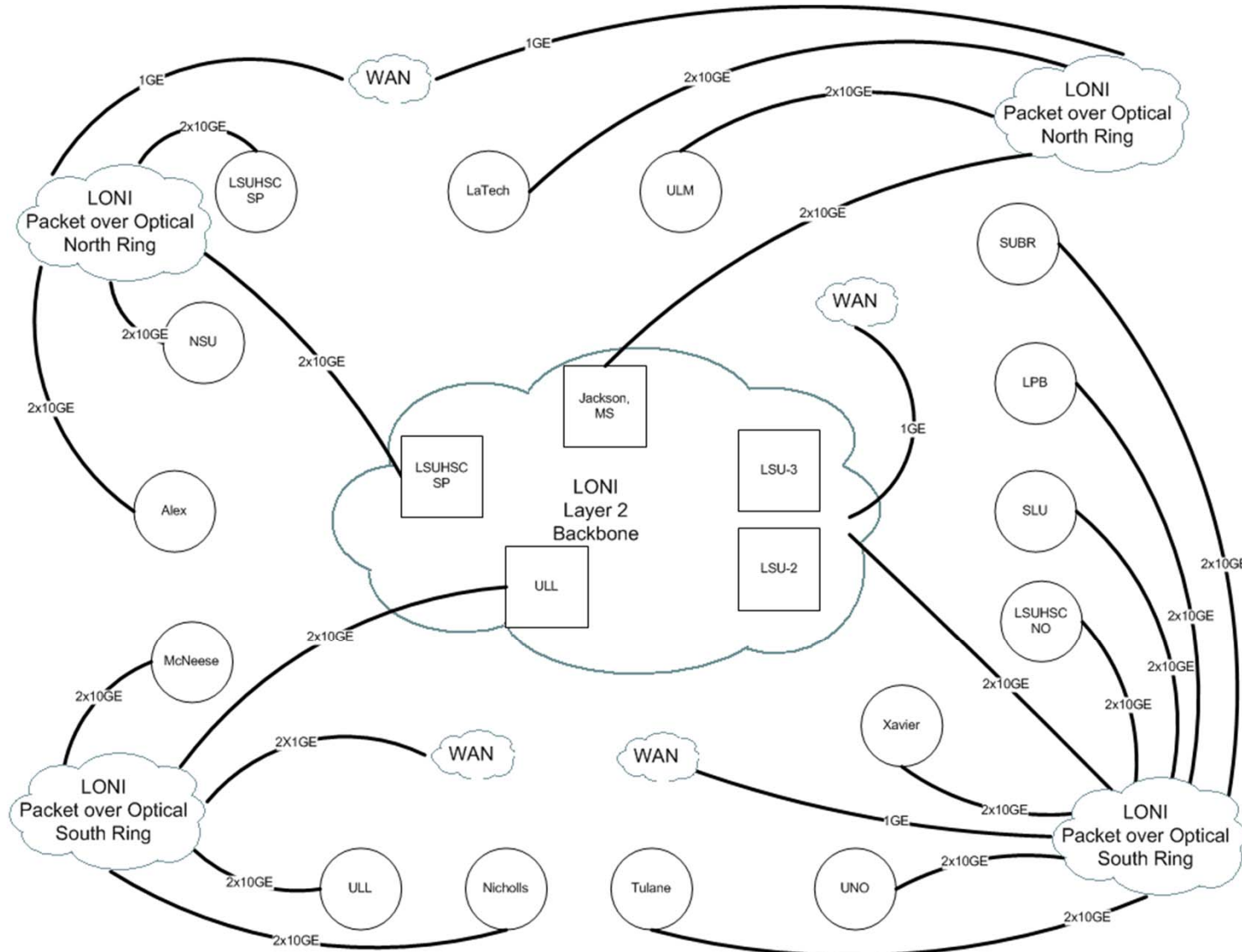
MPLS/Ethernet Layer 2



Campus Device

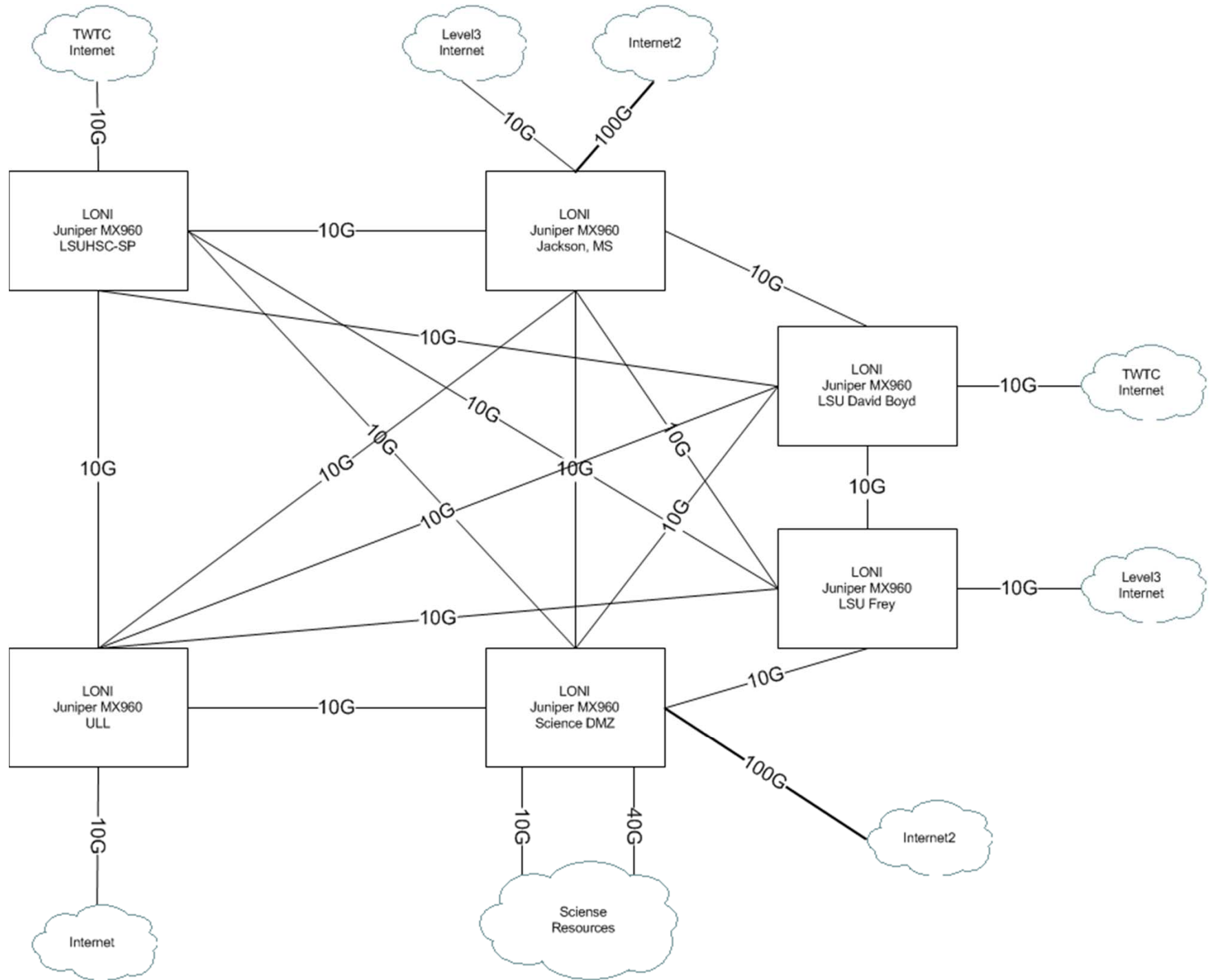


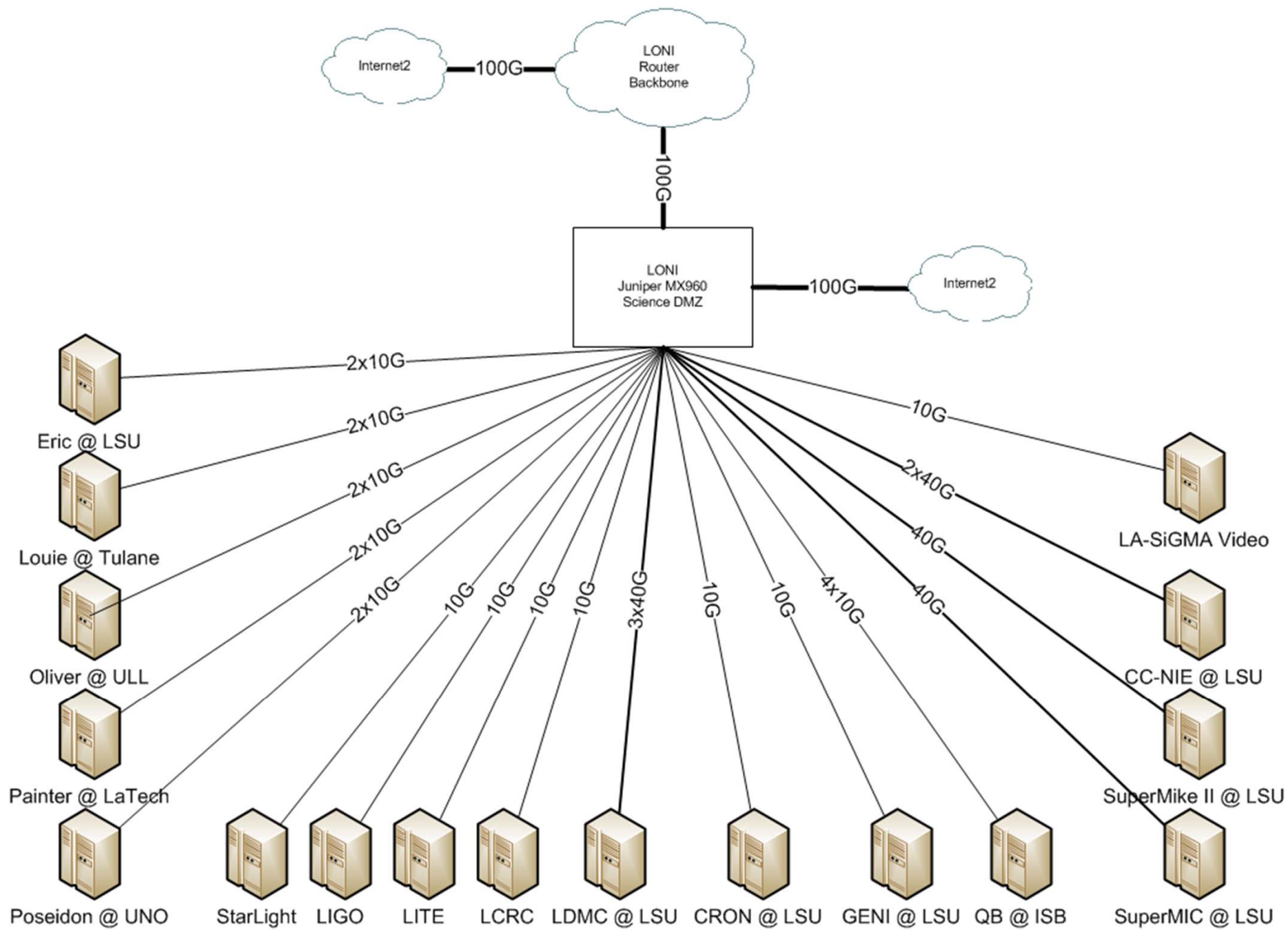
LONI Device

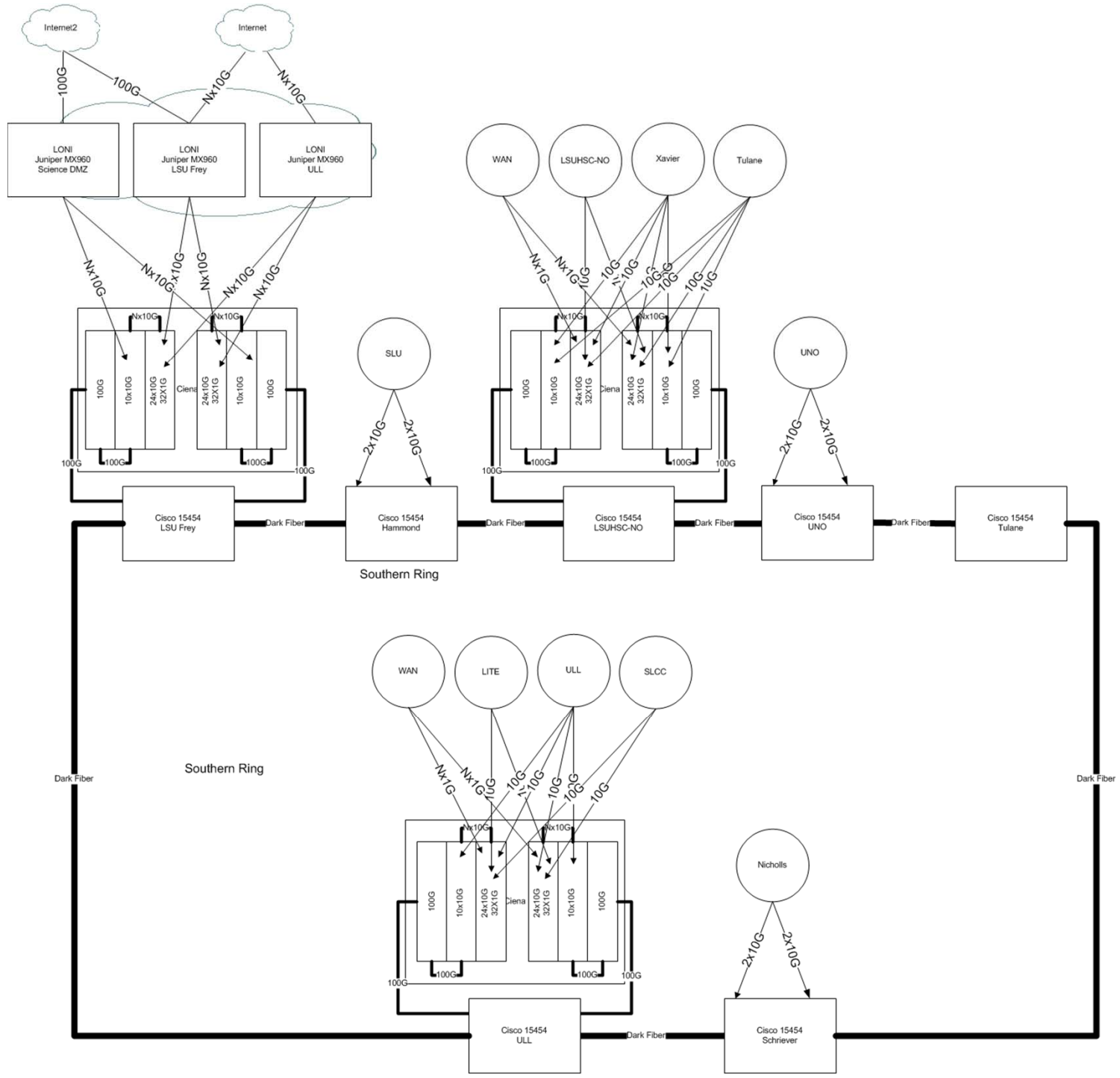


Fewer Routers

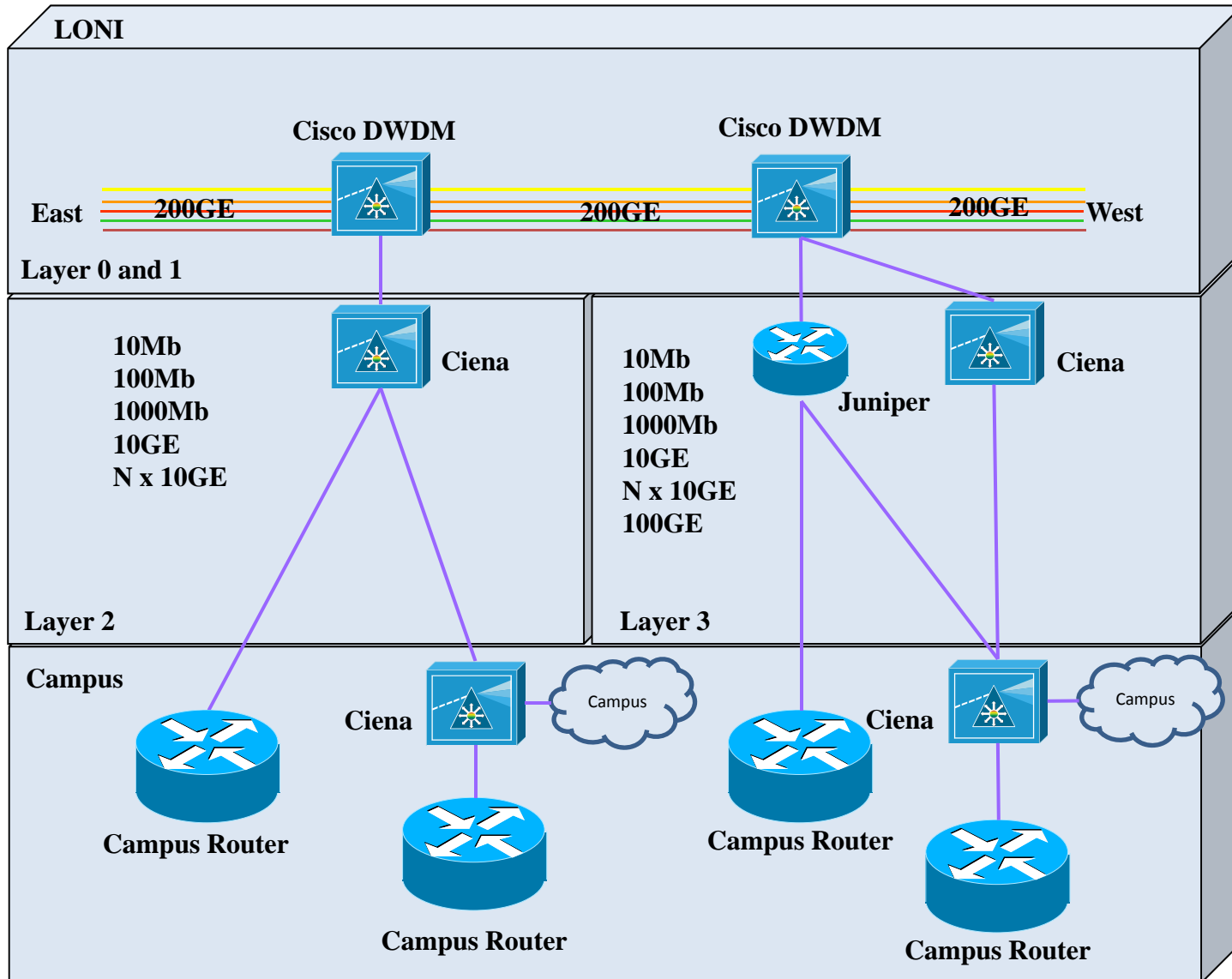
6 core routers







Building Blocks



Your Participation

- Investment
- Discussion and Feedback
- Backbone connected
 - N x 10Gbps
 - 100Gbps
- WAN connected
 - 10/100/1000Mbps

Progress

- Community Technical Calls on 6/6/13, 7/11/13, 8/23/13, 10/18/13
- Ciena 100G to NOLA received and working on implementation services scope from Ciena
- Consolidating our existing routers in preparation for trade-in
- Budgeting 100G to ULL and implementation services from Ciena
- Budgeting Juniper router purchase
- Completed LCTCS Statewide WAN Redesign
- LONI Fiber to Nicholls to be completed very soon
- LONI Fiber to Tulane awaiting Tulane inside work
- LONI Fiber to DOTD in New Orleans complete
- LONI Fiber to DOTD in Baton Rouge approximately 8 weeks away
- Regents signed MSA with Internet2 for 100G and Net+ cloud services

Services

- <http://loni.org/Network/Services/item23102.html>

Developing Plans

- Cloud services from Internet2
- Cloud services from Venyu
- Cloud services from AT&T
- Dark Fiber replacement to LPB
- Dark Fiber replacement to UNO
- Dark Fiber replacement to SLU
- Dark Fiber replacement to NSU
- Dark Fiber replacement to LSUHSC-SP

Campus Spotlight

HPC Update

- <http://loni.org/LONI%202.0/item64766.html>

Q & A

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