



NSF Campus Cyberinfrastructure PI and Cybersecurity Innovation for Cyberinfrastructure PI Workshop

October 3-4 | Albuquerque, New Mexico

NSF Program (either CC or CICI): CC*

Award Number: 1659259

Project Title: “CC* Network Design: Network Infrastructure for Improved Student Engagement in Science Discovery and Innovation”

Program Area: ACI - Campus Cyberinfrastructure (CC-NIE)



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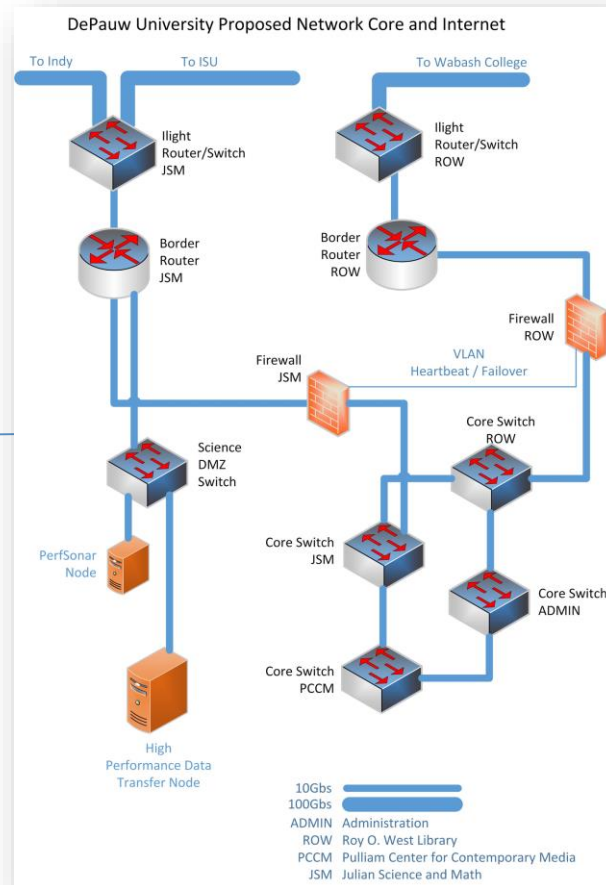
Quad Chart for: “CC* Network Design: Network Infrastructure for Improved Student Engagement in Science Discovery and Innovation”

Challenge or Approach:

- Throughput to ILight network limited to ~1Gbs for entire campus due to firewall/router hardware limitation
- No back up link to ILight
- Core switch infrastructure aging

Solution(s) or Deliverables:

- High speed data transfer capability to/from I2 RE networks (> 6 Gbs)
- Core switches replacement
- Science DMZ / Border routers
- Secondary 10Gbs uplink to ILight



Scientific Impact or Broader Impact:

- Enable Science Discovery and Education
- Accelerate Research projects involving large data sets
- Improve core network infrastructure and internet throughput for entire campus

Metadata tag:

https://www.nsf.gov/awardsearch/showAward?AWD_ID=1659259&HistoricalAwards=false