

Current State

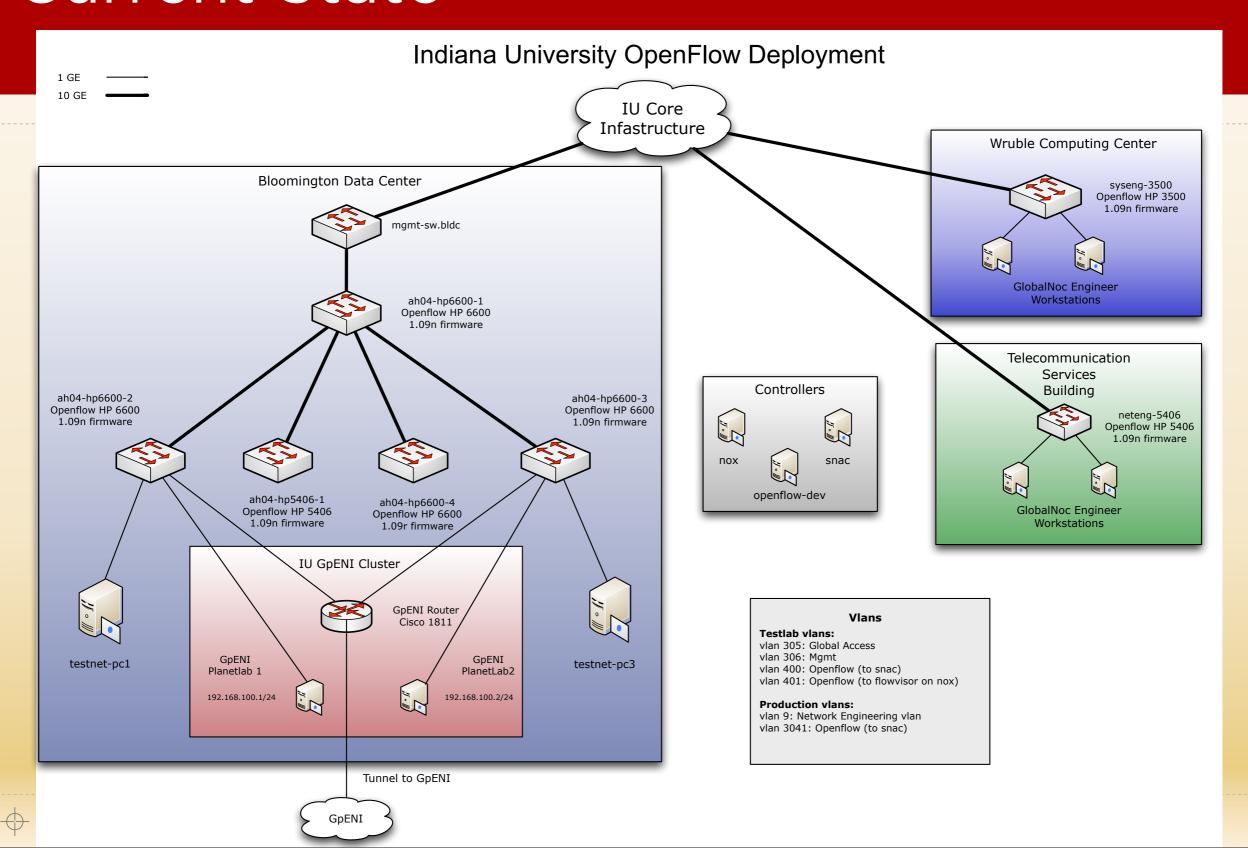
- 7 HP switches
 - 5 Testlab, 2 Production
- Controllers: NOX, FlowVisor, SNAC
- Measurement: Simple Nagios checks
- GpENI cluster simple integration







Current State



Next actions

- Production users (before GEC8)
 - Add users to OpenFlow vlans
 - Issue: Management and IP acls for network engineer subnet
- Multi-Campus Deployment
 - Deploy one of the switches at IUPUI (Indianapolis)
 - Use dedicated I-Light fiber/Ciena Core Directors?
- FlowVisor / Aggregate Manager (before GEC 8)







More next actions

- Additional Management/Measurement tests (before GEC8)
 - Nagios checks
 - SNAPP graphs -- SNMP and using NOX direct queries
- Experiments: IU and others
 - IPTV, Measurement, etc.
- Visualizations for operators and demos
- Virtualized server (before GEC8)
- High Throughput testers (before GEC8)







Connections

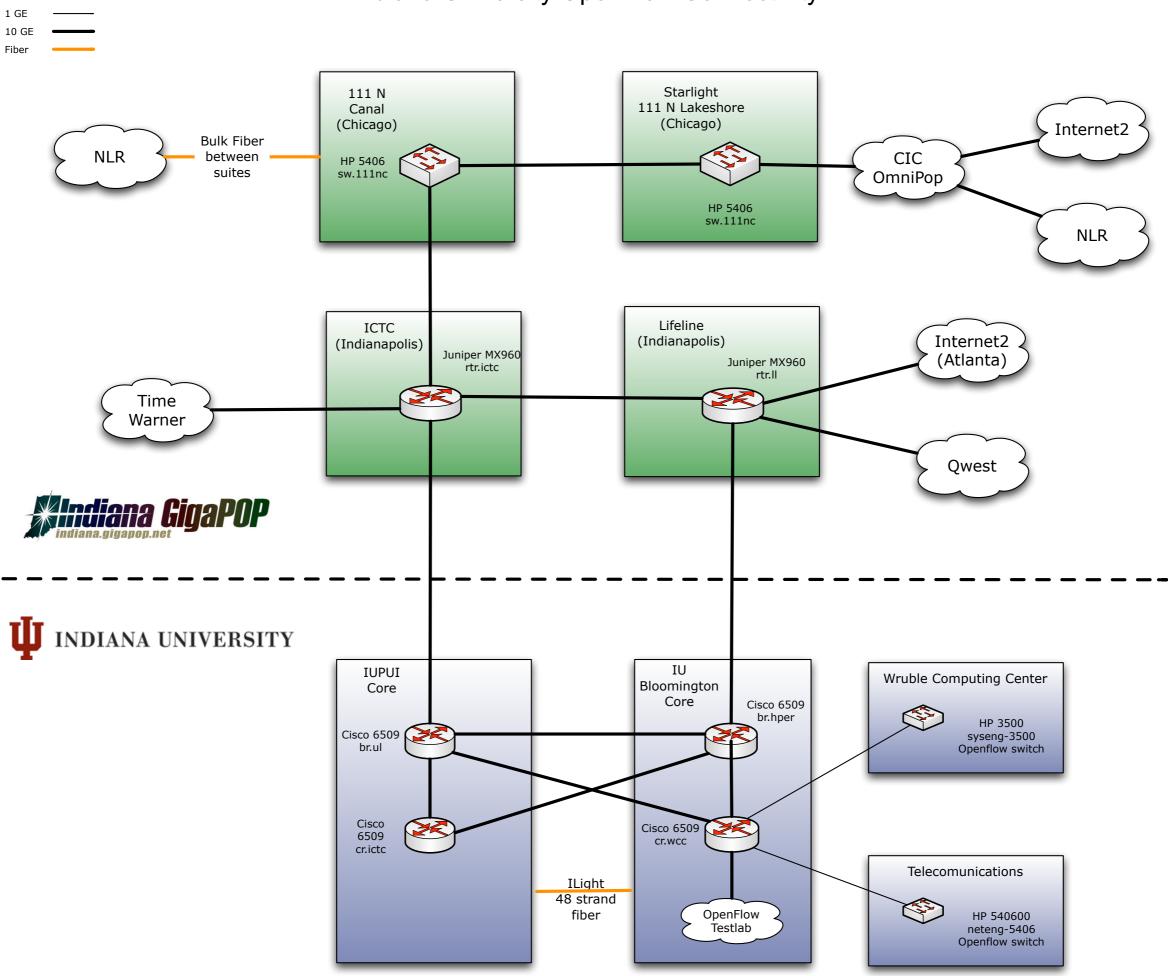
- Exploring connections to I2 and NLR
 - Connectivity in Chic??
- GpENI cluster (Connected)
 - Increased integration
 - Mapping between PL/VINI slices and OpenFlow slices







Indiana University OpenFlow Connectivity



What we need

- OpenFlow 1.0
 - Firmware, Controllers and other software
- "Hybrid" software -- Ciena SC09 Demo?
- Aggregate Manager
 - Planetlab and other slice mapping/stitching
- Security
- Config Mode Admin of OpenFlow networks at campus scale

















