





Network Research Exhibition:

The Future of Networking and Computing with Big Data Streams









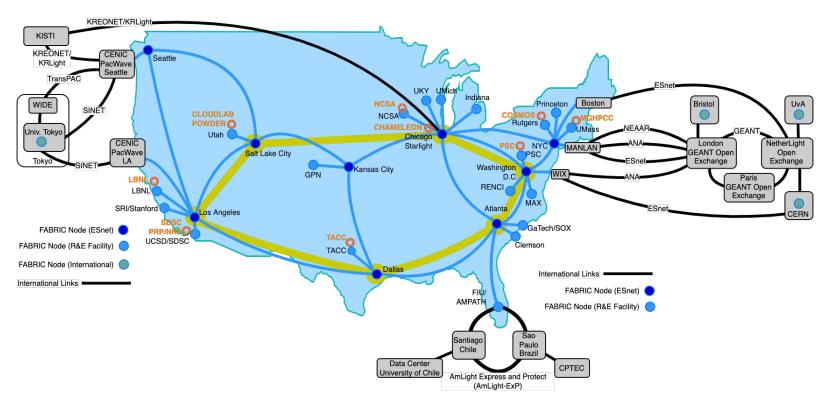


- Big flows:
 - We can push big flows.
 - Achieving high speeds is difficult and often requires custom help/tuning from low-level administrators.
- 'Smart' networks
 - Usually limited to the edge
 - Difficult to experiment in the the core.
- Science experiments
 - Often highly custom and not repeatable by others.
 - Limited hardware availability, code portability, etc.
 - Many times, the original experimenter does not know how to repeat an experiment.



FABRIC Testbed (+FAB)



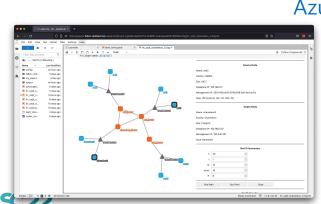


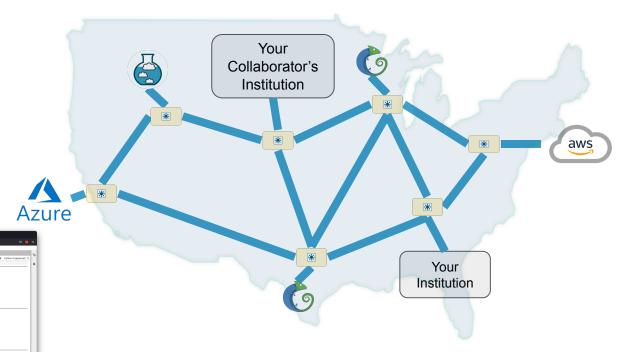


FABRIC Experiments



- P4/SDN
- Honeypots
- Named Data Networking (NDN)
- BGP Peering
- Datacenter protocols
- Scalable Genome Analysis
- Fast data transfers
- Internet Privacy







- Network experimentation
 - In the core
 - At-scale
 - "Real" edge facilities
 - Seamless federation across testbeds
- Testbeds as scientific instruments
 - Shared infrastructure
 - Packaged/published experimental artifacts
 - Repeatable by anyone





Questions?

Visit https://fabric-testbed.net

Learn more, and Join the Forum at https://learn.fabric-testbed.net

Ask info@fabric-testbed.net

FABRIC Software: https://github.com/fabric-testbed





