



ESnet

ENERGY SCIENCES NETWORK

ESnet Update

Chin Guok

Network Engineer, ESnet

Lawrence Berkeley National
Laboratory

GLIF(17)-Americas

Sydney, Australia

Sep 25, 2017



U.S. DEPARTMENT OF
ENERGY
Office of Science



What Have We Been Up to?

- Transatlantic Connectivity
 - Analysis completed (Fall 2017), in process of contracting services
 - Increasing existing bandwidth from 340Gbps to 400Gbps
 - End-points of services remain the same
- ESnet6
 - Architecture design completed (Summer 2017)
 - Completed first (of several) external review (Fall 2017)
 - DOE review (CD1 phase) is planned for Spring (2018)
 - Expected start of rollout is the 2019-2020 timeframe
- Staffing up
 - Open positions for network and software engineers