GLIF Tech Discussion





Designing/building networks for researchers

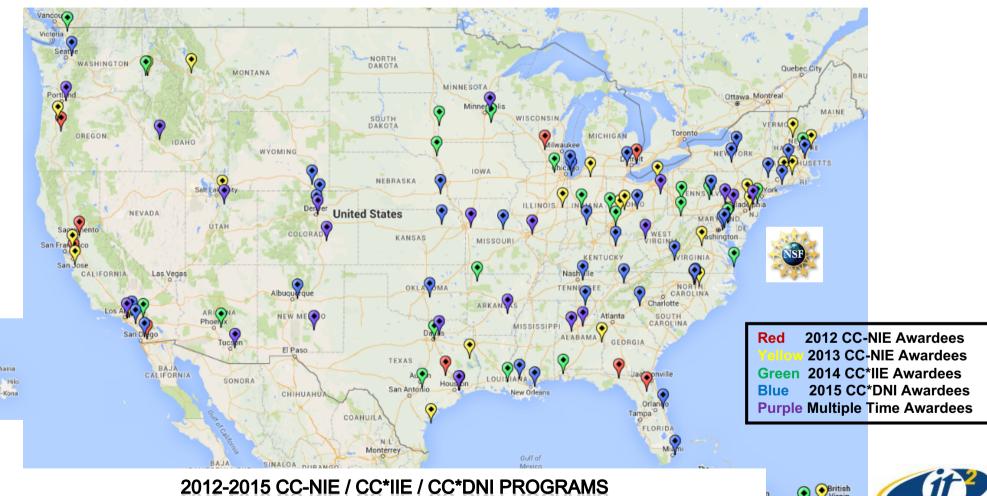
VS

Designing/building networks with researchers





Based on Community Input and on ESnet's Science DMZ Concept, NSF Has Funded Over 100 Campuses to Build Local Big Data Freeways

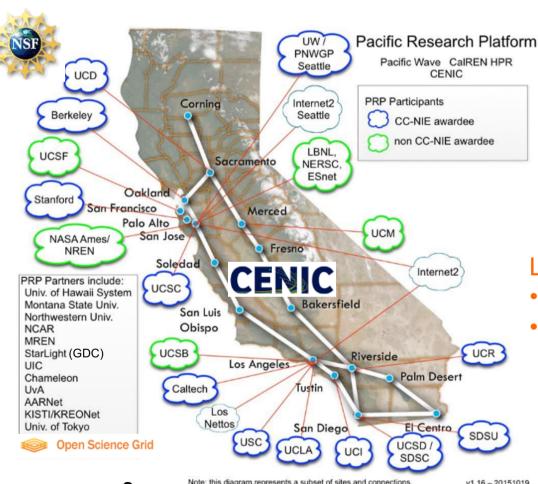


Source: NSF





Logical Next Step: The Pacific Research Platform Creates a Regional End-to-End Science-Driven "Big Data Superhighway" System



PACIFIC RESEARCH

PLATFORM

John Hess, CENIC

NSF CC*DNI Grant \$5M 10/2015-10/2020

PI: Larry Smarr, UC San Diego Calit2 Co-Pis:

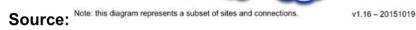
- Camille Crittenden, UC Berkeley CITRIS,
- Tom DeFanti, UC San Diego Calit2,
- Philip Papadopoulos, UCSD SDSC,
- Frank Wuerthwein, UCSD Physics and SDSC

Letters of Commitment from:

- 50 Researchers from 15 Campuses
- 32 IT/Network Organization Leaders

See Deep Dive 3 on NSF Research CI







We Measure Disk-to-Disk Throughput with 10GB File Transfer 4 Times Per Day in Both Directions for All PRP Sites

PRPGridFTP

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