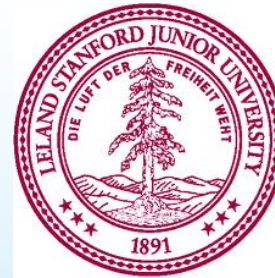


INTERNET
2



Joint Techs Baton Rouge
January 25, 2012

ANNOUNCING AVAILABILITY OF: THE NDDI OPEN EXCHANGE SOFTWARE STACK (OE-SS)

What is OE-SS?

- NDDI: Network Development and Deployment Initiative
- OS3E: Open Science, Scholarship, and Services Exchange
- OE-SS: Open Source software which powers the OS3E Service
- Provides for on-demand virtual circuit (VLAN) provisioning on an OpenFlow substrate
- Available to community for deployment of similar services
- Apache 2.0 license
- Available today!

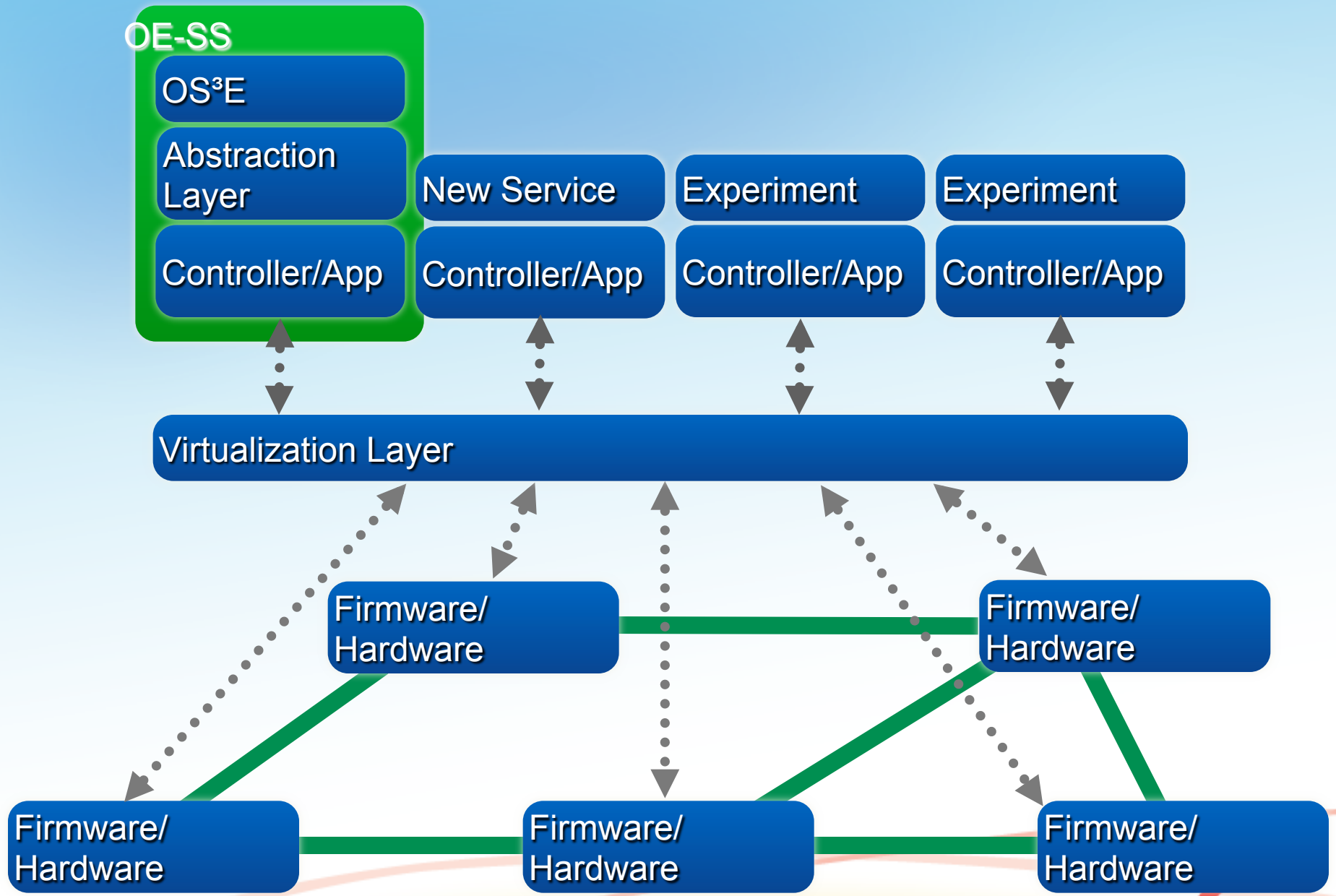


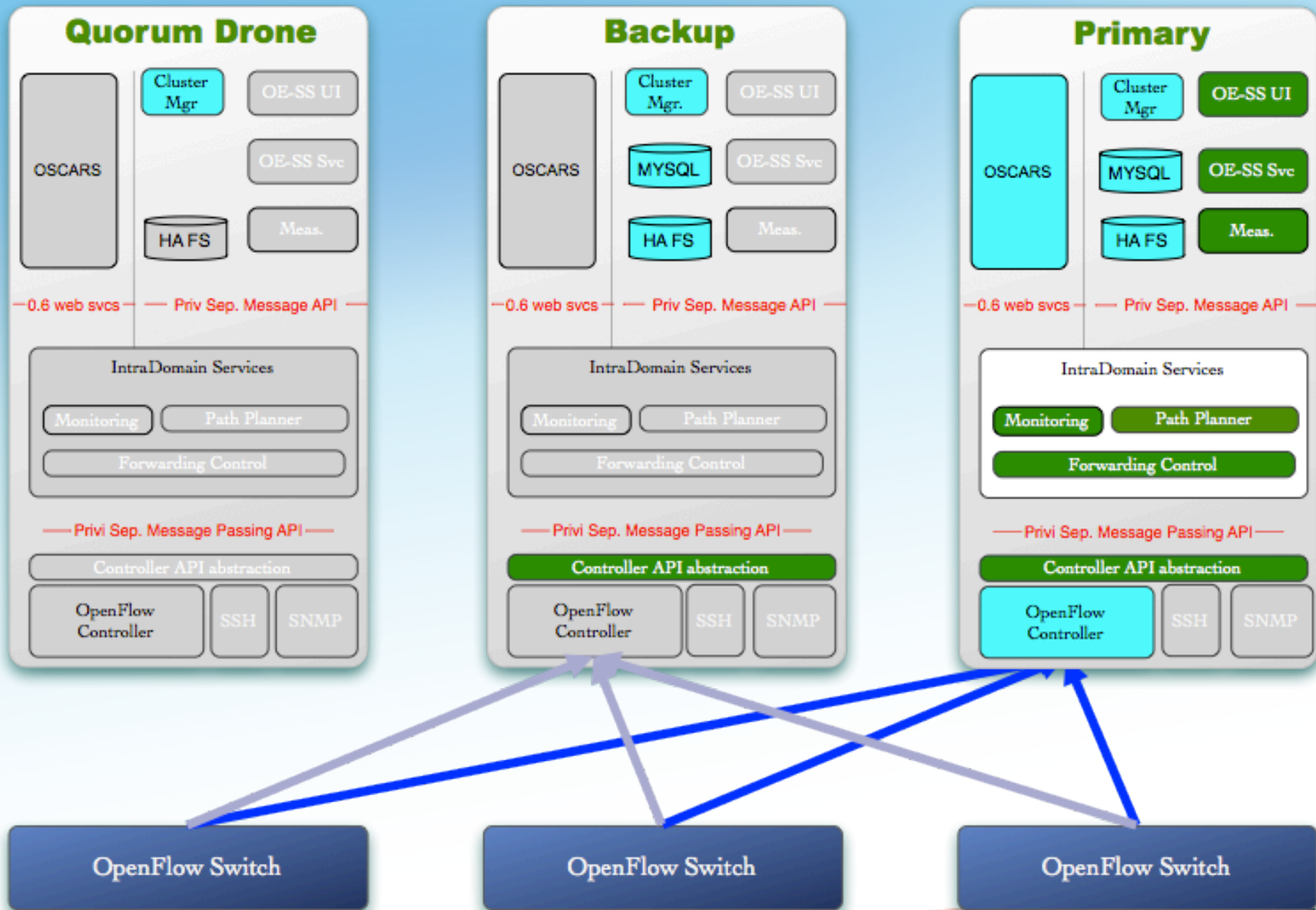
OE-SS

- Hardware independence via OpenFlow
- Rapid intra-domain provisioning < 1 sec
- Backup paths with automated fail over
- Redundant controllers
- Automated discovery
- Automated measurement
- Under development
 - Multipoint VLANs
 - Reserved bandwidth
 - Q-in-Q tag stacking



INTERNET





INTERNET

Summary

Description

New Demo Circuit

Bandwidth

0 Mbps

Type

Local

Status

active

Endpoints

Interface	VLAN
nd6-ew-losa.net.internet2.edu - 63	1000
nd6-ew-chic.net.internet2.edu - 63	1200

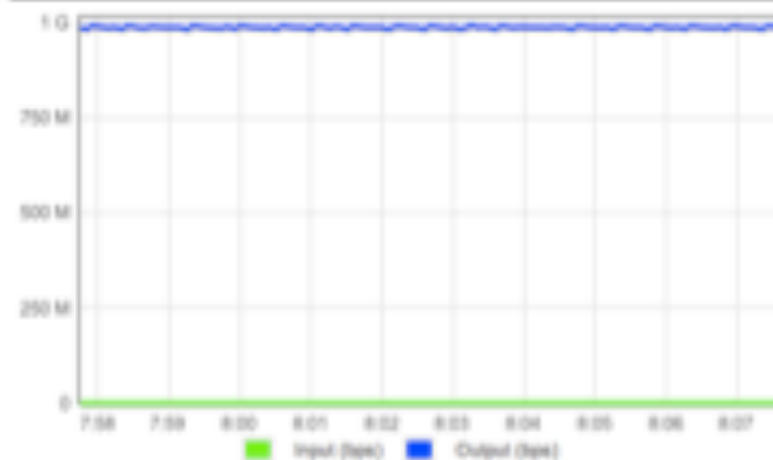
Edit Circuit

Remove Circuit



● Circuit Endpoint ● Unused Endpoint
— Primary Path — Secondary Path ■ Available Link ■ Down Link

Traffic User Events Network Events



Past 10 Minutes



Using OE-SS

- Hosted on Google Code:
 - <http://code.google.com/p/nddi/>
- Contact Internet2 NOC (noc@net.internet2.edu) with any questions.
- Discussion mailing list coming soon. Watch Google Code page for details.

