

Teleconference notes March 28, 2013

Thurs March 28th 2013

Attending:

Michael Lambert - lambert@psc.edu

Dale W. Carder - dwcarder@wisc.edu

Chris Small - chsmall@indiana.edu

Kevin Mayeshiro - kmayeshiro@ucdavis.edu

Paul Schopis

Dan Schmiedt (on the road)

Michael Van Norman

Joseph Lappa - lappa@psc.edu

Brent Salisbury (on the phone)

Jeffrey Handal (LSU)

Any agenda items from the group?

GENI Engineering Conference #16

Nick Bastin

Switch Light? both soft switch and Broadcom chip <http://www.bigswitch.com/products/switch-light>

SwitchLight on top of OVS

Software switch vs hardware OF switches

OVS: software-switch support

VMware: software capabilities

OVS: implementations ported on Pronto/pica8 may utilize TCAM/rewrite - magic patches

Juniper: OVS source code on the hardware - tie to the h/w

OVSDB - can be outside

OVSDB protocol vs NetConf

ONF acceptance of OVSDB

Hybrid implementations

Separate infrastructure - pure OF and legacy

Testing purposes: hybrid seems to be the option

Troubleshooting: careful on spanning tree

VLAN separation is key (OEES)

Standardization in transition period: hybrid acceptance/designs by ONF

Juniper SDN strategy - network functions virtualization

Contrail controller - MPLS virtualization - ISPs

LSU: Testbed topology where researchers can experiment with and control

Development environment: virtualized environment, Pronto's, physically-divided topologies, concrete separation, virtual switches (most development),

hardware comes at the end of the development, topology/software

Example: HP 3500 VLANs supporting different topologies