Upcoming Workshop

Where: Indianapolis (SDN Lab on IUPUI Campus)
When: February 22nd, 2015
What: (see next slide)
Cost: $300 per student
Registration by: Jan 31st (require a min of 10 registrations)

Registration link:
Workshop Focus

- SDN “Themes” – broad coverage of SDN beyond OpenFlow
- Deep dive into OpenFlow conformance testing and evolution of the specification
- Hands-on exercises that including OpenFlow, OpenStack’s Neutron, and potentially Cumulus Networks on a whitebox switch
SDN Themes

- SDN
  - Controllers
  - Orchestration
    - OpenFlow
    - NetConf
    - Puppet
    - Chef (i.e., Ruby)
    - Open Contrail
    - OpenStack Neutron
    - Cisco onePK (Java, C)
    - VMware NSX
  - Protocols
    - VXLAN (Virtual Extensible LAN)
    - Portland
    - NVGRE
    - DOVE
    - segment routing (SR)
  - Encapsulation
  - Network Functions Virtualization
    - Open vSwitch
    - Facebook "wedge" ToR
    - Open Compute
  - White Box Linux Switch (e.g., Cumulus Networks)
  - related
  - Use Cases
    - VM network orchestration
      - network monitoring (Big Tap)
      - network access control (NAC)
      - bandwidth on demand
      - firewall bypass (e.g., science DMZ)
      - novel Ethernet behavior (e.g., Portland)
      - traffic engineering
      - service insertion & chaining
  - Standard's Bodies
SDN Themes

SDN

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Use Cases

Controllers related

Standard's Bodies
SDN Themes

Controllers
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Use Cases

SDN

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- OVSBDB

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SDN Themes

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  - Facebook "wedge" ToR
    - White Box Linux Switch (e.g., Cumulus Networks)
  - Open vSwitch
  - Open Compute
- Controllers

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