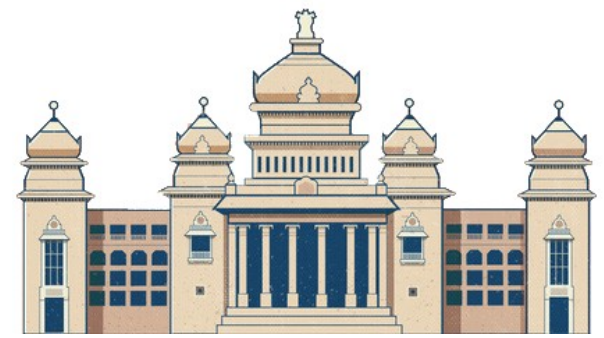


COMSNETS 2015

JANUARY 6 - 10
BANGALORE, INDIA



SDN - Has it delivered as HYPED?

Panel Discussion Moderator

Ishwardutt Parulkar

CTO, Cisco Systems

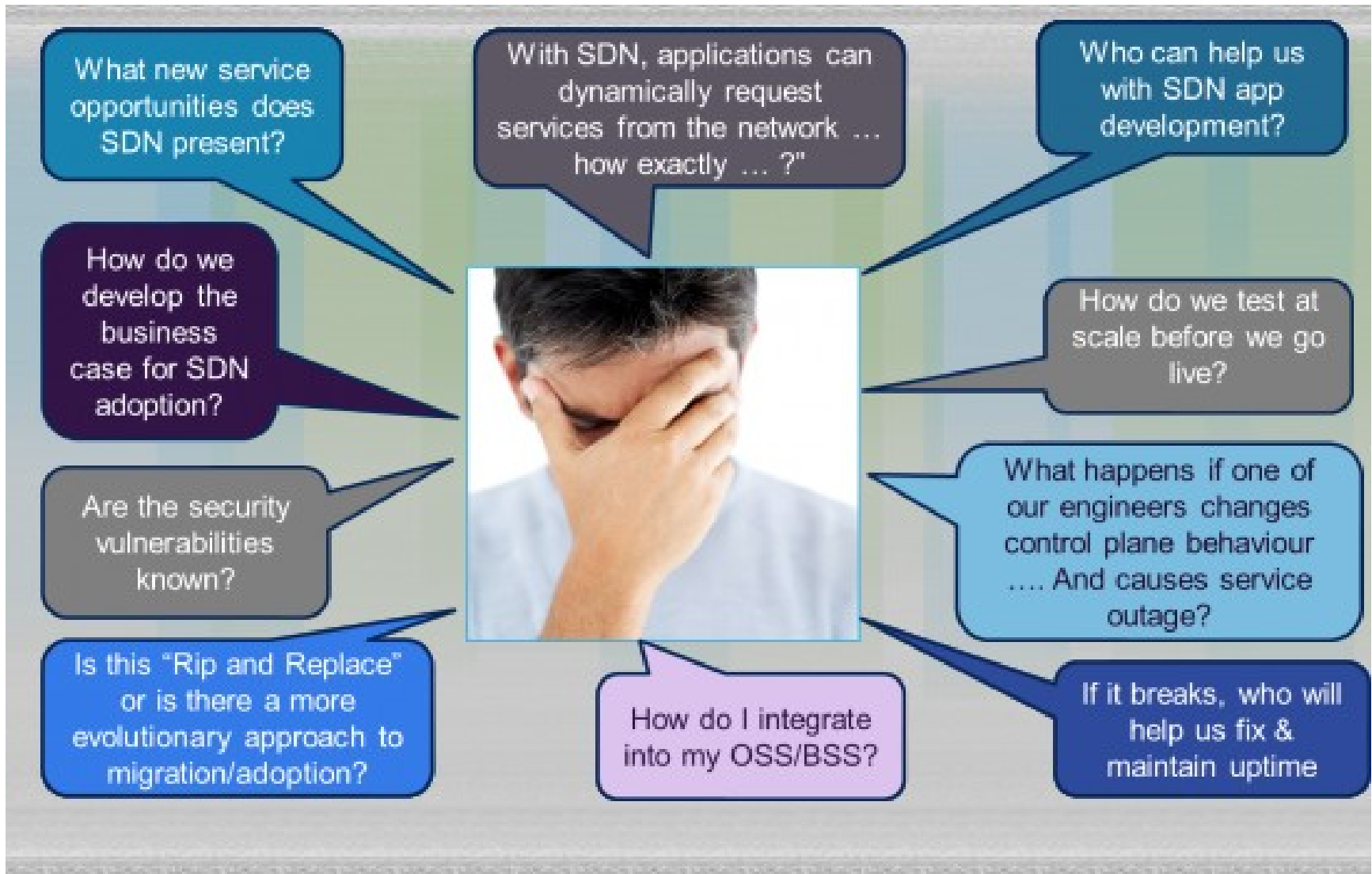
COMSNETS 2015 Panels Co-Chairs

- Niranth Amogh, Huawei
- Ishwardutt Parulkar, Cisco

The SDN Hype

- “SDNs are going to bring administrative, topological or operational efficiency to networking”
- “Enable Rapid Innovation in Networking and new forms of Network Control”
- “Agile Flow Management”
- “Enables Network Virtualization”
 - Decoupling Control and Data planes
 - Rapid deployment of applications (Days to minutes)
 - Vendor choice
 - Security applications
- Industry spending of about USD 35 Billion by 2018.

SDN Reality Check!!

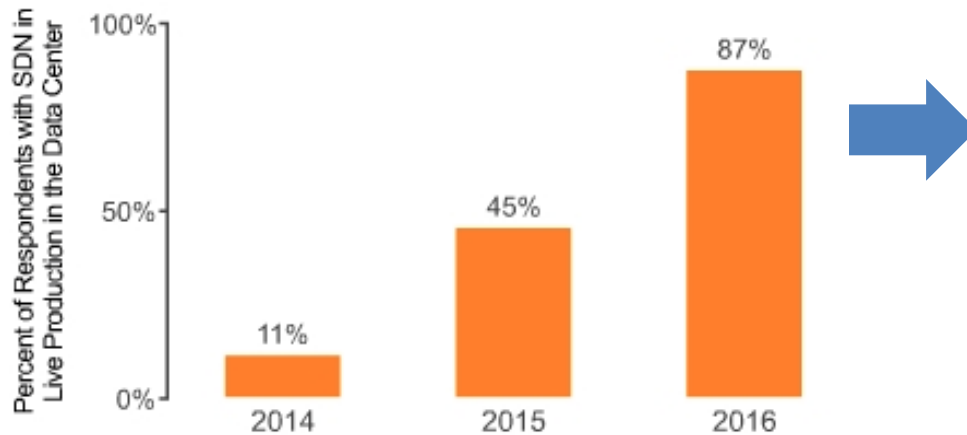


SDN Reality Check!!

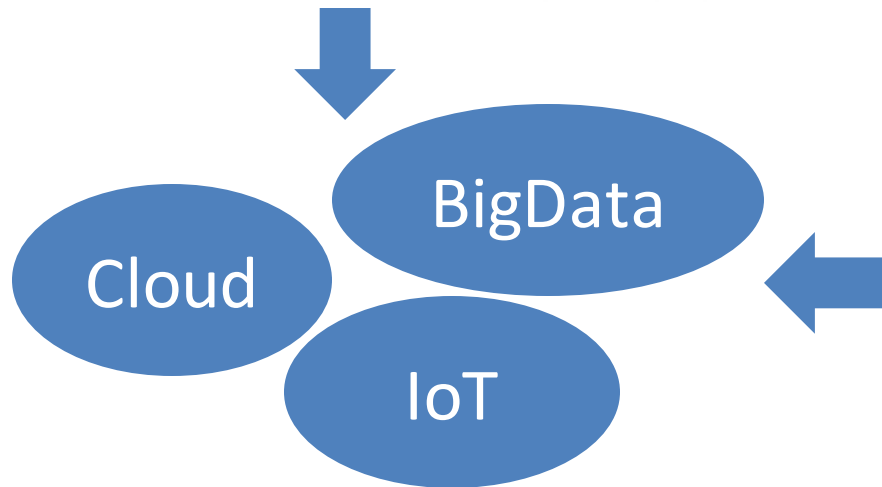
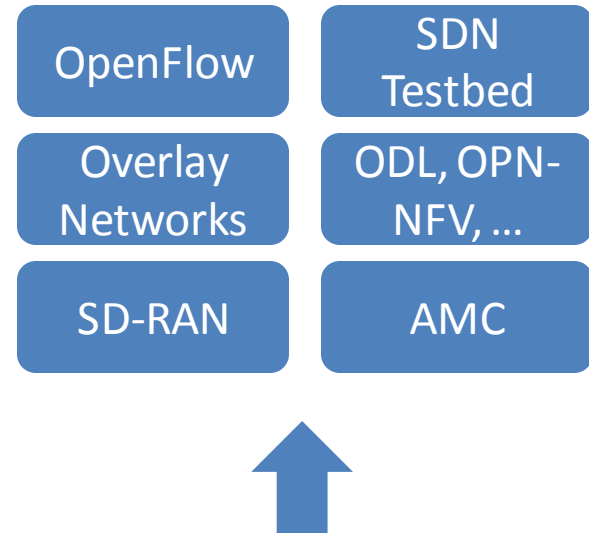
- Several members have resigned Open Network Foundation (ONF). It has decided to refocus on open source software development.
- Startups have shown decline. Very few acquisitions.
- SDN seems for the near future to be confined to the data center.
- Nobody is thinking about the Users and getting the design right!
- Separation of Control and Data Plane does not make the Network Operations simpler.

SDN Reality Check!!

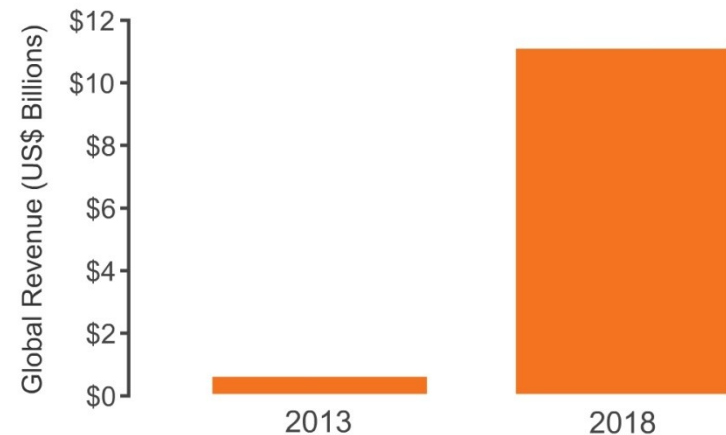
87% of surveyed medium and large businesses plan to have SDN in live production in the data center by 2016



© Infonetics Research, SDN Strategies: North American Enterprise Survey, July 2014



Infonetics expects carrier SDN and NFV hardware and software to grow from \$500M in 2013 to \$11B in 2018



© Infonetics Research, Carrier SDN and NFV Hardware and Software: Annual Market Size and Forecasts: November 2014

Panel Discussion Theme

- What are the challenges for SDN deployment - Open Flow, Leveraging existing investment?
- What is the nature of the emerging SDN directions?
- What is necessary to align networking products with SDN requirements?
- Which hypes and trends are here to stay?
- What are the challenges for SDN and NFV relationship?
- What roles should Standards and Open Sources play to bridge hype to reality?
- What are the opportunities for Startups?
- What are the emerging perspectives - SD-RAN, OSS/BSS, Silicon?

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