

Transport SDN - Getting Down to Business

OFC 2016

Expo Theater III

March 22, 2:45-3:45PM



OIF

OPTICAL
INTERNETWORKING
FORUM

Abstract

- Market adoption for transport or carrier SDN has progressed from field trials to deployments by innovators and early adopters. Now all carriers are seriously evaluating and gearing up for deployments. The key objectives in all these efforts is to profitably deliver on-demand services by not only simplifying and optimizing networks but by automating and differentiating their service offerings. The ability to implement open and standard APIs and well-defined services for transport SDN is a key to success.
- In this session, OIF expert panelists will assess the state of the transport SDN market and provide an update on work related to APIs and service definitions.

About the OIF

The Optical Internetworking Forum:

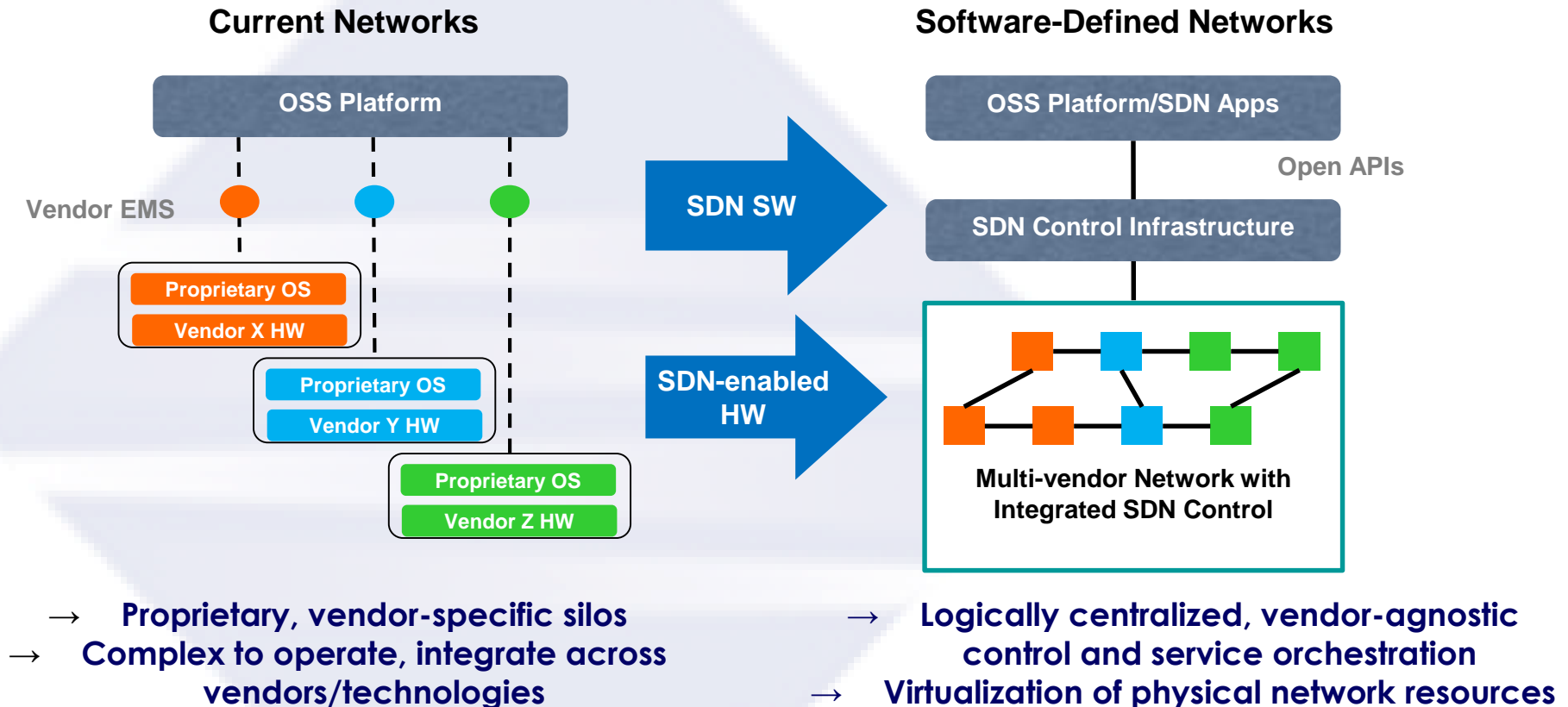
- **Represents an end-to-end ecosystem membership base**
 - **Optical Component Vendors**
 - **Optical System and Test Vendors**
 - **Operators (Traditional and Non-Traditional)**
- **Accelerating market adoption and ROI for new technologies**
 - **Key driver behind 100G**
 - **100G Framework and supporting chip and backplane I/F specifications**
 - **Now moving on to 400G**
- **Open and agile work plan**
 - **Distributed Control, Centralized Control – whatever best fits operator needs!**



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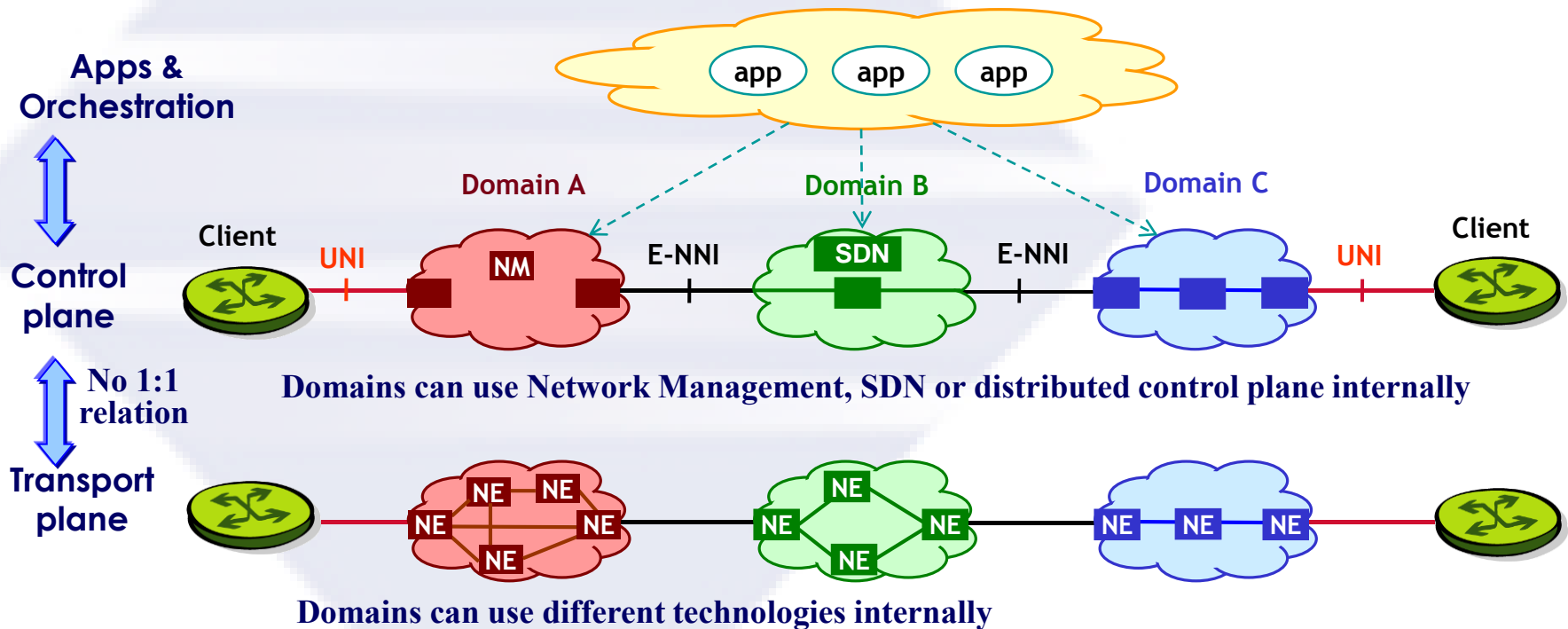
Why do Transport Networks Need SDN?



- **Makes networks easier to manage and more flexible for new service introduction and deployment**
- **Leads to Open & Programmable networks**

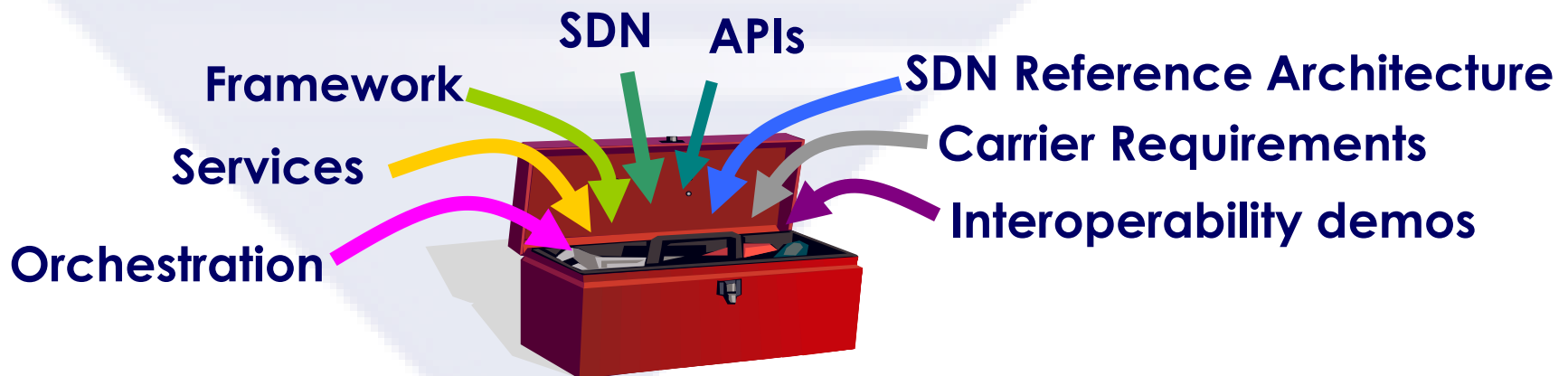
Goal: Seamless Interworking

- **Efficient, Agile Multi-layer, Multi-vendor, Multi-domain Carrier Networks**



OIF's Goals: Transport SDN Toolkit

- **Essential tools for Transport SDN deployment**
 - **Address carrier operations environment**
 - Legacy as well as greenfield
 - **Enable differentiated services**
 - Speed service development through standard network APIs
 - **Deliver scalability, security and high performance**
 - Hierarchical structure with mix of local and central functions



Agenda

- **Introduction:**
 - **Dave Brown, OIF VP of Marketing, Nokia**

- **Transport SDN Toolkit Update - SDN Framework and APIs:**
 - **Lyndon Ong, OIF Market Awareness & Education Committee Co-Chair, Ciena**

- **Transport SDN Interoperability Demo Program:**
 - **Jonathan Sadler, OIF Technical Committee Vice Chair, Coriant**

- **Enabling Virtual Transport Network Service:**
 - **Vishnu Shukla, OIF Carrier Working Group Chair, Verizon**