

July 22-26, 2013



City Center Marriott
Portland, OR

Network and Network Services Management

Network Services Management (NSM) WG Panel

Moderators:

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Bhumip Khasnabish, ZTE (NSM WG Vice-Chair)

Disclaimer

- The information in this presentation represents a snapshot of work in progress within the DMTF.
- This information is subject to change. The Standard Specifications remain the normative reference for all information.
- For additional information, see the Distributed Management Task Force (DMTF) Web site.

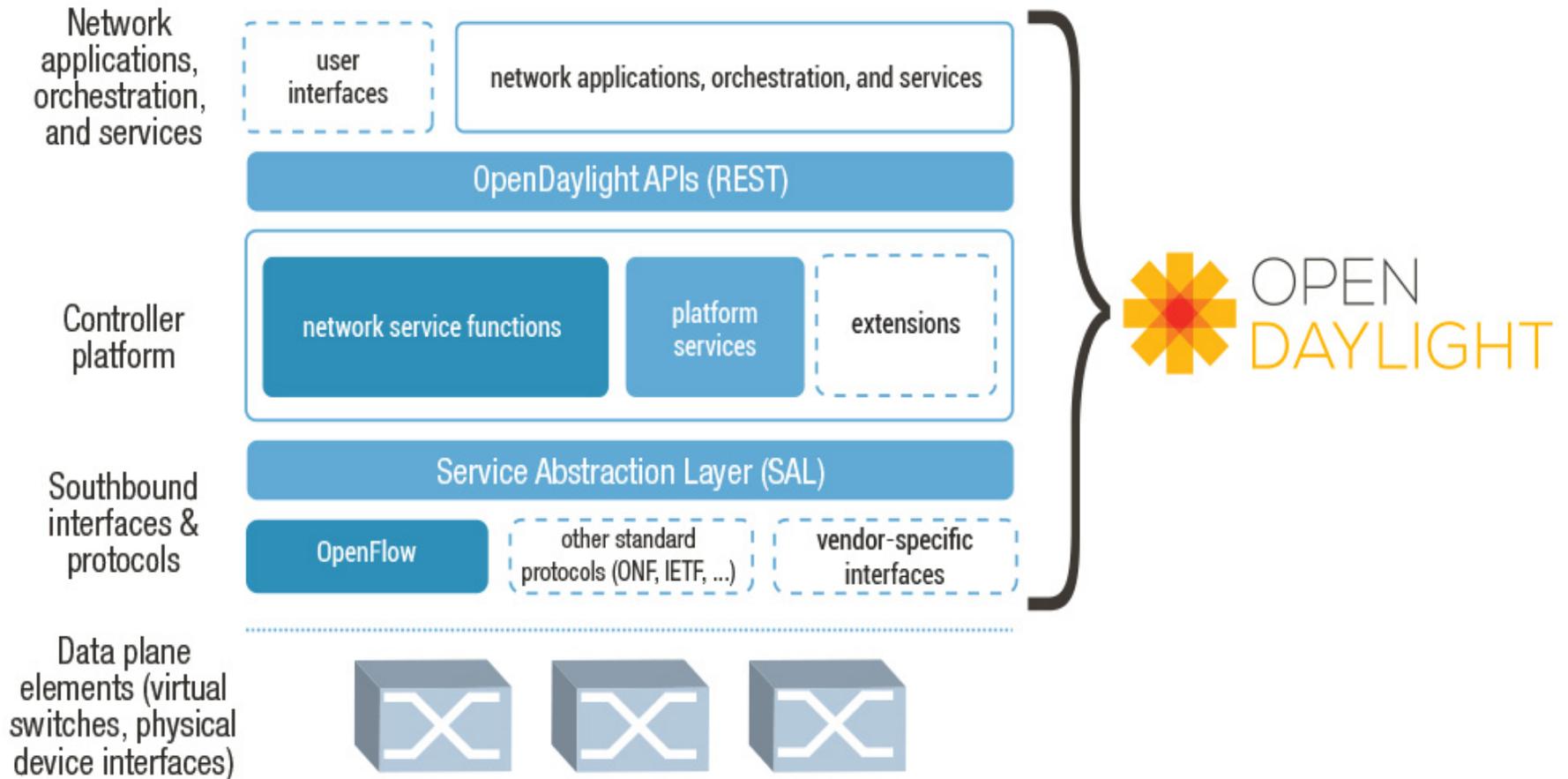




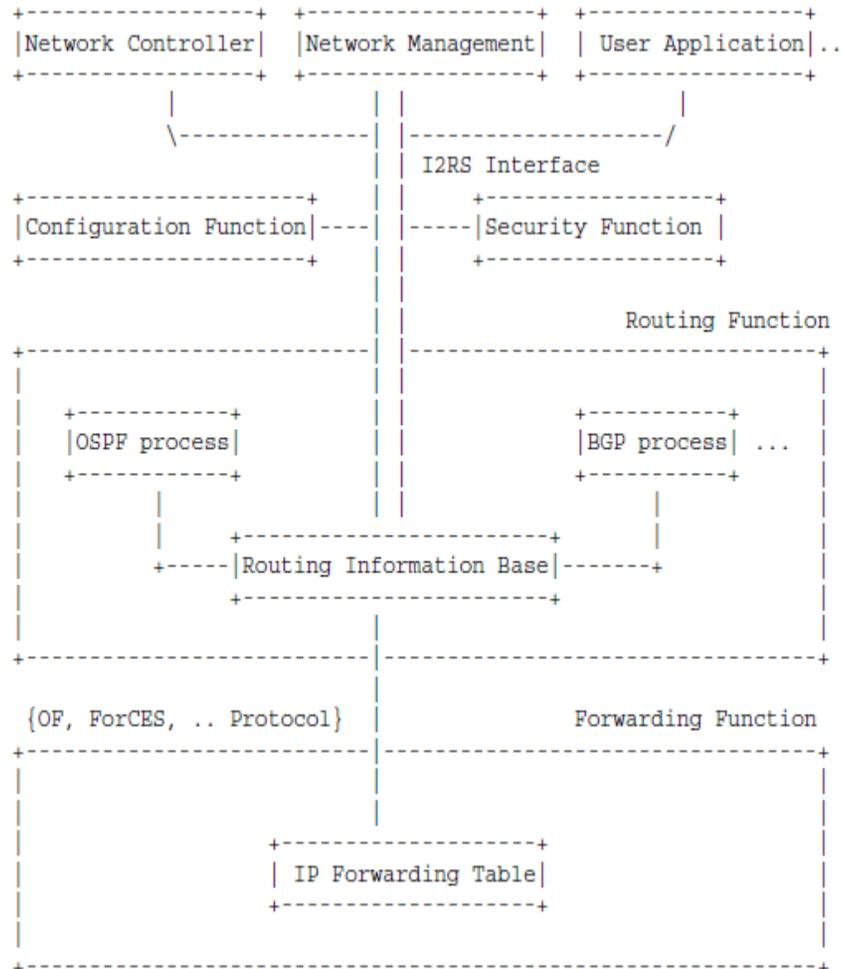
Synopsis and Outline

- Introduction
 - Network and Network Services Management trends in the industry
 - Network Management Use Cases
 - DMTF Network Services Management WG take on the problem
- Panel Discussion

Industry Trends: SDN and Open Daylight

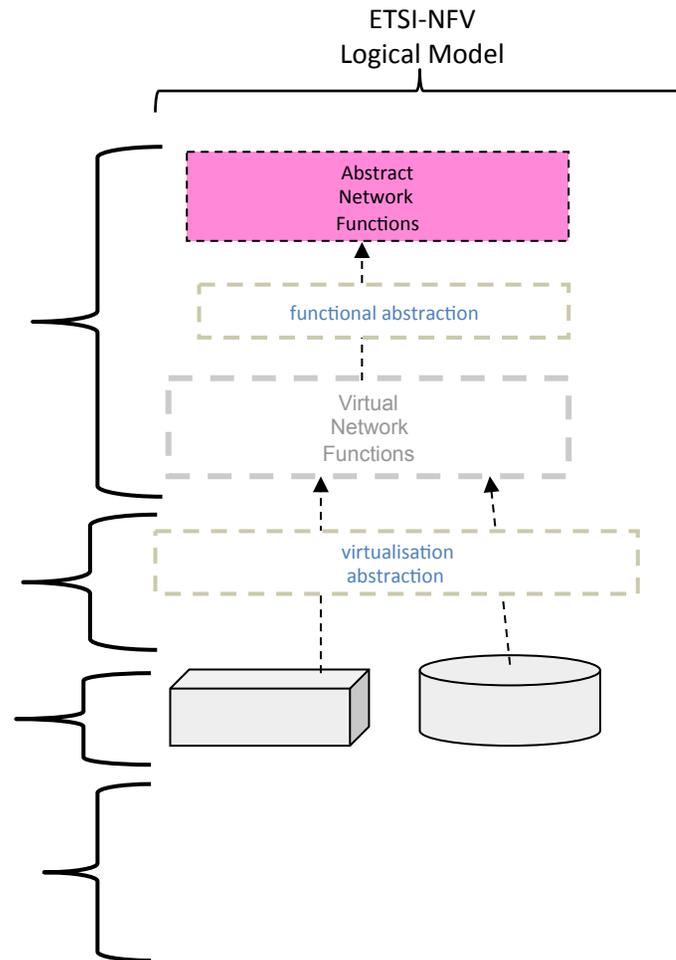


Industry Trends: IETF I2RS



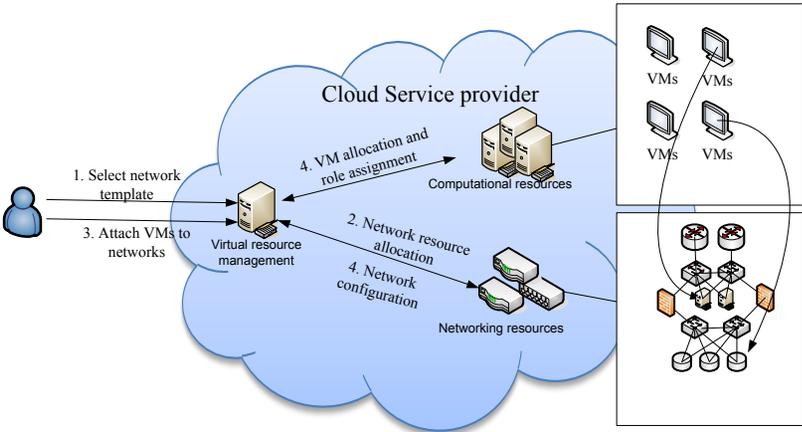
Work-In-Progress: <http://www.ietf.org/id/draft-liu-i2rs-architecture-01.txt>

Industry Trends: ETSI Network Function Virtualization

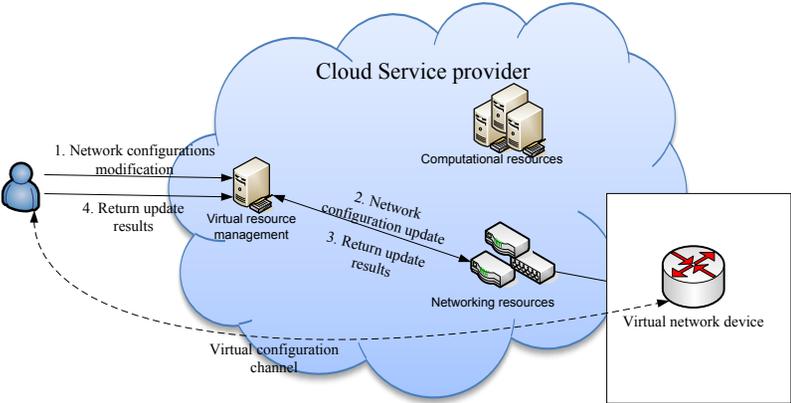


<http://portal.etsi.org/portal/server.pt/community/NFV/367>

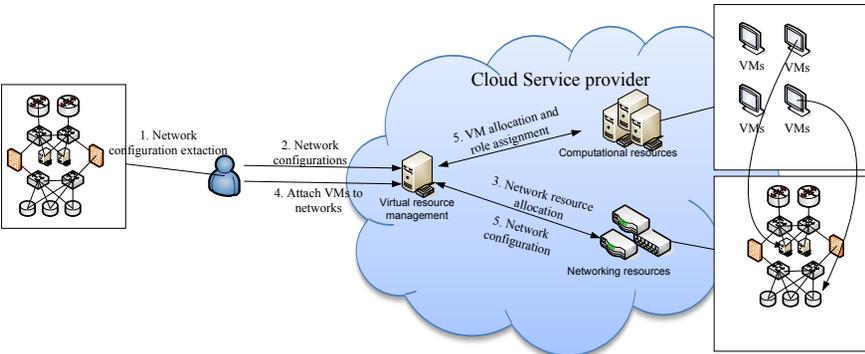
Example Network and Services Management Use Cases



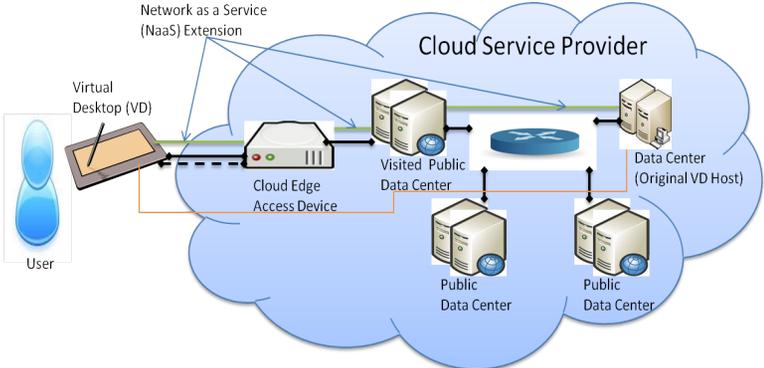
Pre-defined template-based network configuration



Network configuration modification



Network configuration based on existing physical network topology of user's data center



Location aware hosting of virtual desktop



NSM WG Current Work

DSP#	Title	DMTF Version	Technical Editor	Document Name	Completion Date
DSP1046	Network Services Management Profile	1.0.0	Shah/Zhdankin		Q3 2013
DSP1048	Network Policy Management Profile (abstract)	1.0.0	Shah/Zhdankin		Q3 2013
DSP1062	Network Policy Management – Access Control List Profile	1.0.0	Parchem		Q4 2013
DSP1063	Network Services Management – Layer 3 Interface Profile	1.0.0	Parchem		Q4 2013
DSP1064	Network Services Management – BGP Profile	1.0.0	Parchem		Q4 2013
DSP1065	Network Policy Management – Routing Profile	1.0.0	Parchem		Q4 2013
DSP1066	Network Services Management – Routing Service Profile	1.0.0	Parchem		Q4 2013
DSP2029	Joint DMTF TM Forum Cloud Management Paper	1.0.0	Zhdankin	DSP2029_1.0.0	Q2 2013
DSP2034	Network Services Management Use Cases White Paper	1.0.0	Khasnabish	DSP2034_1.0.0	Q2 2013
DSP2035	Network Policy Management White Paper	1.0.0	Shah		Q3 2013



NSM WG Future Work

DSP#	Title	DMTF Version	State	Technical Editor	Document Name	Start Date
	Network Policy Management – Firewall Profile			Neely		Q2 2013
	Network Policy Management – Load Balancer Profile			Neely		Q2 2013
	Network Policy Management – Quality of Service Profile			Zhdankin		Q2 2013
	Network Policy Management – Security Group Profile			Chu/Khasnabish (ZTE)		Q2 2013
	Network Services Management – DHCP Service Profile			Gu et al (ZTE)		Q2 2013
	Network Services Management – DNS Service Profile			Gu et al (ZTE)		Q2 2013

- Do you believe the NSM Work items support solving the Industry needs?
- Are we Missing Anything?
- What Should we do Differently ?
- Any Other Points?