

Orchestrated Virtualized Multivendor SD-WAN Services

POC 102

Description of PoC

Demonstrates the next innovation in SD-WAN, which accelerates the adoption of multi-vendor SD-WAN and value-added services through automated operations and a new digital user experience. Powered by a unified marketplace, self-service portal and NFV-based uCPE platform, MEF 70 compliant SD-WAN services from different vendors can be selected independently of the CPE hardware and seamlessly deployed with little-to-no intervention from the service provide or end-user. Through this new “digital user experience”, SD-WAN services are orchestrated, activated, assured and managed using zero touch provisioning and end-to-end service automation in alignment with MEF’s LSO framework.

SIGNIFICANCE

Service providers need to offer enterprise customers their choice of SD-WAN and VAS services from multiple vendors. However, current SD-WAN solutions are highly complex and time consuming to deploy and configure, requiring manual intervention from specialized engineers and significant BSS/OSS customization. Additionally, current solutions make it difficult for enterprises to change SD-WAN vendors in the future without “fork-lifting” the previous solution.

1

INSPIRATION

NTT Communications’ SD-WAN offering has more than 5 vendors deployed in multiple continents by different teams. The complexity of their offer motivated them to form this PoC group to unify and automate multiple vendor solutions (from Versa, Silver Peak and NEC) with a single orchestration platform from Netcracker, common uCPE platform and management from ADVA and offer a choice of MEF 70 services (validated by Spirent) through an intuitive portal from Netcracker.

2

NEAR FUTURE

Service providers will increase their ability to differentiate in the highly competitive SD-WAN market by offering their customers maximum freedom in choosing SD-WAN solutions anywhere in the world through an online marketplace whilst maximizing operations efficiency with service lifecycle automation.

3

WITHOUT THIS POC

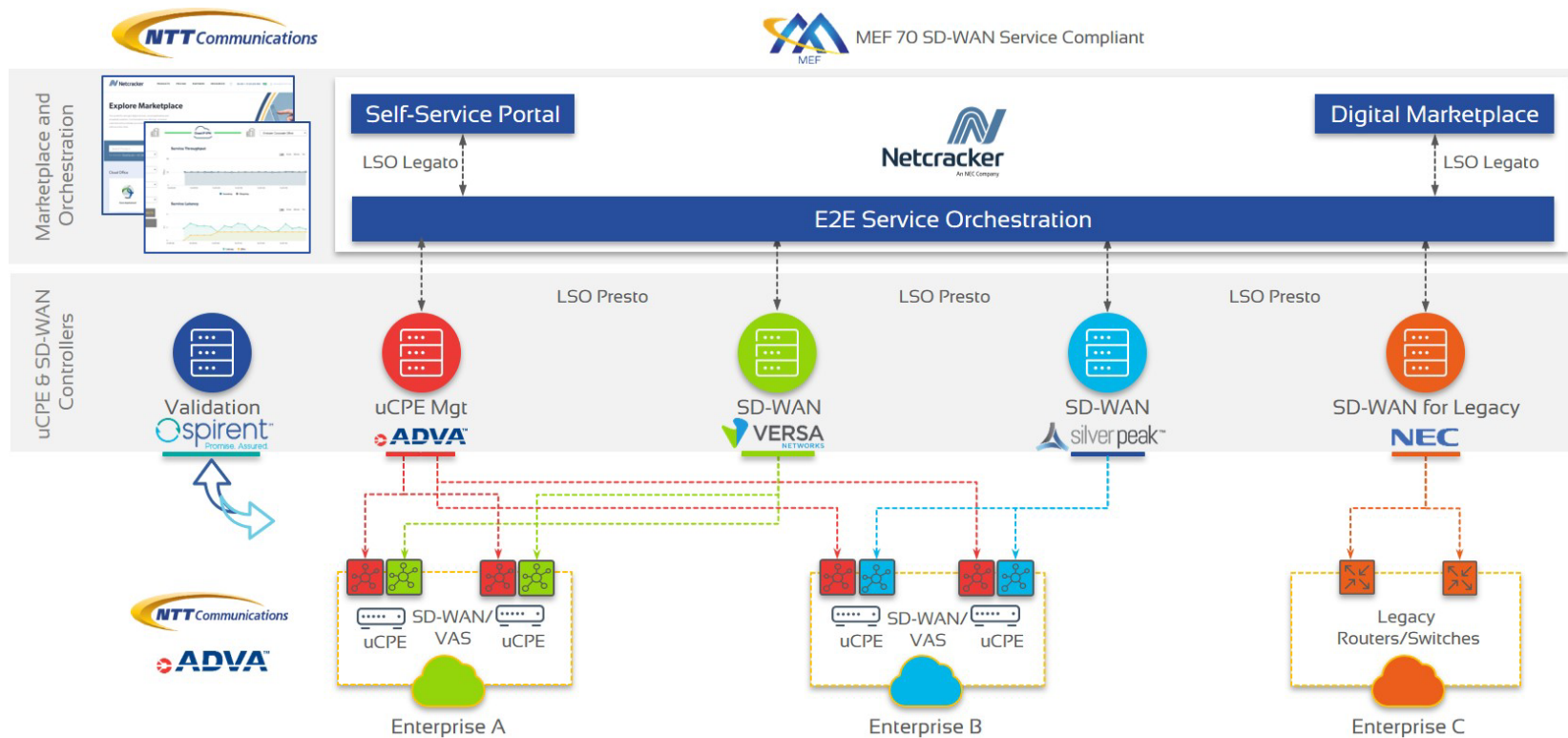
The managed SD-WAN services market will grow far more slowly hampered by fragmentation, operational complexity and the inability to meet the rapidly changing needs of enterprises.

4

ACTION NEEDED

SD-WAN vendors need to achieve MEF 70 compliance and provide LSO Presto enabled north bound interfaces on their SD-WAN controllers, implementing MEF’s Service Model (MSM) for SD-WAN. Orchestration vendors need to provide LSO Presto southbound interfaces and LSO Legato northbound to BSS systems.

Participating organizations



MEF 3.0 Topic Areas

	Multivendor SD-WAN	Orchestration Automation	Assurance Automation	Digital User Experience	Multivendor VAS
MEF 70	✓	✓		✓	
LSO Legato	✓	✓	✓	✓	✓
LSO Presto	✓	✓	✓		✓
MEF 90			✓		
IETF Yang Models	✓	✓	✓		
ETSI NFV SOL005		✓	✓		✓

