4.21.20 – VMware Telco Community Webinar

VMware Telco Cloud Solutions and Architecture

Q&A Summary

Question	Answer
how many TELCO's are running a Private Cloud environment based on vCloud Director using the vCAN licensing model	There are over 100 operators (CSPs) delivering cloud services as part of the VCPP (vCAN) program. This are typically not used to host network functions today.
Time to deploy reduced in comparison to what? For Vodafone	The figure quoted (40% more quickly) relates to the time taken to deploy VNFs on the VMware-based NFVI vs deploying similar functions in traditional appliance-based architectures. See Press Release
What kind of Edge Device is required and how it will be integrated with the multi vendors scenario?	For provider edge, the assumption is a generic x86 device (or SD-WAN appliance)
From Yash Jethani to All panelists : hi, Need to know the security aspect when you spoke about multi-cloud environment - how do you incorporate and manage security posture of a Telco cloud? Also, is VMWare Telco Cloud only meant for Tier-1 operators (Vodafone - like ones) or specific tiers/geographies? Thank you.	The answer to the first part of this question is complex. A technical secuirity paper, specific to the CSP use case, is due to be release in the late Spring 2020. VMware Telco cloud is deployed in a range of CSPs including National and Global carriers.

Hatem Abdelkader 10:39 AM
Can you talk about availbale resources on how to consume your Telco Cloud offerings in terms of: trainning (online and physical), SP use cases, pre-built service examples, etc.?
	VMware's Telco Cloud solutions are comprised of a range of VMware technologies that have their own training programs in the VMware My Learn portal https://www.vmware.com/education-services/training.html
	
	There are Telco Cloud-specific courses listed below and focused on the NFVI framework compnents and VIMs: vCloud Director and VMware Integrated OpenStack. Some courses may be chargable.
	
	    VMware vCloud NFV Foundations with vCloud Director [V8.x]
	
	    VMware vCloud NFV with vCloud Director [V9.7] (ICM)

	  During 2020 the following courses are oplanned for release • VMware Integrated OpenStack Install, Configure Manage 7.0 • VMware TCO Fundamentals • VMware TCO Install, Configure Manage
Akim Ziadi Cloud Native application have some requirement like NFD "Node function discovery". Some of them use function like Intel networking fonction not include in the configuration. How VMware deal with that	Telco Cloud Automation discovers automatically and continuously the configuration/profile of each cloud infrastructure (VIM or VIM-Less/K8S).based on the discovery the system tag each pool of resources with the exact available underline HW functionalities. This automatic and manual tags ensures that the network function descriptor/requirements match the cloud profile and resources for optimal placement and avoid retries.
Akim Ziadi Are you following OSM or ONAP STD	Yes, in a similar way to both OSM and ONAP Telco Cloud Automation follows ETSI standards (IFA/SOL). VMware and ONAP also embraced the ETSI TOSCA templating, which allows VMware Telco Cloud Automation to incorporate ONAP SDC SOL001 descriptors outputs. In addition, VMware Telco Cloud Automation can link to the ONAP SO using SOL005 API along with embracing dedicated TMF APIs to update the ONAP AA&I and FM/PM repositories
Akim Ziadi Is VMwart smart assurant rely on VRops are they different product ?	VMware Smart Assurance does not rely on vROps. They are two separate, but complementary products. Smart Assurance is focused on the cross-tier correlation between all layers of the network and multiple heterogenous systems, including the physical, virtual and services layers. The vROps Management Pack for Smart Assurance provides for the integration between both solutions.
Abel Araujo 10:33 AM how do you maintain the consistency? if some one of the members of this ecosystem made changes hoe it is propagate?	Telco Cloud Automation version is aligned with vCloud NFV and TKG version releases. In regards to VNF/CNF the Ready for NFV program allows certification on Telco Cloud Automation specific versions. It also maintains a CI/CD pipeline to allow our

	partners to push and maintain their packages along with multiple package versions to allow upgrade framework.
palash bose 10:36 AM What about Workflow Automation in the Orchestration and DCAE?	Telco Cloud Automation supports auto-operation engine to allow integration with many analytics tools to trigger workflow automatically based on a described criteria.
Pradeep Kumar R 10:36 AM Hello Misbah, Can we use VMware Telco cloud orchestration with existing Vcloud /Openstack/ Traditional Setups & Containerization.	Yes, Telco Cloud Automation supports vCD, VIO, and Tanzu Kubernetes Grid currently.
Bill Lambertson 10:39 AM How is the workflow for Day 1 and Day 2 operations defined ? Is it BPMN compliant ?	Telco Cloud Automation supports two levels of workflows, the ones that are defined as part of the ETSI SOL001 standard and built in to our system and the custom workflows that can be defined and initiated with interfaces to external tools such as VMware vRealize Orchestrator or Ansible Tower.
Abel Araujo 10:46 AM smart assurance is a separate product? or is part of a suite?	VMware Smart Assurance is a separate product. It is part of our Telco Cloud portfolio, but can be sold and deployed separately.