POC Participants

- VMware: VMware Integrated Openstack and NSX, vRealize Operations Manager
- RIFT.io: OSM Components
- Fortinet: Fortigate Firewall
- DataArt: (Integration Support)

- Additional Software used: ffmpeg, vyatta router, ixia traffic sim
Logical Topology

Management Cluster
- VMware Integrated OpenStack
- vCloud NFV

Core Data Center

Resource Cluster
- NSX DLR
- NSX Edge
- ixia
- vRouter

MDC 1 Cluster
- MDC 1 Cluster
- openstack
- ixia
- vRouter
- sGW
- Video Encoder
- NSX DLR
- NSX Edge

MDC 2 Cluster
- MDC 2 Cluster
- openstack
- ixia
- vRouter
- VNF

vCloud NFV
NSX Fabric
NSX Fabric
NSX Fabric
NSX DLR
NSX Edge
VNF
Part 1: Configuring Network To Deploy Multiple Data Centers

- Configure Virtual Infrastructure Manager (VMware Integrated OpenStack) in OSM
- Configure compute & network availability zones in VMware Integrated OpenStack for the Core Data Center and Micro Data Centers
Part 2: Deploy SD-WAN Services

- Deployment of vRouter VNF via OSM
- Configure and deploy VPN tunnels between the Core Data Center and Edge Data Centers
- Provision resources for VNF within VMware Integrated OpenStack
Part 3: Deploy Dynamic Video Transcoding at the Edge

- Deployment of Video Transcoding VNF IN vRAN via OSM
- Provision resources for VNF within VMware Integrated OpenStack
Part 4: Simulated vRan with sGW at Edge

- Deployment of Fortigate sGW VNF in a vRAN via OSM
- Provision resources for VNF within VMware Integrated OpenStack
- Deploy VNF at Edge Data Center
- Apply and modify security policies for Edge Data Center
Part 5: Operational Intelligence with vROPs

- vRealize Operations Manager
- vRealize LI
- vRealize NI
Questions