**MULTI DOMAIN SERVICE ORCHESTRATION**
for a Networking Equipment Supplier

**OVERVIEW**
Client is a $3 billion USA based Global Supplier of Telecommunications Networking Equipment, software, and services

- Provide End-to-End Service Automation and Orchestration across multiple technologies (physical and virtual) and vendor eco system
- Integrate Legacy network system and multi vendor products for Service function chaining
**SOLUTIONS OVERVIEW**

- **OSS/BSS**
- **Open APIs**
- **Multi-Domain Service Orchestration**
  - MCP
  - NFVO
  - ONOS
  - 3rd Party Domain Controller
- **NHP**
- **Analytics**
  - On-premise Data Center
  - Career Network
  - NFv Cloud
  - Cord
  - Any Physical Virtual Network
  - Public Clouds
  - Private Cloud

**Development of Resource Adaptors (RA) for MDSO**
- Juniper RA
- vCenter RA
- One Control RA
- eMOTR RA
- Nuage RA
- OpenStack RA

**Resource Adaptors (RA) for virtual Multi Service Provider (vMSP)**
- AWS RA
- DCC RA
- OpenStack RA
- XO Network simulator
- ONAP adaptor
HIGHLIGHTS

- Python, REST, Jinja, Docker
- Open stack platform for deploying virtual firewall for individual tenants at the edge of the virtual network
- VMWare Vcenter for virtual work load management and orchestration
- Federated cloud network service across XO and AWS networks
- MDSO Orchestration for configuration and provisioning of customer resources such as AWS Virtual Private Cloud (VPC), Virtual Gateway (VGW), and Virtual Interface
- Layer 2 service across XO customer VRF

OUTCOMES

- Single self-service portal, with on-demand connectivity and end-to-end service visibility to multiple clouds and cloud providers from any location
- Integrates with third-party SDN Controllers, element/network management systems, and cloud management platforms
- Modular and programmable structure supports control of multiple technologically diverse domains like cloud, multi-layer WAN, NFV, and IP/MPLS