

EDGE CLOUD ORCHESTRATION AND MANAGEMENT- EDGE COMPUTING ENGAGEMENT

A **\$130bn**
Telecommunication
service provider

Overview

The customer is a US-based 130 billion-dollar multinational telecommunication service provider. They wanted a new solution approach to maximize the utilization of NFVi. Being a preferred partner, customer has awarded the project to ACL.

Challenges

- Increase in number of network functions per rack unit due to introduction of containerized micro services.
- Increased VPN service operational expense for small and medium business customer.

Solution

- Kubernetes control plane orchestration for NFVI management.
- Built Multi cluster environment using Calico for networking
- Configured VPN tunnels between DC Node and Branch office Edge Node
- VXLAN over VPN for AWS connectivity.
- Enabled traffic steering of 5G application POD
- API calls to access data from Prometheus
- ELK instances for Data collection and management

Outcomes

60%

TCO Reduction by introducing containerized micro services

40%

Reduction in VPN service operations for SMB