

DEPLOYMENT AND ORCHESTRATION OF VEPG FOR 5G NETWORK

A **\$7bn**
Network
Equipment
Manufacturer

Overview

Customer is a \$7bn Swedish multinational networking and telecommunications Service provider. As the users are expecting high speed and uninterrupted mobile services, Customer wanted to virtualize EPG platform for higher performance.

Challenges

- Mobile users are expecting high speed, always available network.
- Performance optimization and orchestration layer would be required for better end-user experience.

Solution

- **Build:** development module in bcat(box & cloud automation tools). Ingress optimization for uplink and downlink traffic in vepg. Backend development and enablement of cnio for virtio. Backend database development for stateless, resilient epg/pcg user plane application
- **Deploy:** deployment of fully redundant vepg. Orchestration, deployment and system tests development of test cases on vepg. Deployment & verification of pcg (containerized solution, packet core gateway)

Outcomes

90%
Increase in user experience and Operational flexibility

80%
Faster deployment of vEPG in a fully redundant environment