

# Carrier Case Study

A carrier developing a new global network required on-demand connectivity with real-time provisioning and customer self-service portal.

## Activeport SDN Solution

With Activeport's multi-vendor orchestration solution as a core component, the carrier built a Network-as-a-Service (NaaS) platform. This platform allows enterprises to easily manage their network infrastructure and securely deploy a high-availability network in minutes with guaranteed 100% uptime.



ORACLE



NOKIA



Scoping: 5 days

Development: 90 days

Implementation: 10 days



### DC to DC

Using Activeports DC-to-DC solution, virtual point-to-point provisioning with Nokia and Juniper was seamlessly automated.

#### Use cases:

- VLANS & Interfaces
- VPLS
- Network performance, SLA reports, Real-Time link status



### OSS & BSS Orchestration

#### Inventory with Nokia NSP

Activeport is the source of truth when integrating with Nokia's inventory to: validate current status of ports, creation of link aggregation groups (LAG) and adding ports to the LAG.

#### Use cases:

- Service discovery
- Creation of LAG
- Adding ports to LAG





## Cloud On-Ramp

Activeport enabled the provisioning of layer 2 links between the physical customer network & cloud providers.

### Routing use cases:

- Layer 3 – BGP config & peering
- Layer 2 – VLANS, Interfaces, VPLS
- IPAM Mapping

### Cloud provider integrations:

- Azure Express Route – direct and partner
- AWS Direct Connect – Hosted VI & Hosted connection
- Oracle – Fast Connect
- Google Cloud Platform – direct & partner interconnect




## Cloud Router

Using Activeport's Cloud Router solution, all the public clouds were linked together using the customer's private network. Connecting Azure, AWS, Oracle & Google.

### Routing use cases:

- Layer 3 – BGP config & peering
- Layer 2 – VLANS & Interfaces, VPLS
- IPAM Mapping



## Planned Developments

### Cisco NSO

Offering a Cisco alternative in addition to the existing NOKIA & Juniper. Building on existing development, Activeport's architecture enables new providers to be easily added with minimal effort.

### Use cases:

- Layer 2 – VLANS, Interfaces & VPLS
- Layer 3 – BGP config & peering
- Network performance, SLA reports, Real-Time link status



### Console Connect

Activeport has extensive orchestration capabilities with Console Connect, the customer has requested integration via API to extend their network footprint.

### Use cases:

- Provisioning a Port
- Adding a Layer 2 connection

