# Telco scenario

*An Edge cloud solution for Telecom*

## At a glance

The customer has Wireless 5G operations in Latin America and Eastern Europe. Providing state-of-the-art communication solutions accelerating the development of countries where they operate.

## Key metrics

Below metrics tell something about the size and scale of the business.

**10**
Serving 10 mayor markets

**300M**
300 million subscribers

## CHALLENGES ⌄

- Modernize OSS and service applications to handle 5G requirements and protocols
- Meet new compliance requirements and regulations
- Move away from application deployed by market to applications that cover all the markets.
- Shared infrastructure vs application specific infrastructure

## SOLUTION ⌄

Deploy Private cloud to test and deploy new OSS and services applications to service current markets.
We have executed two waves to achieve today's capacity status.

The private cloud has two locations using 3 G8s with the following capacity: 14,500 vCPUs, 30TB of Memory, and 2PB storage.

Applications deployed inside Kubernetes clusters, the largest one of them consuming 2/5 of the available capacity, but also in traditional VMs in both Linux (many flavors) and Windows.

## BENEFITS ⌄

**1**
### Reduced provisioning
Reduce by 95% the time to provision infrastructure need to test and deploy new applications.

**2**
### Reliability
Increase reliability of legacy applications enabling HA.

**3**
### Reduce capex
Reduce Capex and support costs.

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