

Change the way Networks are Deployed

Biggest technology revolution

SDN NFV

Change the Business
Model of Telecom

CLOUD

11:11

TELCO NETWORK

Change the way
Consumers are enabling
services on the fly

Innovate more Quickly

No Dedicated Hardware

Shared Resources

Convenient Access from anywhere

Rapid Expansions & Elasticity

On-Demand Network Access Offered as Networks, servers, storage, App and services



What is Cloud?

Why Cloud is necessary for Telcos?

Demystifying Cloud :-

NFV

• SDN

Hypervisor Vs Container

Why Cloud Network are required in Telecom?

Traditional Networks



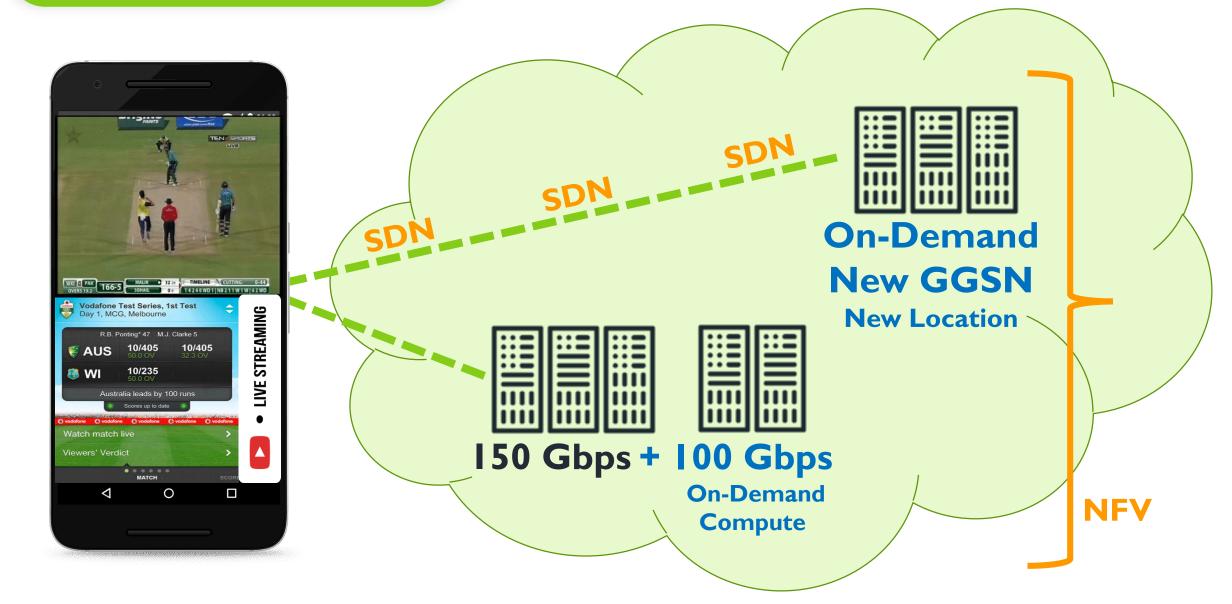






Fix Capacity: Example 150 Gbps

Cloud Network?



Why Telco Cloud?

Lack of Scalability

- Problem with Scale In / Scale Out
 - Uncontrolled and unpredictable traffic explosion (Matches, Events)

Lack of Adaptation

- Challenges with
 - New Technology (4.5G / 5G / IOT), New Functionality (New Links Interface),
 New Business Model

Lack of Flexibility

- Uneven Utilization (Congestion leads to Poor Customer experience)
- High Cost (AMC of Multiple Nodes, TCO is high due to utilization)

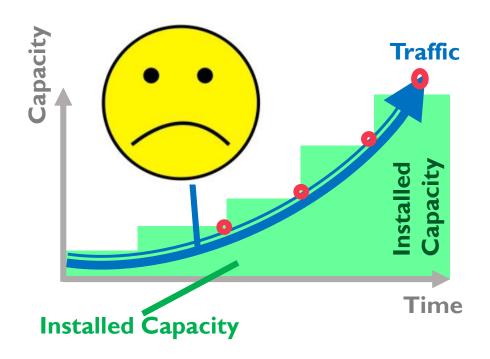
Lack of Speed

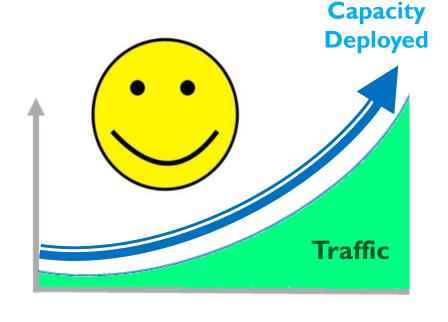
- Slow to Change & Innovate (Feature Parity between Vendors)
- Time to Market for new services is High
- Dynamic Requirements can't be met such as Regulatory & Business etc..



Traditional Network

Get Right Capacity at Right time





Traditional Network

Demand either leads or lags the installed capacity

Average Util: 60%

Cloud Network

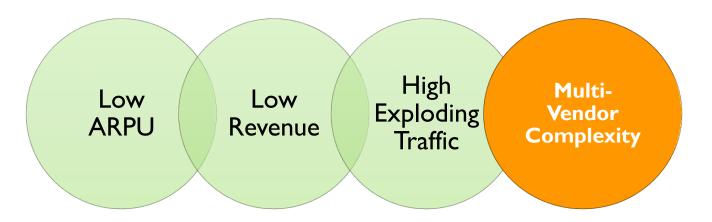
Get Right Capacity at Right time

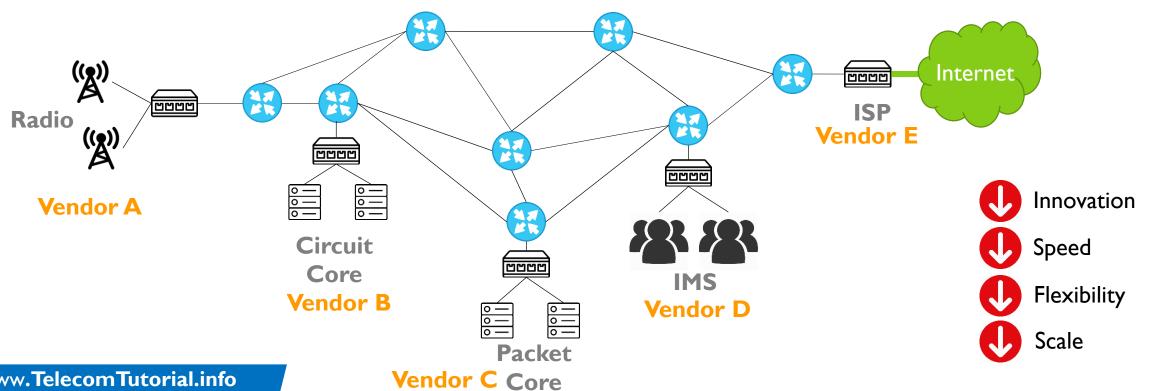
Average Util: 85%

Why Telco Cloud?

Traditional Network

Vendor Specific Deployment Purpose Built dedicated hardware





How Telco Cloud Helps?

Cost Reduction & Uptime

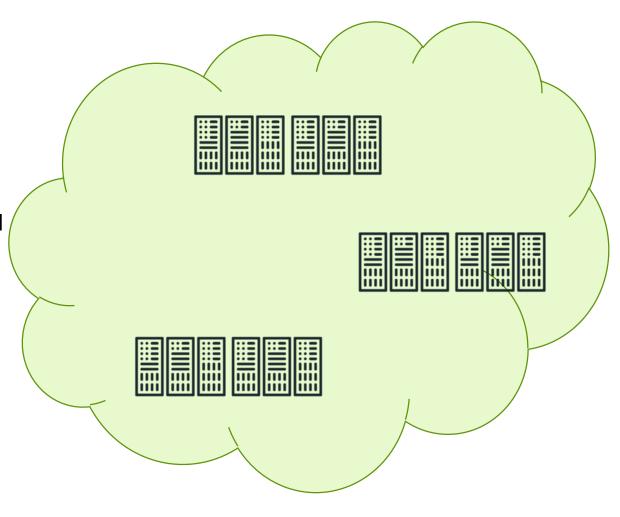
- Better Utilization of Resources, Max Re-Use
- Avoid Vendor Lock-in
 - Better Network Management will reduce OPEX
 - improve TCO through centralization, automation and efficiency
 - Better Uptime with Standardized Hardware

Network Flexibility

- Scale Service UP & Down Quickly
 - On Demand Network Resources

Ease of Business

- Ability to respond quickly to customer Demands,
 Create New Services on the fly
- Rapid Deployment of New Services
- Innovations are Welcome



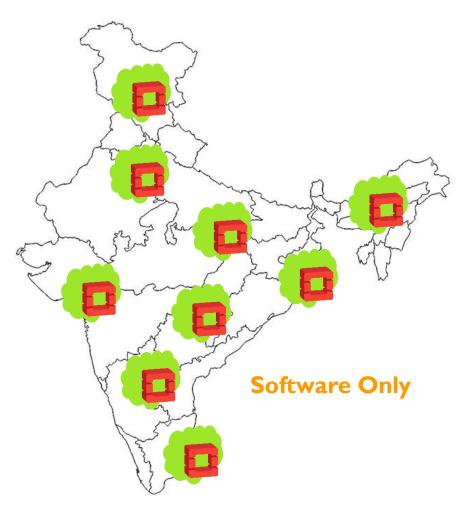
Telco Cloud

Highly programmable & Automated Networks
Competitive with OTTs on Agility

Solution ..

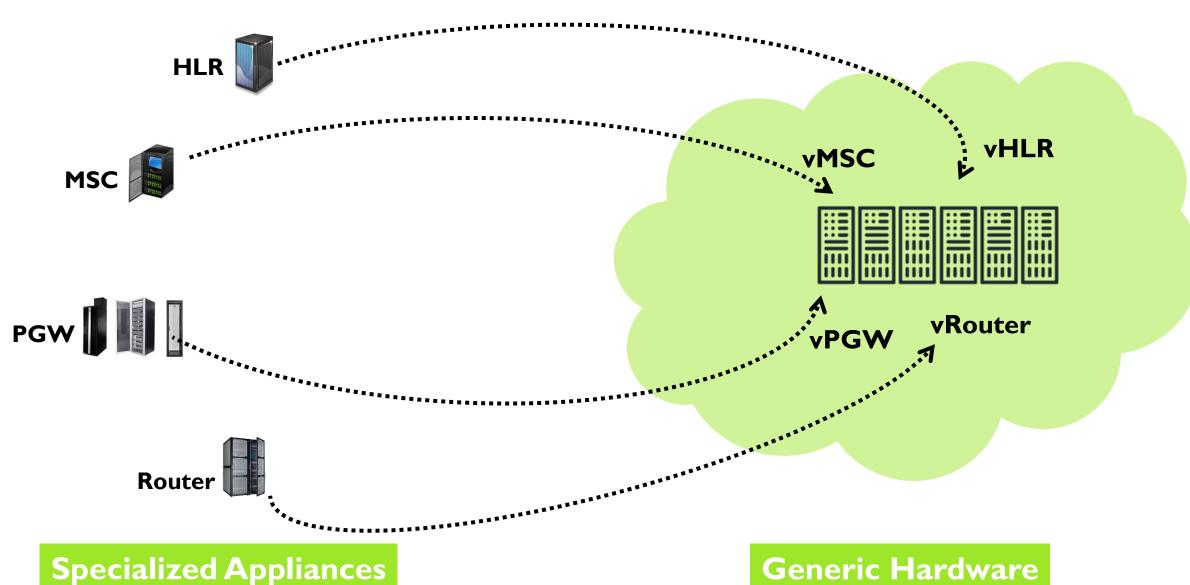


Specialized Appliances



Generic Hardware

Solution ..



Generic Hardware





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 - SDN
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