

# **NANC**

NetOps.ai & AWS powered Network Cloud for Telcos and MVNOs

# **Current SDN/NFV Implementation Challenges?**

- Almost All Operators have tried NFV in one form or other and are struggling!
- > 90% transformations have been implemented as vertical stacks
- Operators have yet to realize their business objectives of Cost, Speed and Quality
- Efforts to increase velocity introducing compromise in Quality and Costs

# Struggle Factors

Non-Cloud Native VNFs

Inefficient Infra Capacity Utilization

**Poor Orchestration & Automation** 

Difficult Staff Upskilling

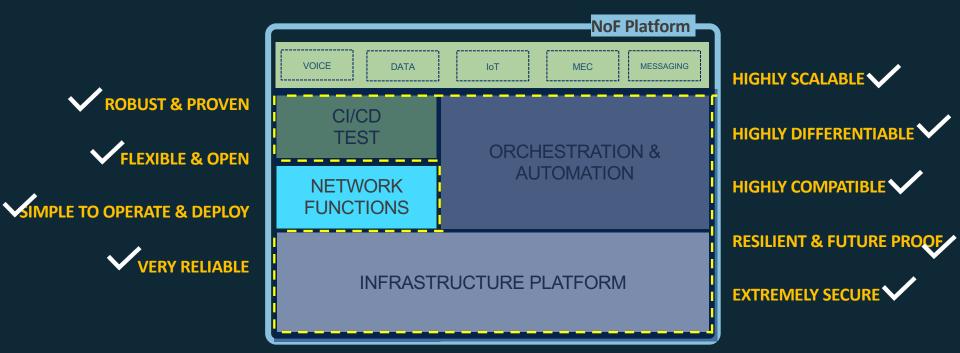
Old Operating Model

High TCO

Vendor Lock In



# **Networks Of Future - Design Tenets**

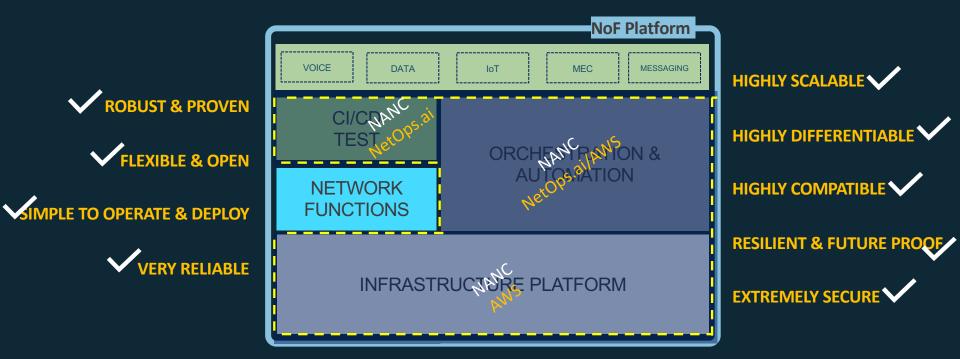




A NEW BREED of infrastructure platform and automation/orchestration solution that makes the relevance of HW and Infra much less than what it is presently, an XaaS solution that has already achieved most, if not all, design tenets and instills confidence in the overall network transformation.



# NANC: Addresses ALL NoF Design Tenets





#### What is NANC?

- NANC is the result of a strategic partnership between Amazon Web Services (AWS) and Tech Mahindra (TM)
- It offers a "Fully Integrated" and "Operationally Ready" Public and Private Cloud Platform for Telco Networks of Future
- Primarily Focused on RAPID 5G rollout
- Fully Managed E2E Solution; Zero CAPEX, Low OPEX

# **Customer Value**

**Lowest TCO** 

**Faster Time to Market** 

Highly Efficient & Secure

Ultra Reliable

### Differentiation

World's First Public Telco Cloud

Offering

**OEM Vendor Agnostic** 



#### NANC – Target Market

- 1. NANC has been designed to suit all types of Operators ranging from Greenfield to Brownfield MNOs. An Operator who has both PNFs and VNFs already deployed in production and is now looking for a unified cloud platform strategy for both their Network and IT workloads and not wanting to go through another set of "trials"!
- 2. An Operator who is yet to realize their business objectives due to high CAPEX and OPEX costs along with slow speed of change
- 3. An Operator looking to leapfrog complexities of "seemingly next steps" of k8s on bare-metal!



#### **NANC Components**



#### NANC Advantage

**LOWEST TCO** 

"Unheard of" Short
Time to Market

No Need for Expensive Hardware Re-fresh

Hugely Better Utilization Rates

Much More Secure than Private Clouds

Single Pane of Glass View

**Web Scale Operations** 

~ working towards 1:8000 VMs Scale



#### Tech Mahindra NetOps.ai

"TechMahindra NetOps.ai implements an Operations Cockpit for Networks of Future. It utilizes advanced techniques to handle incidents/problems both automatically (AutoPilot mode) or manually with in-built SOPs/Workflows. NetOps.ai is also a one stop-shop for enabling multi domain and Hybrid (Infra, RAN, Core, PaaS) hyper automation for Network Deployment, Continuous Integration, Continuous Deployment, Continuous Test, Network Assurance and Al based Operations"



# netOps.ai: Designed with Customer Business Objectives in mind



#### Development Time

Duration from feature requests until RFA





#### Release Cycle

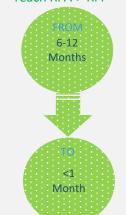
Combined Network Functions, Infra and tools Release Cycle





#### **SW Quality**

# of Change delivery attempts required to reach RFA-> RFP





# Integration & Validation

Duration of Systems integration and validation in Lab

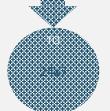




Usable Working Hours

Requirement of a latenight maintenance window







# Tech Mahindra

