

# Reliance Jio

Lightning Up

The Digital Services Ecosystem In India

Presenter:

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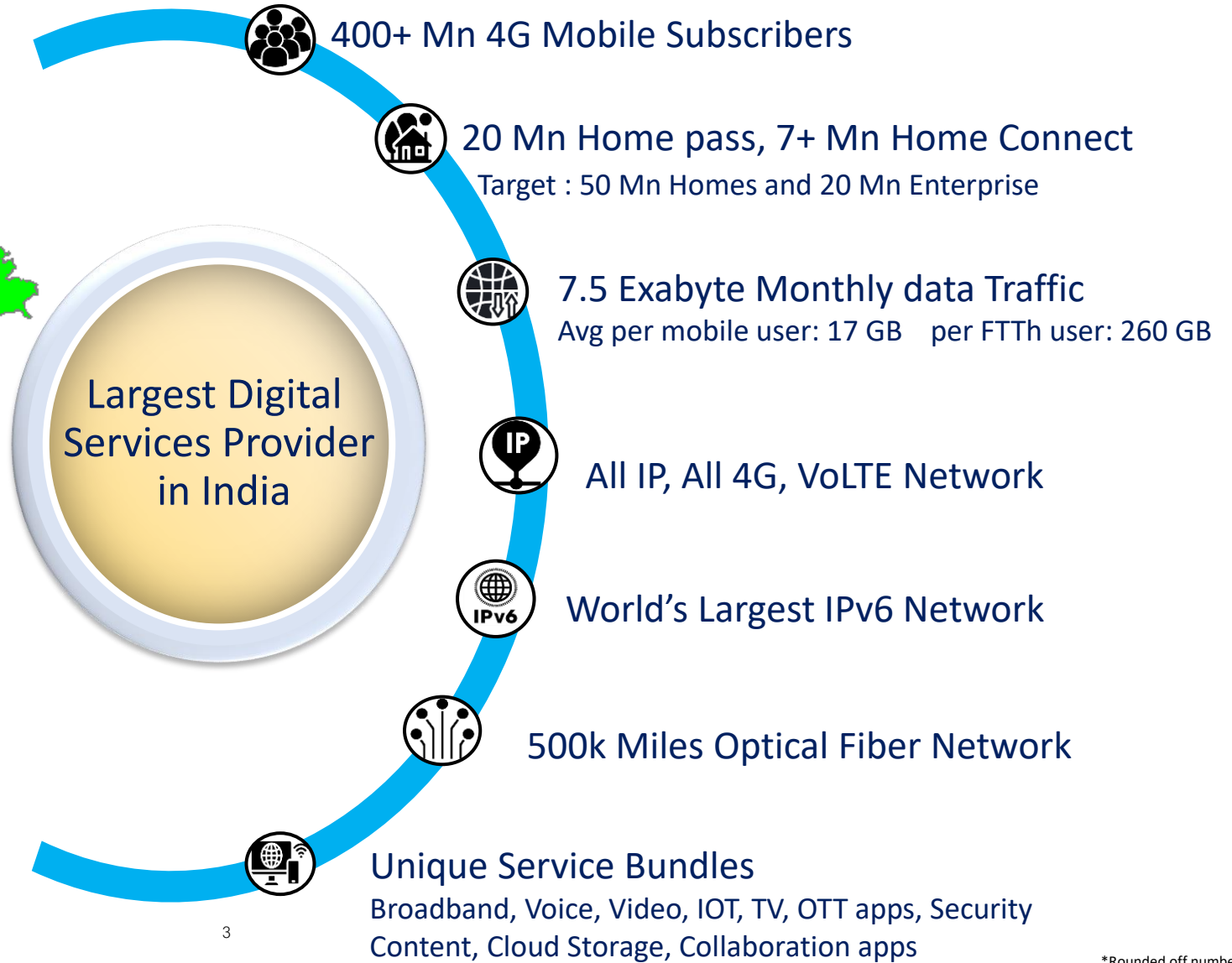
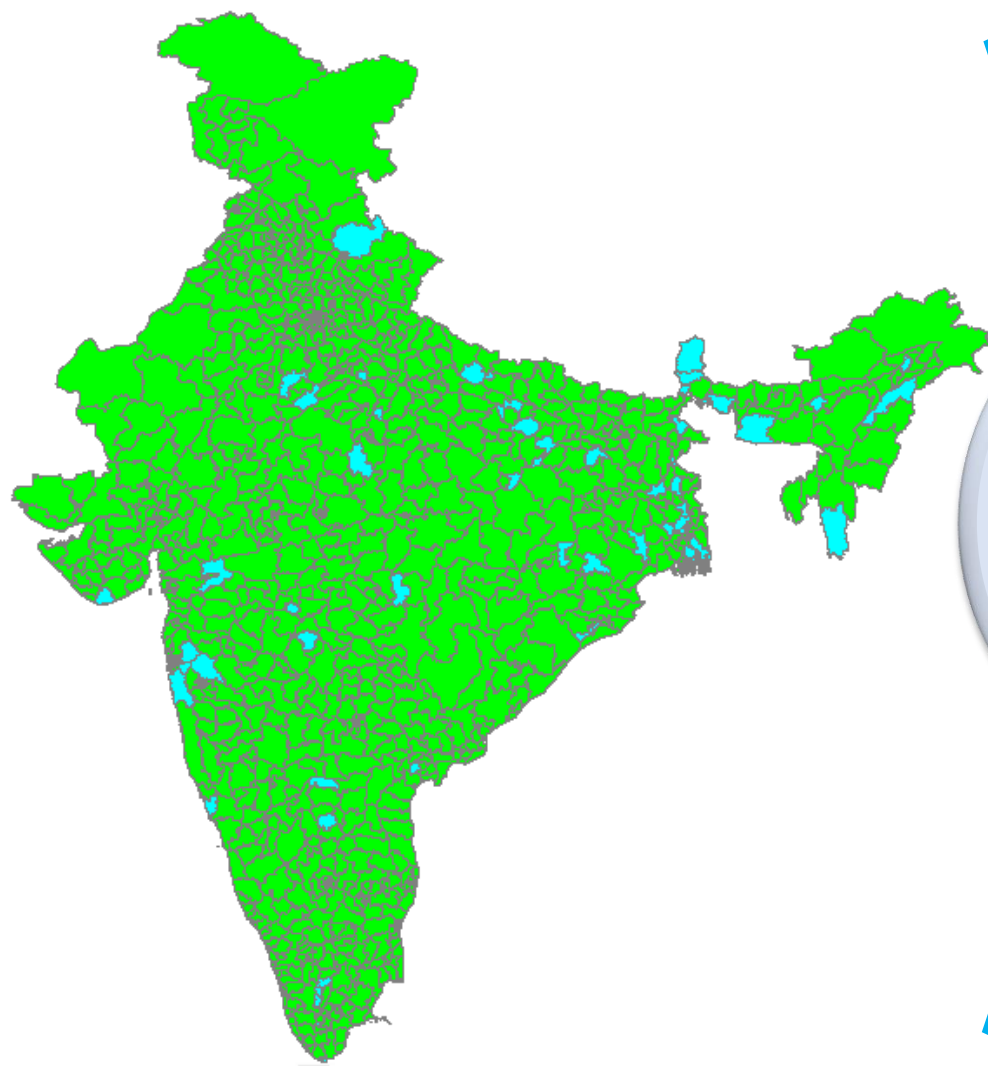
20<sup>th</sup> May-2022



# Agenda













1. Reliance Jio-Overview
  2. Drivers for Network Transformation and Key Principles
  3. Jio Fixed Line Network Evolution Approach
  4. SDPON Architecture
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# Reliance Jio : A Catalyst for India's Digital Transformation















# Drivers for Network Transformation

## Demand from Consumer and Digital Society

 AR/VR	 Metaverse	 Web 3.0	 Smart Homes
 E-education	 Online Gaming	 UHD Content	 Digital Banking
 Wearables	 Healthcare	 OTT/On-Demand Content	 E-Commerce

## Demand from Business and Industry

 Connected Transport	 Drone Surveillance	 Industry 4.0	 Industrial Robotics
 E-Sports	 Smart Grids	 Private Network	 IoT Ecosystem
 Smart Cities	 Digital Transformation	 E-Governance	 Global Collaboration

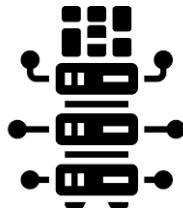
Gaming, VR/MR, New Devices/Gears, Apps, Drones, Robots will continue to drive the Network Usage

Need of Flexible, Programmable Multivendor network to meet customer demands with minimum Capex, Opex

# Key Principles of Network Transformation

## 1. Disaggregation

- Prefer Merchant Silicon based hardware
- Manage Co-existence of Blackbox & Whitebox
- Reduce Number of SKUs



## 2. Cloud native Software Centric Platforms

- Microservices based, cloud Infra agnostic Software Architecture which is scalable and elastic
- Adopt open platforms and open interfaces as much as possible



## 3. Convergence of User plane and Centralization of Control Plane

- TCO based decision making
- Distribute and Converged User plane
- Transition towards centralized Control plane



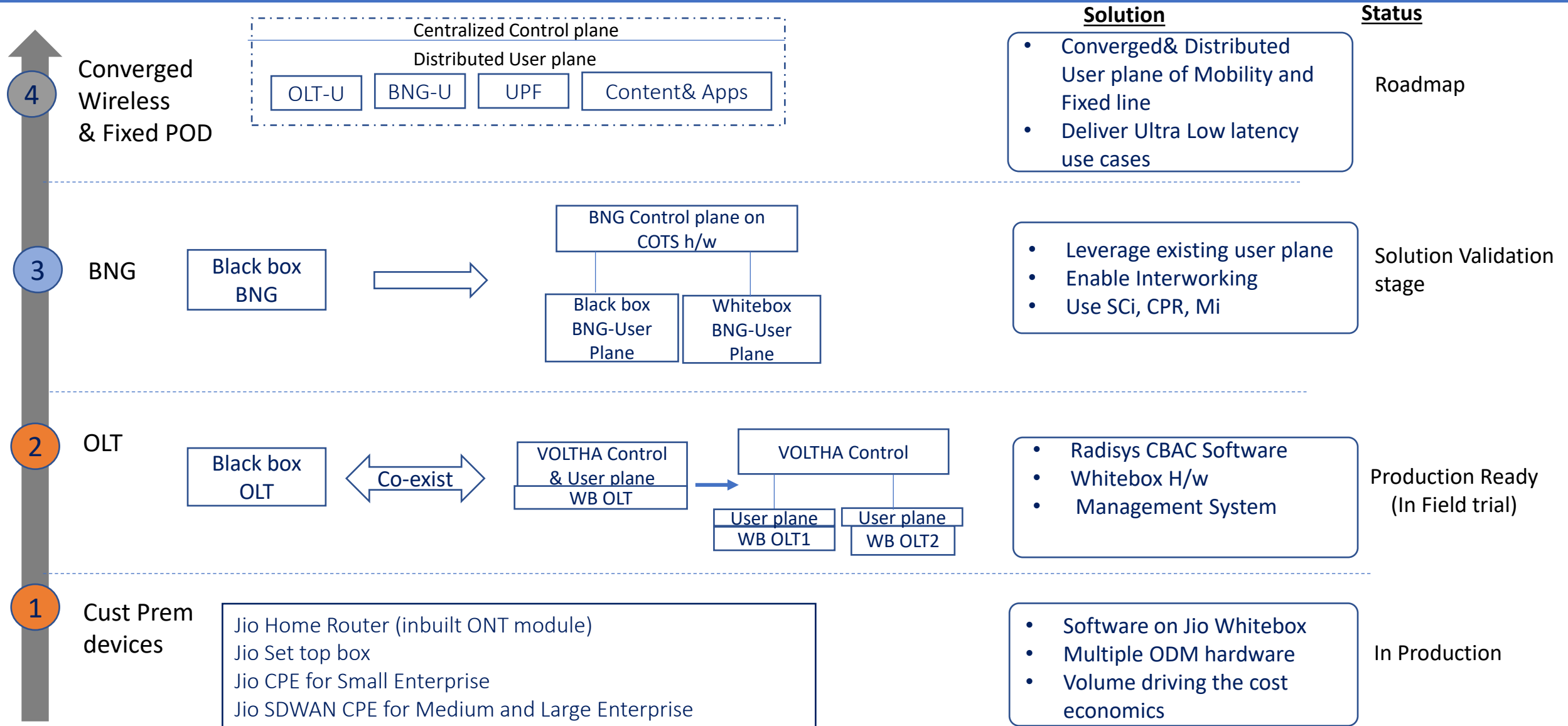
## 4. Intelligent Orchestration and Automation

- Plug and Play new vendor Integration
- Maximize Automation of Network Build ,Operate ad customer experience.
- Real time Network and Service management



# Jio Fixed Line Network Evolution Approach

Start Disaggregation from Customer devices , move up towards Converged Fixed and Wireless Architecture



# Jio SDPON Architecture



Open Network Design Enabling OLT Vendor Neutrality and Deployment Flexibility



Access Network Agnostic – GPON/XGSPON/NG-PON2



Service Agility and OPEX Savings with Highly Programmable SDN Control



Micro-Services Software Enabling Scalable Network Growth



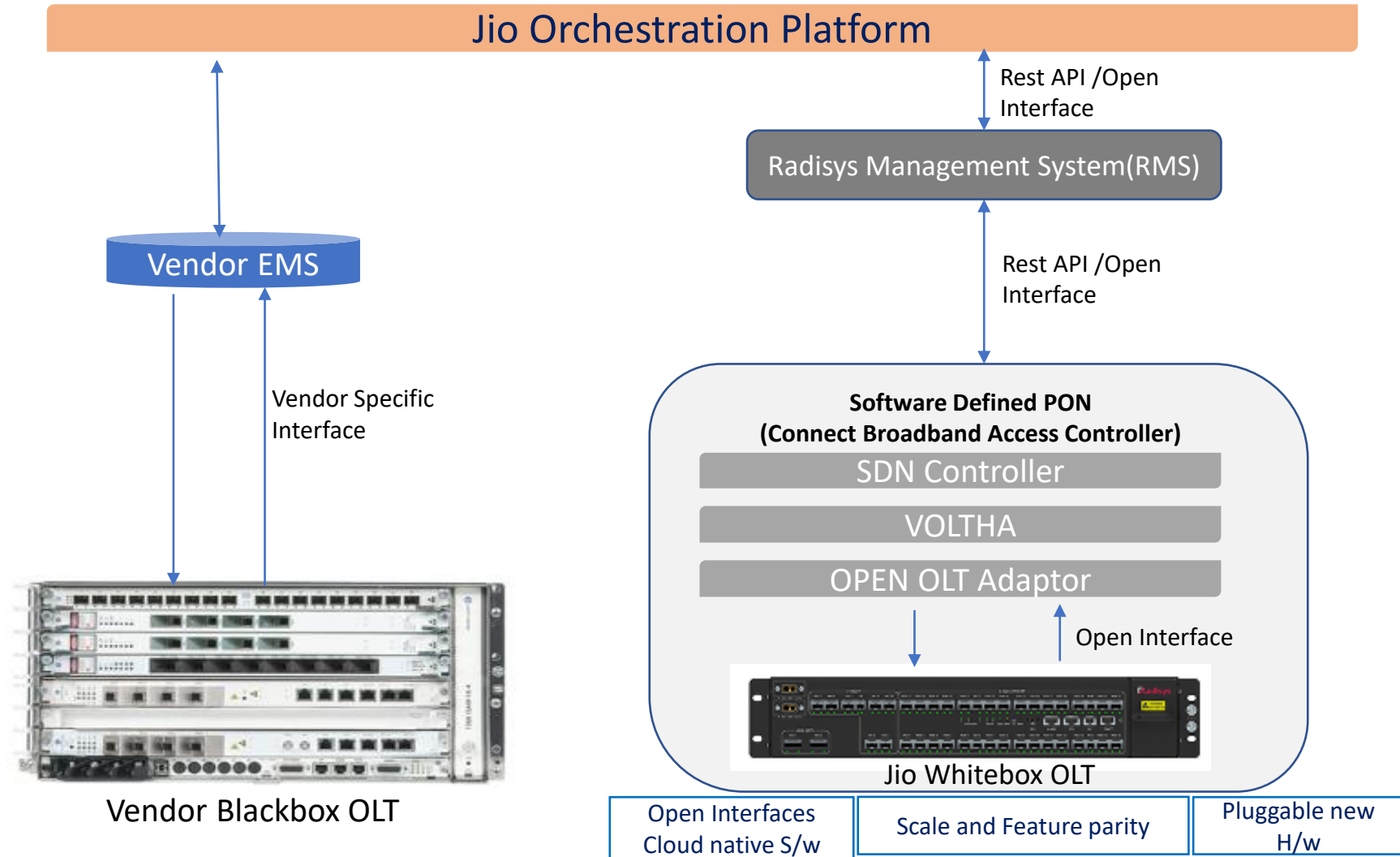
Centralized Management Enabling Flexible Tiered Services and Network Slicing



Network Hardened Solution Aligned with Open Communities



Future Proof with Cloud Native Design





Thankyou