Radisys

connect open BROADBAND

ONF Broadband Meetup, Berlin

Rajesh Chundury

May 20th, 2022

Introduction:
DNA of Open Telecom Innovation

1987-1995	2006-2011	2012	2017	Dec 2018
Founded 1987	**Acquired**	**Pivoted Strategy**	**Open Radisys**	**A Reliance Industries company**
Vision: Bring Intel Silicon to Telecom IPO 1995 Acquired IBM Open Platform division	Convedia: Media Server Continuous Computing: Trillium	Focus: Tier 1 Carrier - direct and indirect	Open, Disaggregated access and media solution, dev ops methodology	Innovate, Scale, Expand and Disrupt with Open Solutions

Headquarters: Hillsboro, OR
United States

Centers of Excellence: Bangalore (India)
Hillsboro, OR (US)
Frisco, TX (US)
Guangdong (China)
Shanghai (China)

No. of Employees: ~1000

Global sales and operations

Over 30 years of experience and leadership in networking

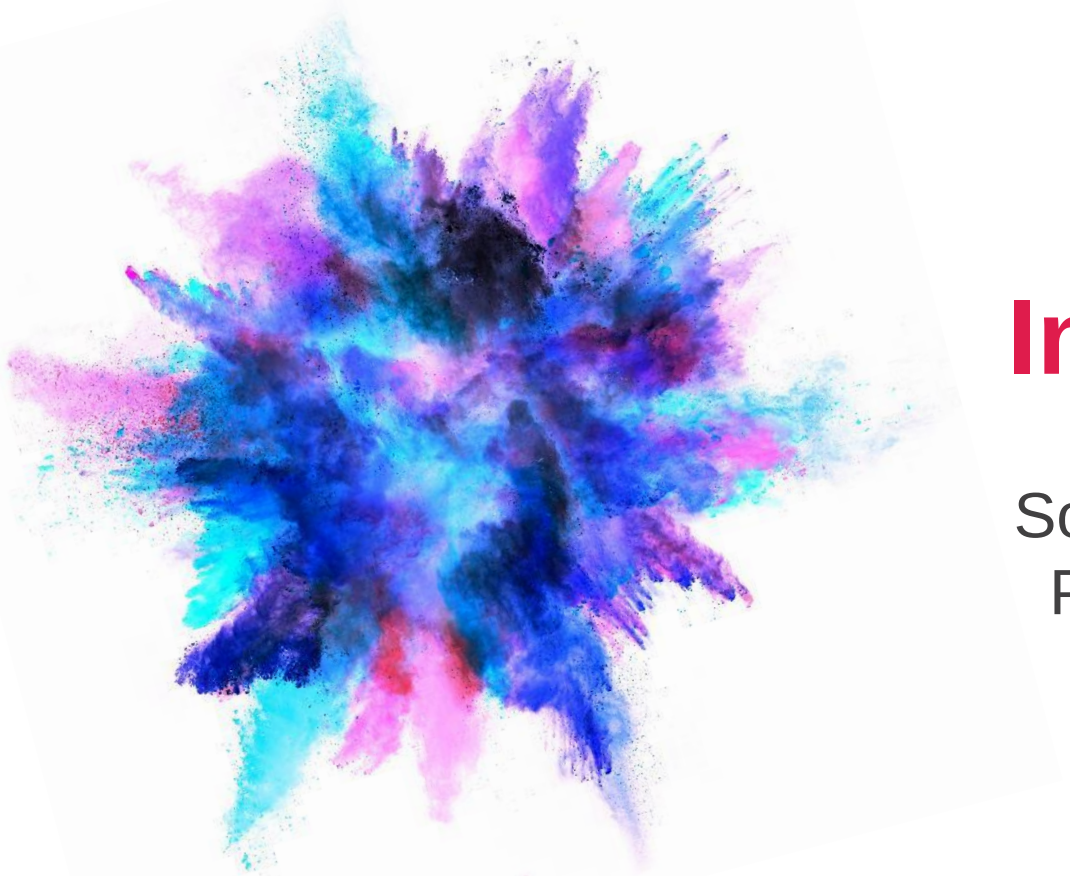
Leading contributor to open standards organizations and initiatives

Open: Our Vision for the Networks of Tomorrow

Creating new digital experiences

Disaggregated

Software / Hardware
Network Functions
Control / Media



Intelligent

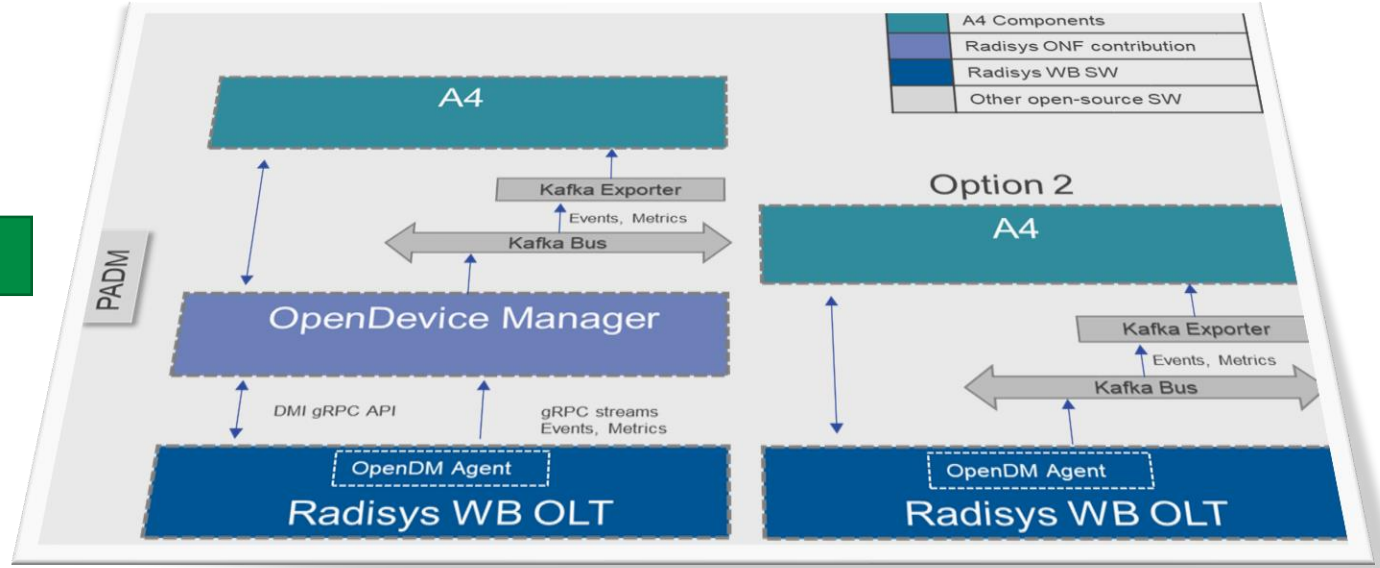
Software Defined
Programmable
AI/ML

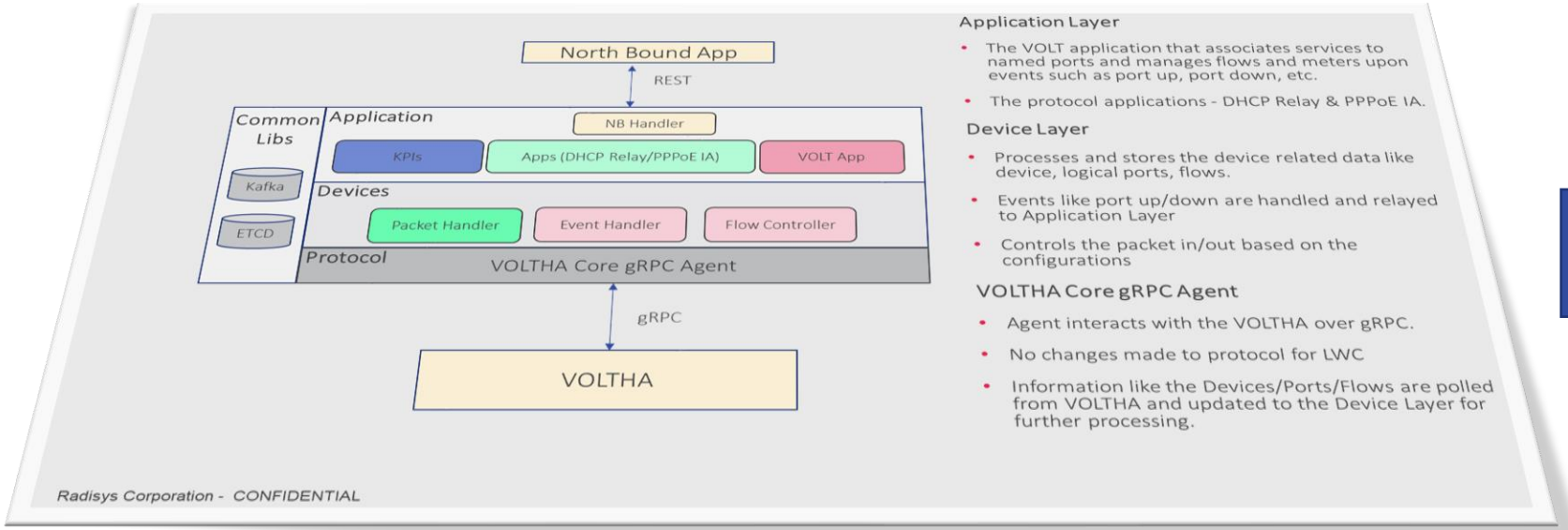
Open

Software , Hardware, Interfaces

Recent contributions to ONF/VOLTHA community

Device Management Interface

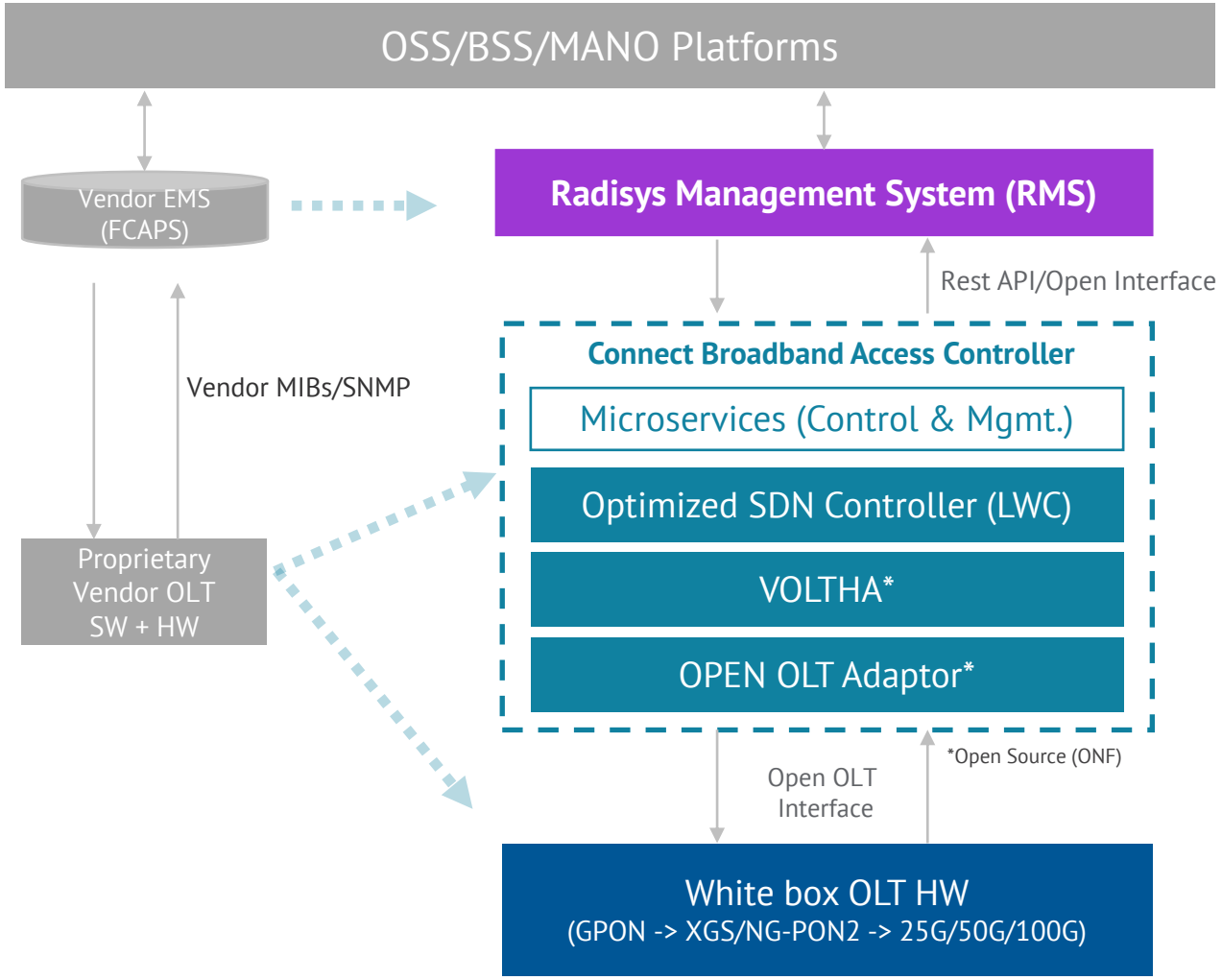


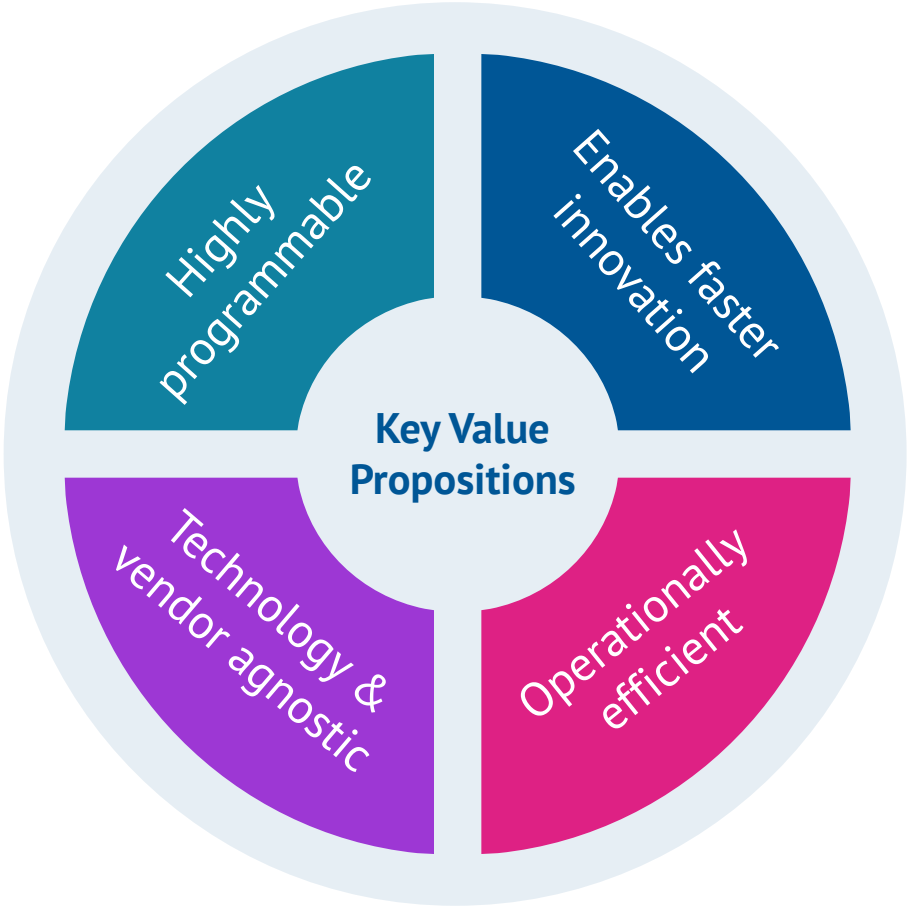


ONOS Replacement Controller (Light Weight Controller)

Open and Disaggregated Architecture

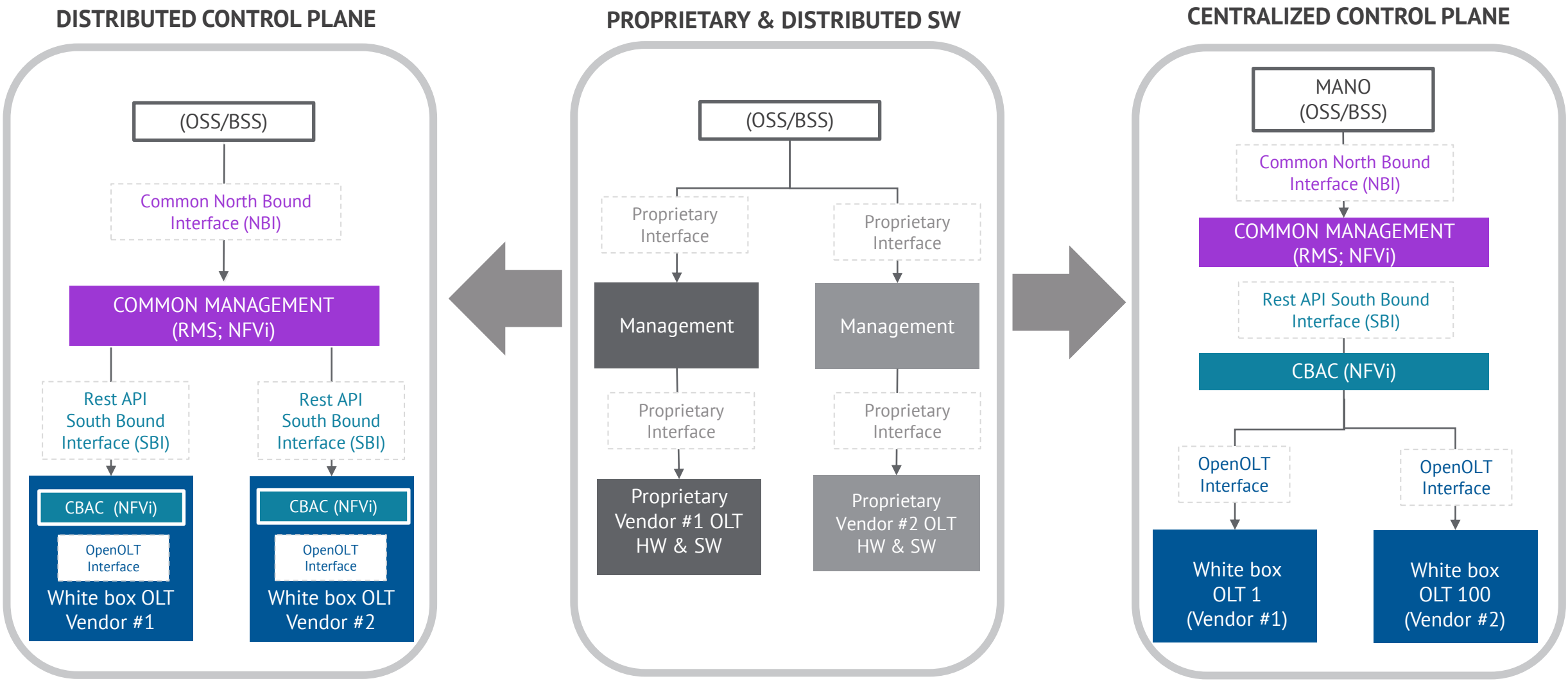
Disaggregated Access Solution Enabled by Open Interfaces and Open-Source Software



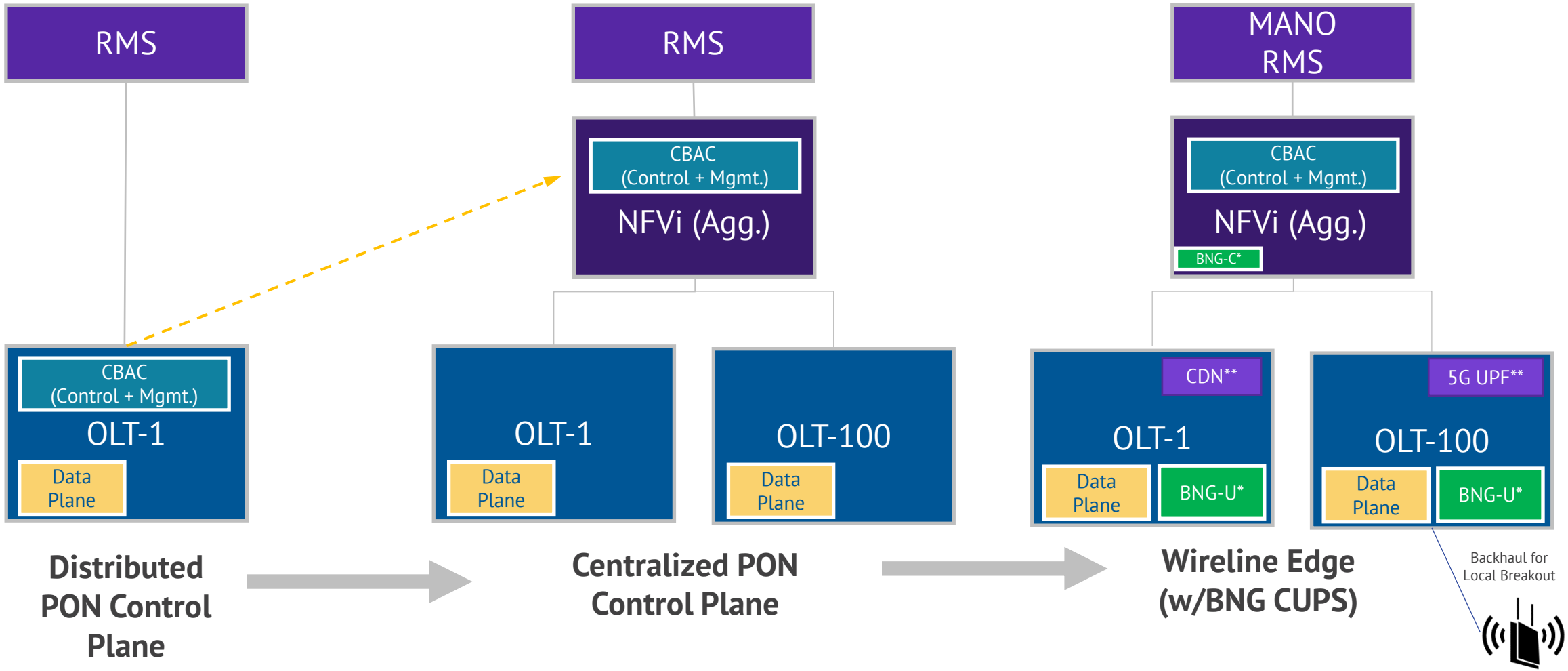


Transform Your Network at Your Pace

Flexible Deployment Options



Architecture Evolution to Converged Disaggregated Edge



CBAC deployed on Google Cloud Platform as a PoC

*Roadmap
**Vision

Customer Case Studies & Deployment Models

Deployment Models

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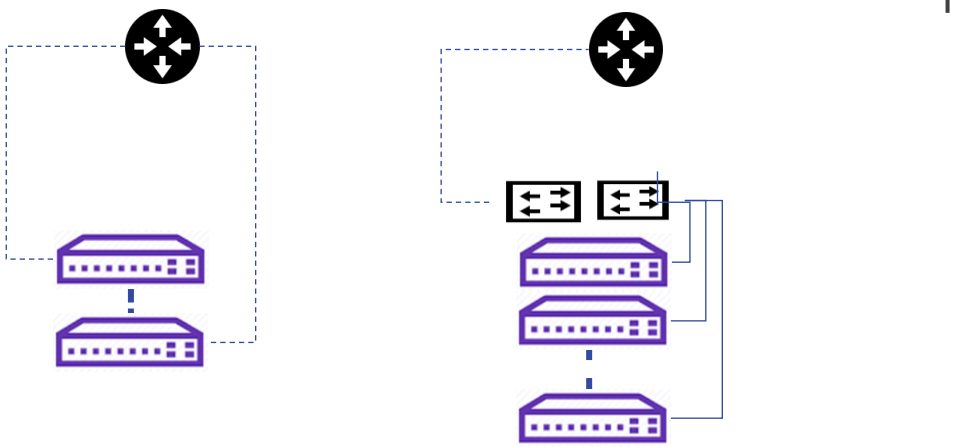
Compute		L/S Service Edge	L2/L3 TOR	Router	OLT	
Mgmt & PON Controller	PON Controller	BNG on Leaf	Redundant ToR		WB OLT	Radisys OLT w/ controller

Radisys

Central Management
Inventory, Topology, Configuration, Assurance

Control Plane on pOLT (Distributed)



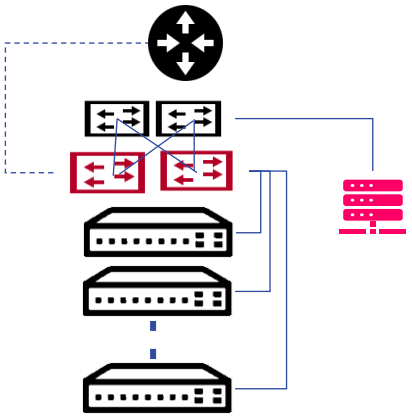
- OLTs in a Ring
- Connected to Central BNG
- (ToR-less)

1

- OLTs connected to redundant ToRs
- ToR connected to Central BNG

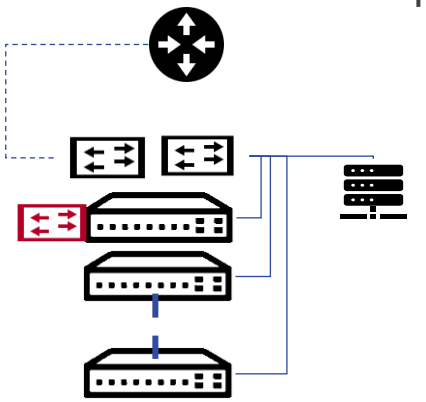
2

Control Plane on compute (Centralized)



- OLTs connected to Leaf/Spine in POD
- Service Edge (BNG) on Leaf switches
- Management & PON Controller on local compute

3



- OLTs connected to ToR
- ToR connected to Central BNG
- PON Controller on local compute

4

Deployment Models

connectopen BROADBAND

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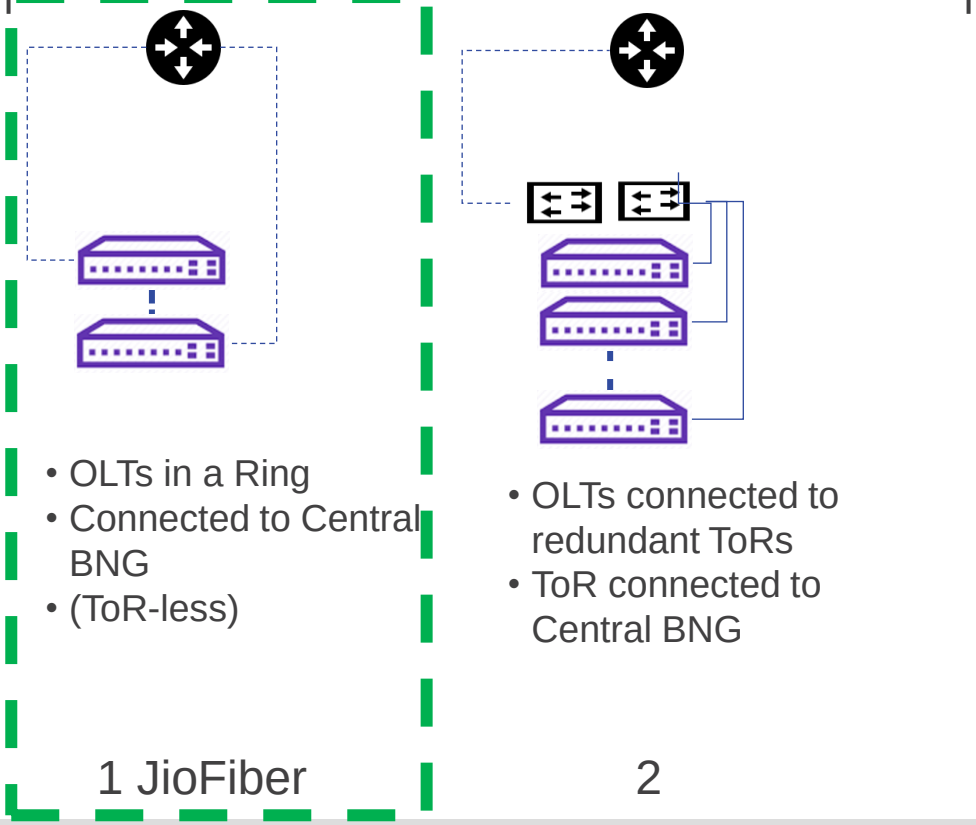

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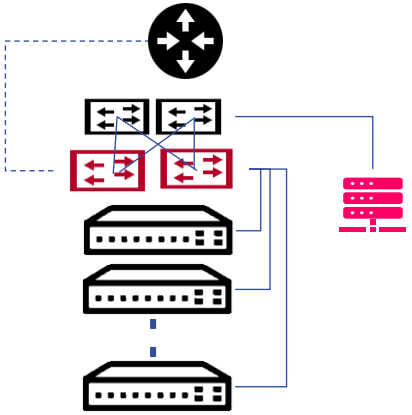
- (ToR-less)

1 JioFiber

- OLTs connected to redundant ToRs
- ToR connected to Central BNG

2

Control Plane on compute (Centralized)



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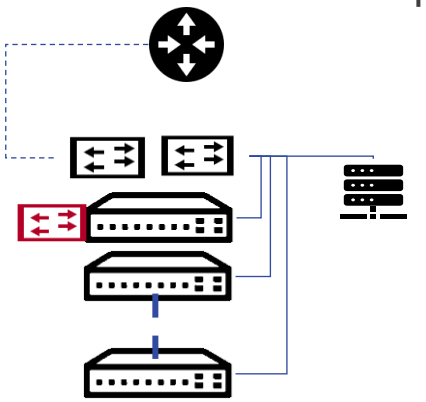

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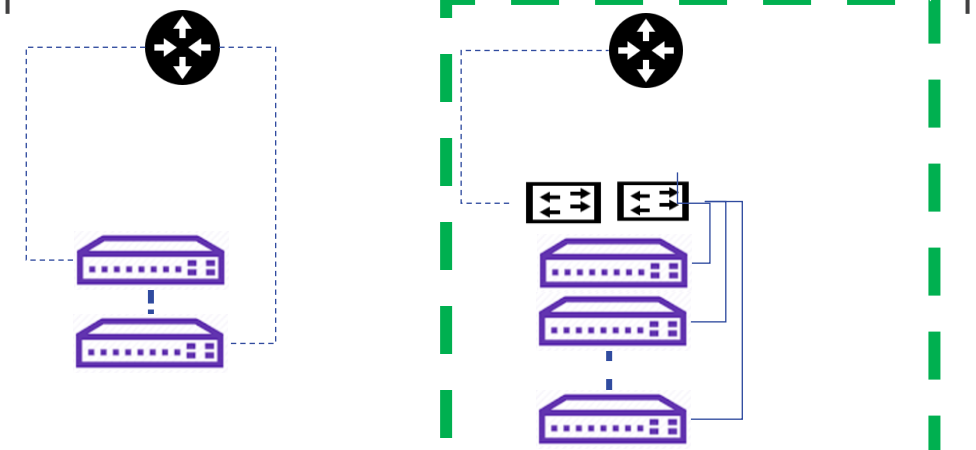
Central Management
Inventory, Topology, Configuration, Assurance

Control Plane on pOLT (Distributed)



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- (ToR-less)

1

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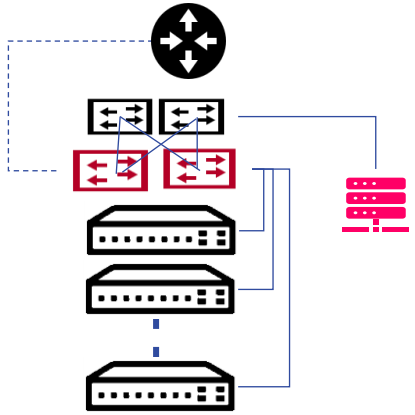
- ToR connected to Central BNG

2 Europe Tier-1

Control Plane on compute (Centralized)



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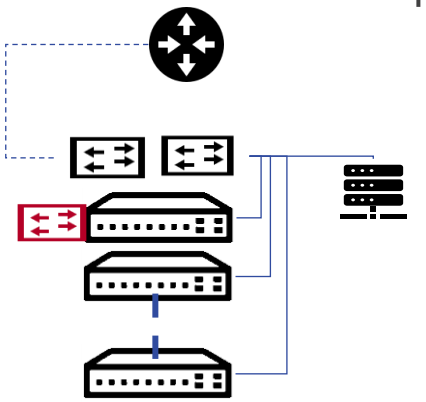

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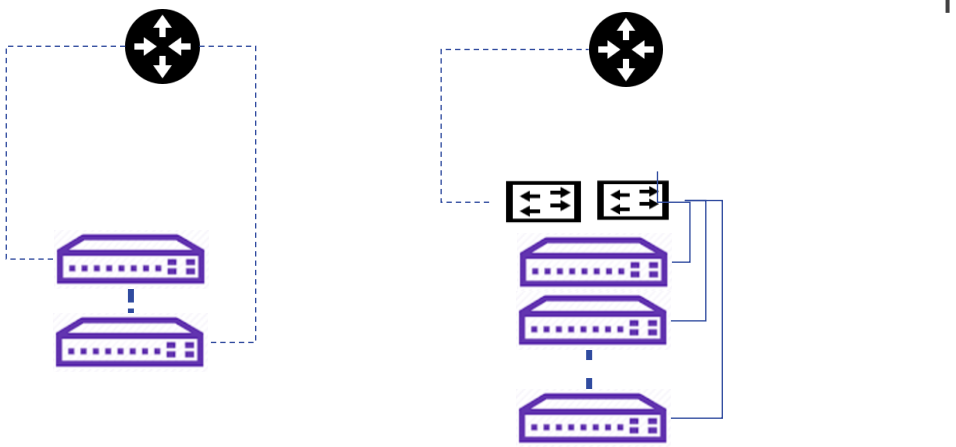

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2
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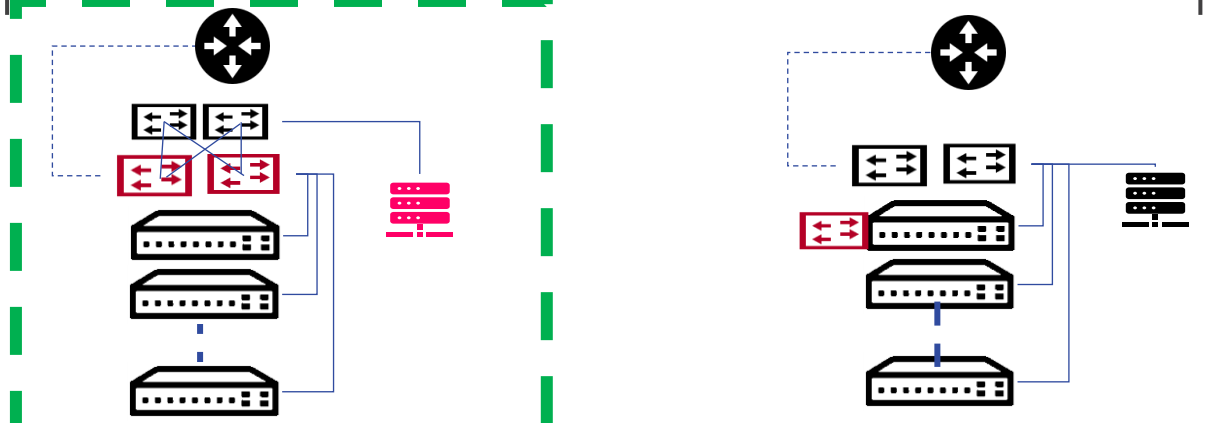
Control Plane on compute (Centralized)



3 DT/A4
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4
- OLTs connected to ToR
- ToR connected to Central BNG
- PON Controller on local compute


Radisys
Thank You