



□ LINUX FOUNDATION
COLLABORATIVE PROJECTS

Getting Involved in LF Networking Edge Projects: An approach for OCP Members

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Development

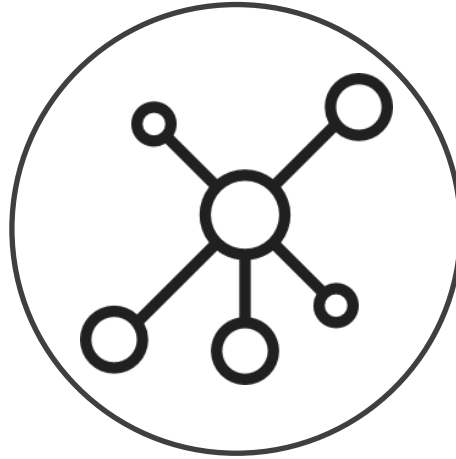
Networking is the fabric for Growth & Innovation Across Industries



Automotive
Connected Cars



Retail
Connected
Stores



Networking
Carrier, Cloud, Enterprise

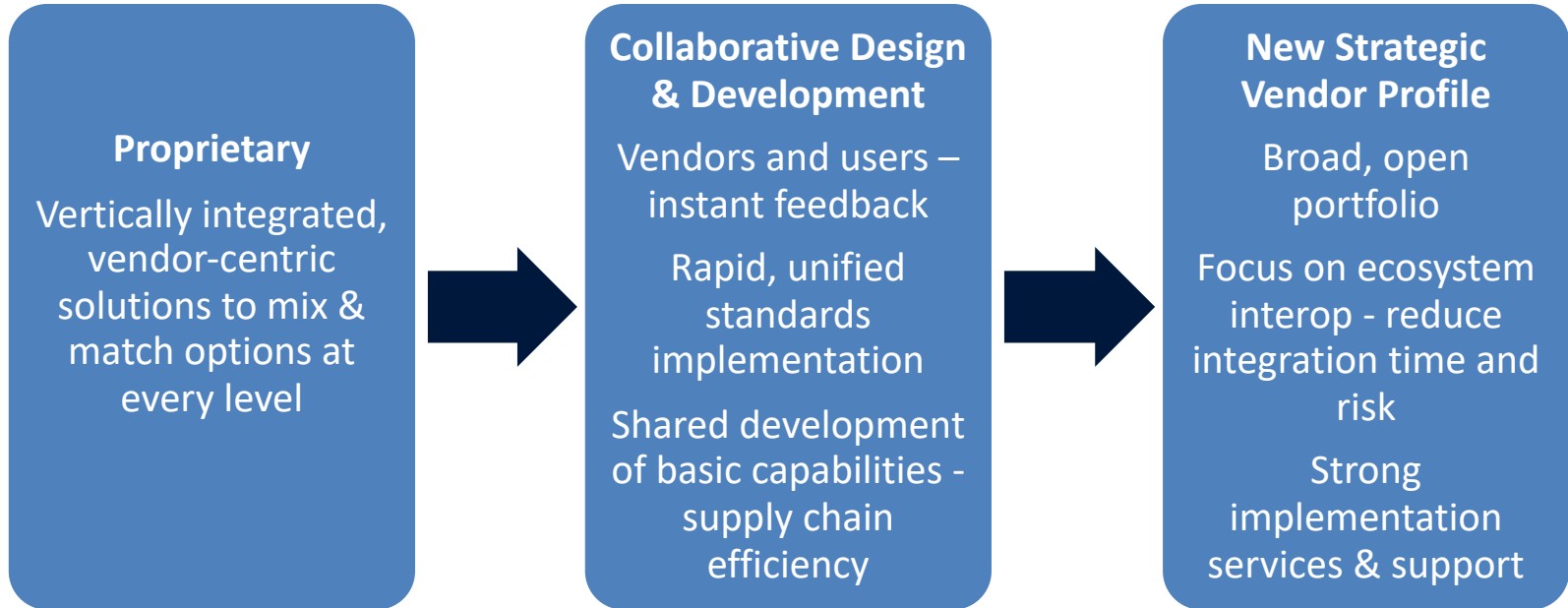


Energy
Connected
Homes



Agriculture
Connected
Cows

Revolution in the Networking Ecosystem



LF Networking (LFN) Projects combine best of breed open source networking projects



LF NETWORKING





Virtual Central Office Collaboration

What is VCO?



- Cloud Native approach to deploying NFV closest to subscriber
- One of the Edge Blueprints as discussed in the community
- Based on OpenStack and Kubernetes
- Massive Scale => Large Number of sites

Virtual Central Office

Define a cloud native approach for a virtualized central office leveraging NFV and open source technologies

Service Agility – End to End



Operational Efficiency

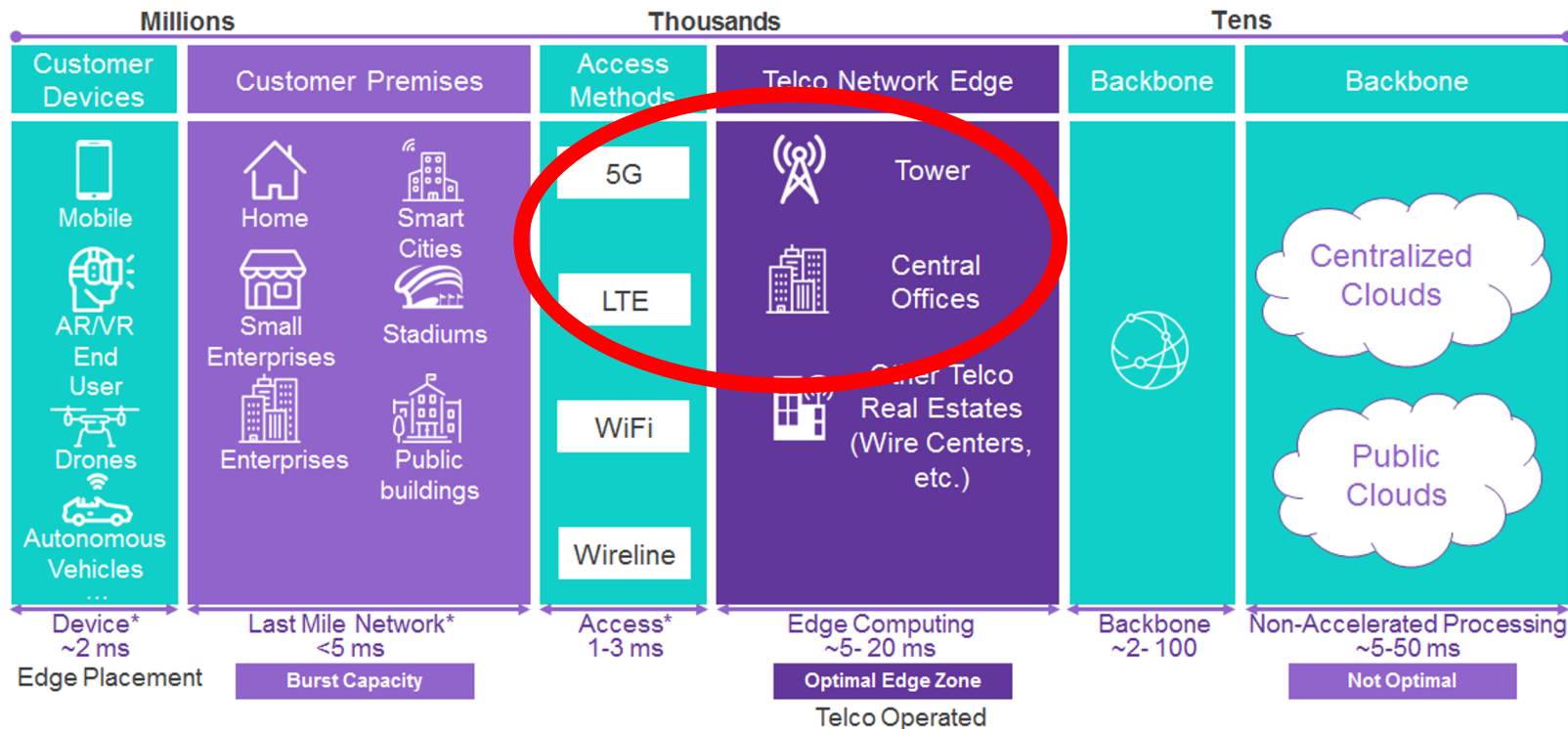
Improved Customer Experience



Lower Costs

- >10,000 Central Offices in US Alone
- Primary Gateway to Customers for a Telco Operator

Mobile Edge



* Estimates

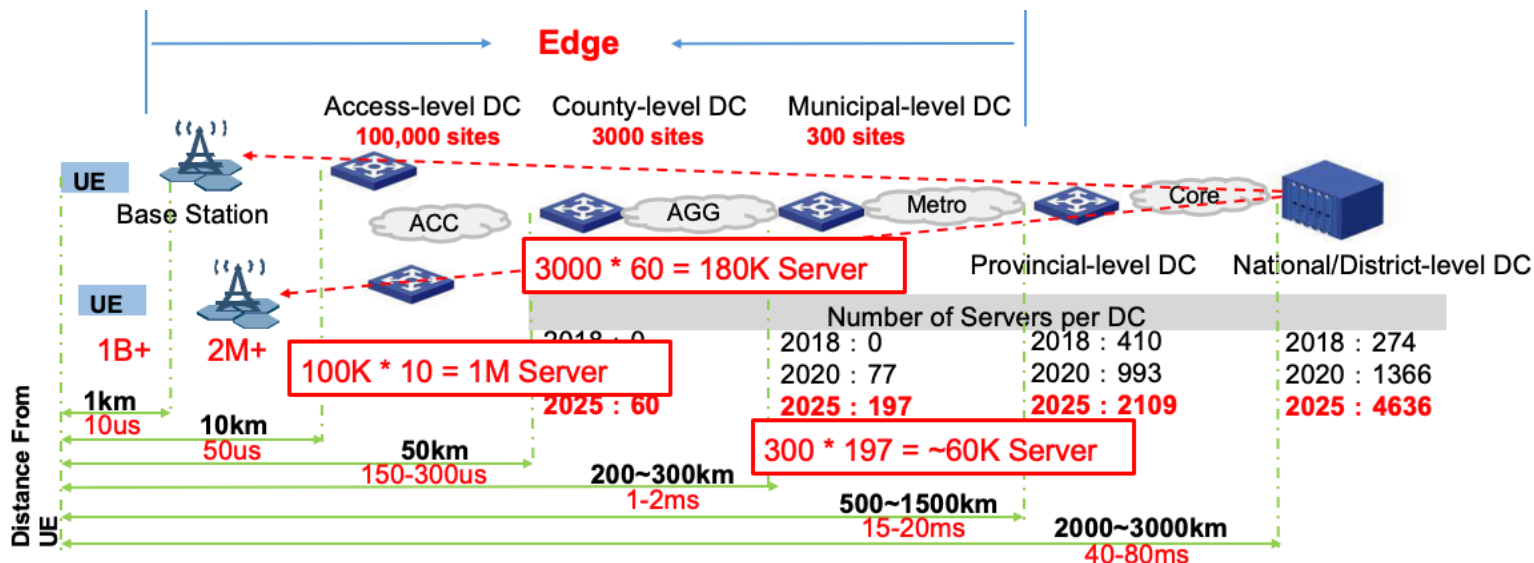
SOURCE: AKRAINO WIKI

Where is Edge Cloud?



China Mobile's Edge TICs

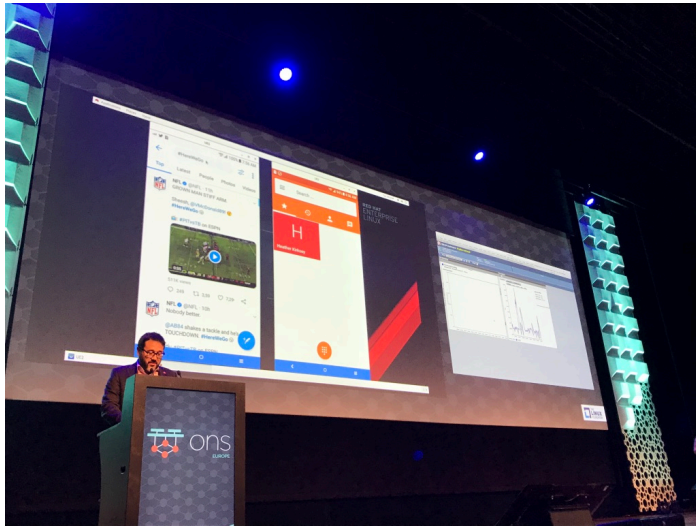
Located from city level to AP. Support services including mobile & residential/enterprise UP, MEC and CRAN.
Based on open-source Virtualization and/or Container platform



VCO Live Demo



It Worked!!!



ONS Europe, Sep 25, 2018

Twice!!!



OCP Regional Summit, Oct 1, 2018

A Cross-Community Open Source Collaboration



Ecosystem Partners



Bell



EXFO

MITAC 
MITAC COMPUTING TECHNOLOGY CORP.



CUMULUS 



NETSCOUT
Guardians of the Connected World

Quortus 

Ettus

Research™
A National Instruments Brand


**PENGUIN
COMPUTING**

B CIRCLE B
Revolutionary IT Infrastructures

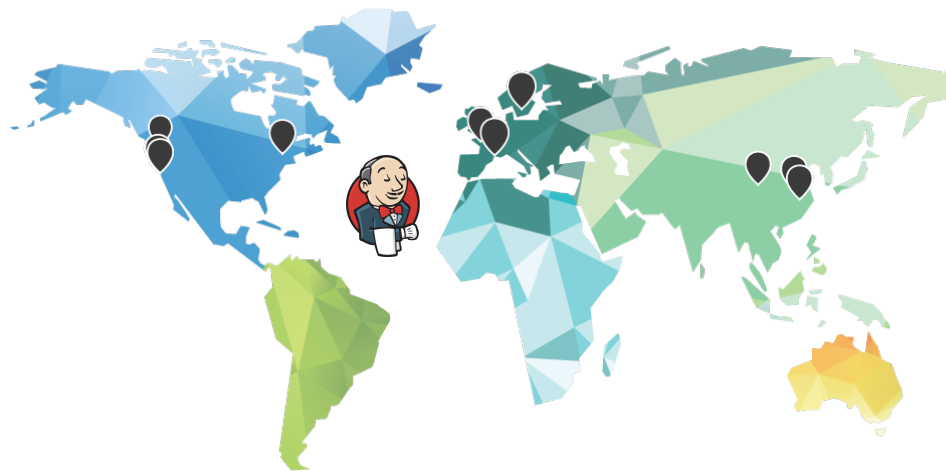


OPNFV Pharos

Infrastructure – Distributed Labs (Pharos Project)



- Facilitates collaborative testing
- Ensures OPNFV applicability across architectures, environments and vendors
- Creates more robust, interoperable releases
- Desire to advance Pharos labs and specs to highlight Edge optimized hardware for 5G and Edge use case deployment testing
- OPNFV Rocket project focused on understanding impact of Edge Hardware for NFVI/VIM deployments
- We could love to see Edge optimized Pharos labs!



<https://www.opnfv.org/community/projects/pharos>

<https://wiki.opnfv.org/display/pharos/Pharos+Home>

Why Should You Get Involved?



- Increase your visibility in the telecom market
 - VCO Demos featured in keynotes at major conferences
 - VCO Resources highlight participating vendors
 - Highlight Pharos participation in RFPs and customer engagements
- Validate your hardware in 5G and telecom use cases
 - Validate compatibility between your hardware and key open source software implementations
- Elevate and accelerate the open source ecosystem
 - Open Source Hardware and Open Source Software = Compelling Value prop for global service providers

Learn More and Get Involved!



- Learn more: <https://www.opnfv.org/resources/virtual-central-office>
- Join VCO Demo Mailing List & Calls: opnfv-vco@lists.opnfv.org
 - VCO 3.0 2019 Demo Development is underway
- Join the OPNFV CRAN, Pharos Edge, Rocket projects: wiki.opnfv.org
- Get involved in OCP Networking and Server Projects:
<https://www.opencompute.org/projects>

Thank You!

