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

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Networking is the fabric for Growth & Innovation Across Industries

- Automotive
  - Connected Cars
- Retail
  - Connected Stores
- Energy
  - Connected Homes
- Agriculture
  - Connected Cows

Networking
Carrier, Cloud, Enterprise
Revolution in the Networking Ecosystem

**Proprietary**
Vertically integrated, vendor-centric solutions to mix & match options at every level

**Collaborative Design & Development**
Vendors and users – instant feedback
Rapid, unified standards implementation
Shared development of basic capabilities - supply chain efficiency

**New Strategic Vendor Profile**
Broad, open portfolio
Focus on ecosystem interop - reduce integration time and risk
Strong implementation services & support
LF Networking (LFN) Projects combine best of breed open source networking projects.
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

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!!! Twice!!!

ONS Europe, Sep 25, 2018

OCP Regional Summit, Oct 1, 2018
A Cross-Community Open Source Collaboration
Ecosystem Partners
OPNFV Pharos
• 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](https://www.opnfv.org/resources/virtual-central-office)
- Join VCO Demo Mailing List & Calls: [opnfv-vco@lists.opnfv.org](mailto:opnfv-vco@lists.opnfv.org)
  - VCO 3.0 2019 Demo Development is underway
- Join the OPNFV CRAN, Pharos Edge, Rocket projects: [wiki.opnfv.org](https://wiki.opnfv.org)
- Get involved in OCP Networking and Server Projects: [https://www.opencompute.org/projects](https://www.opencompute.org/projects)
Thank You!