Open Platform for NFV (OPNFV) facilitates the development and evolution of NFV components across various open source ecosystems. Through system level integration, deployment and testing, OPNFV creates a reference NFV platform to accelerate the transformation of enterprise and service provider networks.
OPNFV Platform Overview

Orchestration and Management

Virtual Network Functions

Compute Virtualization

Storage Virtualization

Network Virtualization

Compute

Storage

Network

Infrastructure

Integration

Testing

New Features

Continuous Integration / Continuous Deployment

Documentation

Security

Upstream Project Collaboration
NOW AVAILABLE
OPNFV COLORADO
opnfv.org/colorado
OPNFV Colorado Overview

Orchestration and Management

Virtual Network Functions

Compute Virtualization
- OpenStack
- KVM

Storage Virtualization
- Ceph

Network Virtualization
- OpenDaylight
- ONOS
- OpenContrail

Compute

Storage

Network

Data Plane
- FD.io
- OVS
- DPDK
- ODP

Infrastructure
- Pharos Community Labs (x86 & ARM)
- OPNFV Bare Metal Lab

Integration
- Alignment
- Installation
- Composition

Testing
- Functional
- System
- Performance

New Features
- NFV Features

Upstream Project Collaboration:
- Continuous Integration / Continuous Deployment
- Documentation
- Security
What’s New?

• SFC Improvements
  – Multiple Node Support
  – Service Function failover and load-balancing
  – Dynamic Service Chain modifications

• Much better support for IPv6
  – IPv6 only scenarios
  – Full overlay and underlay support
  – Additional install tools
What’s new, continued

• SDN VPN
  – Full Layer 2 and 3 VPN support
  – BGP-based peering
  – Quagga BGP router integration
• Initial VPP integration and support (Fast Data Stacks Project)
• Security
• Multi-hardware architecture support
• Testing/DevOps /Tooling
What’s Next?

• Plugfest at UNH-IOL in December
  – Interop areas: Hardware, VNF, and SDN Controller
• Danube Release in March
  – MANO Support (Open-O, Open Baton)
  – VNF Event Streaming, Work on Models,
  – Continued improvements on features from Colorado
• Investigating possible third party CI/CD
Finally.....

Are there things we can be doing to better collaborate between IETF and Linux Foundation networking projects?

What additional touch points would you like to see?