OPNFV is a carrier-grade, integrated, open source platform to accelerate the introduction of new NFV products and services.
ETSI Architectural Framework
OPNFV Brahmaputra Overview

Orchestration and Management

Virtual Network Functions

- Compute Virtualization
  - OpenStack
  - KVM
- Storage Virtualization Control
  - Ceph
  - OpenDaylight
  - KVM
- Network Virtualization
  - OpenContrail
  - ONOS
  - OVS

Data Plane

- DPDK
- ODP

Infrastructure

- Pharos Community Labs
- OPNFV Bare Metal Lab

Upstream Project Collaboration:

Integration
- Alignment
- Installers
- Scenarios

Testing
- Functional
- System
- Performance

New Features
- Fault Mgmt
- IPv6
- SFC
- L3VPN
- Reservation

Continuous Integration / Continuous Deployment
  - Documentation
Pharos Project

Goals:
• Facilitate collaborative testing
• Provide developers with substantial resources
• Ensure OPNFV applicability across architectures, environments and vendors
• Create more robust, interoperable releases
OPNFV Membership List

**Platinum Members**

- AT&T
- Brocade
- China Mobile
- Cisco
- Dell
- EMC²
- Ericsson
- Hewlett Packard Enterprise
- Huawei
- IBM
- Intel
- Juniper Networks
- NEC
- Nokia
- docomo
- Red Hat
- SUSE
- Telecom Italia
- Vodafone
- ZTE

**Silver Members**

- ADVA
- Aiterna
- Arm
- Array Networks
- BrainInet
- Broadcom
- Cable Labs
- Canonical
- Cavium
- CenturyLink
- CertusNet
- Ciena
- ClearPath
- Dialogic
- Enea
- Freescale
- H3C
- Ixia
- KDDI
- KDRI R&D Labs
- KT
- Midekara
- Mirantis
- Openet
- Orange
- Qosmos
- Sandvine
- SK Telecom
- Sonus
- Sprint
- Stratus Technologies
- VMware
- Wind River
- Xilinx

**Associate Members**

- CENGN
- ETRI
- Iol

OPNFV
What’s Next?

• Much, much, much more of the same
• OPNFV Plugfests
  – Twice annual (Dovetail project)
• Testing and Infra Improvements
  – SDN Controller & Storage Performance, Policy testing
• Full ARM Support
• Continued advances in carrier grade features, including L2VPN, Policy Management, Security, Multisite, Upgrades, etc.
• Container Support
• MANO
• Forwarding and Data Plane Improvements
Get Involved

• Website: http://www.opnfv.org/
• Wiki: https://wiki.opnfv.org/
• Companies: Join as a member and/or join projects
• Developers: Join approved projects, propose a project, write documentation, contribute use cases, define tests, analyze requirements, build upstream relationships, contribute code, contribute upstream code, define processes, resource a community lab, answer questions, give training, evangelize.
• Participation in OPNFV is open to anyone, whether you are an employee of a member company or just passionate about network transformation.
Questions?

Please direct any questions or comments to info@opnfv.org