Accelerating the Adoption of SDN & NFV
The Open Networking Foundation (ONF) is a non-profit, user-driven organization dedicated to accelerating the adoption of SDN & NFV. The merger of ON.Lab with ONF presents member companies a unique opportunity to work with leading network operators to transform networks into agile platforms for service delivery while streamlining network operations by leveraging the DevOps model with cloud, open source and whitebox efficiencies.

ACCELERATING DEPLOYMENT WITH ONF’S INNOVATION PIPELINE

The ONF is leveraging the experience and practices that have lead to the broad success of the CORD® and ONOS® open source projects to create an Open Innovation Pipeline in close collaboration with the leading network operators. By leveraging its deep relationship with operators, the ONF focuses on high-value use cases and solutions while working with these operators to first build and then take these solutions into operator PoCs, trials and deployment.

The Open Innovation Pipeline delivers integrated solutions to network operators leveraging disaggregation, open source platforms and “software defined standards” and will help any member company plug into the Open Innovation Pipeline to bundle its innovation as part of the integrated solutions to the customers. Each instance of the pipeline focuses on a particular use case in cooperation with operator partners ready to trial the solution. The ONF currently has active pipelines

New ONF Creating an Open Innovation Pipeline

1. Disaggregation and open source SDN/NFV platforms enable the Open Innovation Pipeline
2. Software Defined Standards solidify interfaces to enable components from the broader ecosystem to be plugged in
3. Innovation can be added anywhere along the pipeline without reinventing the complete solution

Path to Deployment

Each Instance of the Pipeline Addresses a Specific Operator Use Case
addressing ultra-broadband access, 5G mobile (from RAN to core), enterprise VPNs and packet-optical core use cases.

The SDN movement, first initiated by the ONF, has successfully set in motion the disaggregation of networking devices and control software and fostered the emergence of a broad range of open source platforms. Now, the industry needs a unifying effort to build solutions out of the complexity of the numerous disaggregated components.

The ONF helps members navigate this complexity by first providing a complete open source platform that pulls together the foundation pieces for creating solutions.

To broaden the flexibility and usability of the platform, the ONF is also driving the creation of software defined standards to ensure that components from both members and from the broader ecosystem can be interchangeably used to build solutions.

The ONF then layers on top of the solution platform the Open Innovation Pipeline process to streamline each member’s ability to add unique innovations and differentiating value into specific use case solutions. The pipeline makes it easy to integrate customizations, and then helps carry the solutions into the networks of our operator partners.

As a result, any ONF member can leverage the platform to focus their efforts on their unique contribution. Members can insert their unique innovation at the suitable stage of any suitable pipeline, and the momentum of the pipeline will pull the innovation into operator PoCs, trials and beyond.

Open Innovation Pipeline

1. All ONF Members can bring value and introduce offerings into any active pipeline

2. Vendor innovations then have an opportunity to ‘ride the pipeline’ into use case focused operator trials with ONF operator members

ONF maintains a curated set of open source platforms. Innovations plug into the platform to help craft solutions targeted at specific operator use cases (like M-CORD for 5G mobile).
MEMBERSHIP BENEFITS

Operators
Network operators will find ONF to be a single anchor point to help them navigate through the world of SDN disaggregation into integrated and interoperable SDN & NFV solutions based on open source platforms, DevOps principles and cloud technologies. Membership enables operators to influence a large ecosystem towards turning the network into a strategic asset, enabling innovation and programmability and bringing cloud-like efficiencies and agility to the carrier network.

Vendors
Vendors will realize a greater opportunity to work with their key customers in the service provider and enterprise space on solutions and use cases driven by network operators’ requirements. Vendor members can leverage ONF’s Open Innovation Pipeline by introducing offerings anywhere along the pipeline to lower development costs and optimize ROI by focusing on innovations rather than infrastructure. Engaging with the ONF further enables vendors to accelerate adoption of their unique innovation into operator networks.

Integrators
Pent up demand for network transformation has resulted in a skills gap within operators, creating a unique market opportunity for integrators. System integrators can add value to the Open Innovation Pipeline by contributing with service customization, solution packaging, verification and deployment assistance, all based on the common CORD and ONOS framework.

LEARN MORE
The ONF gives members a front seat to the trends in operator transformation and helps ensure participants remain on the leading edge of technology.

The ONF’s Open Innovation Pipeline helps coordinate work across the broader ecosystem to ensure solutions are being developed that specifically address uses cases in demand by operators. Members are encouraged to introduce their unique offerings to the solutions, thus leveraging the pent up demand from operators actively pulling these solutions towards deployment.

Learn more about membership options and ways you can participate by visiting www.opennetworking.org.