LF Networking

Member Onboarding Guide 2021

THE **LINUX** FOUNDATION

LF NETWORKING

Agenda

› Introductions
› LFN Staff
› LFN Projects at a Glance
› LFN Governance
› Get Started in the Technical Community
› Get Started with LFN Marketing
› LFN Projects Review
› Strategic Discussion

THE **LINUX** FOUNDATION

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LF Networking Staff: Leadership + Marketing

Leadership

- Arpit Joshipura, General Manager, Networking
  ajoshipura@linuxfoundation.org

- Heather Kirksey, VP Ecosystem and Community
  hkirksey@linuxfoundation.org

- Mike Woster, CRO and LF Networking Membership
  mwoster@linuxfoundation.org

Marketing

- Jill Lovato, PR Lead
  jlovato@linuxfoundation.org

- Brandon Wick, Marketing Lead
  bwick@linuxfoundation.org

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LF Networking Staff: Technical Operations

Casey Cain - Technical Program Manager
OpenDaylight, PNDA, Tungsten Fabric, New Member Management, LFN Webstore, LFN User Groups, LFN Internships TAC
ccain@linuxfoundation.org

Trishan de Lanerolle - Technical Program Manager & Community Architect
FD.io, SNAS.io, Open19*, OPX*, ORAN-SC*, DANOS*, DENT*, DPDK*, OvS*, FRR*, Academic Outreach
tdelanerolle@linuxfoundation.org

David McBride - Sr Technical Release Manager
ONAP Release, Anuket Release, LFN Analytics
dmcbride@linuxfoundation.org

Kenny Paul - Technical Program Manager
ONAP, LFN Governing Board, Strategic Planning & Finance Committee
kpaul@linuxfoundation.org

Louis Illuzzi - Program Manager
New Project Onboarding - XGVela, ODIM
lilluzzi@contractor.linuxfoundation.org

Jim Baker - Technical Program Manager
Anuket, End User Advisory Group & Compliance and Verification Committee support
jbaker@linuxfoundation.org

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LFN Projects at a Glance

pnda

Anuket

tungsten fabric

.io

LF NETWORKING

X'G Vela

ONAP
OPEN NETWORK AUTOMATION PLATFORM

OPEN DAYLIGHT

SNAS.io

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LFN Project Portfolio

Anuket
Delivers a common model, standardized reference infrastructure specifications, and conformance and performance frameworks for virtualized and cloud native network functions.

FD.io
Open Source high-performance IO services framework for dynamic computing environments.

ONAP
Design, creation, orchestration, monitoring, and life cycle management of open source and commercial VNFs and legacy networks.

OpenDaylight
Open source SDN Controller with largest ecosystem and deployment footprint.

PNDA
Scalable big data analytics platform for networks and services.

SNAS
Distributed, low-footprint collector leveraging high performing message bus for real-time BGP predictive analytics.

Tungsten Fabric
A software-defined network & security fabric built for rapid deployment at scale

XGVela
An open source cloud native PaaS for applications and telco network functions to enable new services.

LFN Project Lifecycle States

› Each top-level LFN Project (with a capital "P") governs itself.
› LFN Projects usually consist of multiple projects (lowercase "p") which typically their own lifecycles
› Each Project State has criteria which must be met to progress
› Full lifecycle details

Project State	Description	LFN Project(s)
Sandbox	Project does not yet receive direct funding from LFN	XGVela
Incubation	Project may receive some incremental funding from LFN but does not yet have a representative on the TAC.	Tungsten Fabric
TAC Project	Project is fully funded by LFN granted TAC representation	Anuket, FD.io, ONAP, OpenDaylight
Archived	Project not in active development within LFN	OPX

LFN Governance

LF Networking Governance

Chair: Junlan Feng, China Mobile   Treasurer: Jonne Soininen, Nokia

- End User Advisory Group
- Compliance & Verification
- Strategic Planning
- etc.

LFN Governing Board

- Budget
- Strategy
- Legal

Technical Advisory Council (TAC)

Marketing Advisory Council (MAC)

- Cross-project collaboration
- Converged Infrastructure
- New LFN Project Induction
- Developer Vvice to GB

- Annual Marketing Plan
- Branding/Messaging
- Content/Web
- AR/PR
- Events
- Market Development

Technical Steering Committee	Technical Steering Committee	Technical Steering Committee	Technical Steering Committee	Technical Steering Committee
ODL	**Anuket**	**ONAP**	**FD.io**	**etc.**

Developer Communities

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LFN Project Community Leadership

Technical Project Leadership

- Anuket TSC: Al Morton, AT&T, Walter Kozlowski, Telstra
- FD.io TSC: Ed Warnicke, Cisco
- ONAP TSC: Catherine Lefevre, AT&T
- ODL TSC: Guillaume Lambert, Orange
- PNDA: Donald Hunter, Cisco
- SNAS: Alistair King, UCSD
- Tungsten Fabric TSC: TBD
- XGVela: Qihui Zhao, China Mobile, Sandeep Karkala, Mavenir
-

Marketing Leadership

- MAC Chair: Lindsay Sech, Intel
- Project Liaisons (non-elected volunteers)
    - Anuket: Bob Monkman, Intel
    - FD.io: John DiGiglio, Intel
    - ONAP: Davide Cherubini, Vodafone
    - ODL: Filip Čúzy, PANTHEON.tech
    - Tungsten Fabric: Adam Grochowski, Juniper
    - XGVela: TBD

Strategic Planning Committee (SPC)

› The SPC has the dual role of helping to set the strategy for LFN portfolio of projects as a whole and providing Projects visibility into the directions of the Governing Board.

› The SPC only provides recommendations and guidance

Chair: Jonne Soininen (Nokia)

› Approved by the Governing Board May 2019

› Membership is limited to 15 people total from:

  › Any Platinum GB member or their designee

  › Any Gold/Silver member GB representative

  › The TAC GB representative

  › The MAC Chair

  › A representative from each TAC project

› Wiki: Strategic Planning Committee (SPC)

  › https://wiki.lfnetworking.org/x/o4Hu

Technical Advisory Council (TAC)

- › A forum to facilitate communication and collaboration among the Technical Projects.

- › Represents the technical community to the Board

- › To join the TAC send email to ccain@lfnetworking.org

Jason Hunt (IBM) - Chair

- › Responsible for:
  - › Coordinating collaboration among Technical Projects, including development of an overall technical vision for the community
  - › Making recommendations to the Finance Committee for Technical Projects resources
  - › Other matters related to the technical role of the TAC as may be communicated to the TAC by the Governing Board.
- › Wiki: Technical Advisory Council (TAC)
  - › https://wiki.lfnetworking.org/x/5AAF

Marketing Advisory Council (MAC)

- › A forum for marketing and communications professionals and other volunteers

- › Develops and applies marketing best practices to help LFN achieve its goals

- › To join the MAC, send email to bwick@lfnetworking.org

Lindsey Sech (Intel) - Chair

- › Responsible for:
  - › Developing an LFN marketing and outreach plan
  - › Engaging with the Technical Projects to identify their respective and collective marketing needs
  - › Interfacing with the Governing Board with respect to umbrella and Project marketing goals
  - › Supervising communications and community engagements (digital, content, PR, events, etc.)
- › Wiki: Marketing Advisory Council (MAC)
  - › https://wiki.lfnetworking.org/x/6AAF

Compliance and Verification Committee (CVC)

› OPNFV Verification Program (OVP)

› *To be rebranded in 1H2021*

› Demonstrates the readiness and availability of commercial products

› To join the CVC, Join the mail list, subscribe to the calendar, and attend the meetings!

› CVC wiki

› CVC mailing list

› Verification Homepage

› OVP VNF Portal

› OVP NFVI Portal

Lincoln Lavoie, UNH (Chair)

Yan Yang, China Mobile (Vice Chair)

Key Benefits to Service Providers

Accelerate time to deployment for new network services

Improve interoperability and software quality

Reduce in-house testing effort and reduce costs

Key Benefits to Vendors

Improve time to revenue for new product offerings

Achieve greater alignment with service provider customer requirements

Demonstrate product quality through open ecosystem testing

End User Advisory Group (EUAG)

› A forum for end users (network operators) to discuss their pain points, requirements, and engage with the technical community

› Helps the technical community prioritize features and describe intended usage of LFN project

› To join the EUAG, send email to lfn-euag-info@lists.lfnetworking.org

Lei Huang (China Mobile) - Chair

› The LFN-EUAG is made of individuals from end-user organizations, including telecommunications carriers, cable operators, network, application, compute or storage service providers

› Membership is limited to 3 people per company

› Requires a separate signed individual participation agreement

› Wiki: LFN End User Advisory Group (EUAG)

  › https://wiki.lfnetworking.org/x/CoAs

Get Started in the Technical Community

Get Started in the Technical Community

› Participation in LFN and LF Edge Projects is open to all (Membership not required)

› Getting involved in the technical communities is the best way to learn about the projects and where you fit in

  › **Step 1:** Visit and bookmark the LFN Getting Started Wiki page.

  › **Step 2:** Get a Linux Foundation ID and sign in: https://myprofile.linuxfoundation.org

  › **Step 3:** Visit the LFN Project wikis, join mailing lists, attend calls, join workflows, ask questions, contribute!

  › Step 4: Review LFN's Upstream First Best Practices Guide

Ways to Participate

› Attend Project meetings

› Attend developer events

› Join approved projects

› Propose a Project

› Write documentation

› Contribute use cases

› Analyze requirements

› Define tests / processes

› Review and submit code patches

› Build upstream relationships

› Contribute upstream code

› Start or join an OSN User Group

› Provide feedback through EUAG

› Host and staff a community lab

› Answer questions

› Give a talk / training

› Create a demo

› Evangelize LFN and its projects

Project Repository Access and EasyCLA

› LF uses a tool called [EasyCLA](#) to manage contributor agreements and committer access to project repositories.

› Each participating organization designates a "CLA Manager" to use EasyCLA to set up a access list of employees that are authorized to commit code to the project repositories.
  › A CLA Manager is required for each project; however it may be the same person.
  › The access list may be managed by individual, or by domain.
  › The time commitment is typically 10 minutes to setup the access list, then a few minutes whenever the access list must be updated due to incoming/outgoing committers.

› CLA Manager qualifications:
  › Authorized by company/organization to make decisions about who may commit code to the project repositories
  › Has a LFID

› ACTION: Please contact the TPM/CA for each project in which you participate and identify a CLA Manager from your organization.

Networking Training Courses

The Linux Foundation provides several online training and certification programs related to open networking (both free and paid options). Thousands of networking professionals have already enrolled in these courses. Current offerings include:

› Networking & 5G
› Automation & MANO
› Integration & Testing
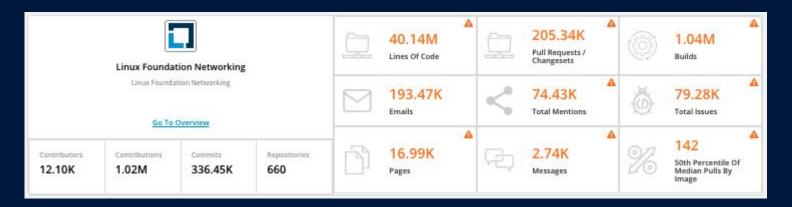› Software Defined Networking
› Edge Networking

Learn more and enroll:
https://www.lfnetworking.org/resources/networking-training-courses/

Visit the LFN Dashboard on LFX

LFX is a toolkit built to facilitate every aspect of open source development. It's a one stop shot to monitor the health of your projects and communities, maintain operations, and grow your ecosystem with tools built for contributors.

Visit the LFN Dashboard here: https://insights.lfx.linuxfoundation.org/projects/lfn-f

Get Involved with
LFN Marketing

Ways to Engage with LFN Marketing

LFN MAC

News Sharing & Promotion

Blogs, Webinars, Social

Demos / POCs

Events: Hosting, Speaking, Attending

Get Involved with LFN Marketing

› New Member Announcements (Jill)
  › Members are featured in quarterly LFN new member announcements
  › LFN can provide executive quotes for your own press releases
› Member Spotlight Blogs (Jill)
  › New members are eligible to be featured on LFN blog, newsletter, social media promos, etc.
  › LFN also welcomes other (vendor neutral) guest content on our blogs
› News and Social (Jill)
  › Follow us on Twitter, LinkedIn, and retweet our news. We can also cross-promote your channels
    › LFN Twitter: https://twitter.com/LF_Networking
    › LFN LinkedIn: https://www.linkedin.com/company/lf-networking/

Get Involved with LFN Marketing

› LFN Webinar Program (Brandon)
  › Covers a wide range of projects, integrations, use cases
  › Members are welcome to submit topics/proposals
  › Webinar Submission Form

› Community Demos (Brandon)
  › LFN Community Demo: 5G Cloud Native Network. Learn more.
  › We often feature community demos in our booths at conferences – contact us if you have a demo featuring LFN projects

› Open Networking & Edge Summit (ONES) (Brandon)
  › Flagship event for LFN & LF Edge. Many ways to participate; including the CFP, demo participation, and sponsorship

› Open Source Networking Days & User Group Meetups (Brandon)
  › Full day, regional events, catering, sponsors, LFN speaker
  › Informal meetups on networking topics, food & beverages provided

Join us at Upcoming Events

Events Calendar: https://lfnetworking.org/projects/networking/events/display/

Technical Community Events
- Developer & Testing Forum, Virtual (3-4x a year)
- Next Meeting Date/Time TBD
- Technical Events are always free to all attendees. Registration required
- Technical Community Events Details:
  https://wiki.lfnetworking.org/display/LN/LFN+Community+Events

Upcoming Events
- March 9: Linux Foundation Spring Member Meeting
- March 10-12: Open Networking & Edge Executive Forum (ONEEF)
- Oct 11-12: Open Networking & Edge Summit (ONES)

Display LFN Project Logos & Membership Badges

Members often display the logos of LFN Projects where they are an active participant. If you would like to use a LFN Project logo and/or member logo, please email: bwick@linuxfoundation.org.

Anuket

Brief Description

Delivers a common model, standardized reference infrastructure specifications, and conformance and performance frameworks for virtualized and cloud native network functions. The project is a merger of Open Platform for NFV (OPNFV) and the Cloud iNfrastructure Telco Taskforce and was officially launched on January 27, 2021.

Key Contacts

Al Morton - TSC Co-chair, AT&T

Walter Kozlowski - TSC Co-chair, Telstra

Key Links

Website: anuket.io

Wiki: wiki.anuket.io

Documentation: docs.anuket.io

Bug Tracking / Reporting: jira.anuket.io

List of Current Projects: wiki.anuket.io/display/PROJ/Projects

List of all Technical Meetings and how to participate: Getting Started

Key LFN Contacts:
Jim Baker - Technical Program Manager - jbaker@linuxfoundation.org

Brandon Wick - Sr. Marketing Manager - bwick@linuxfoundation.org

FD.io

Brief Description

Open Source high-performance IO services framework for dynamic computing environments.

Contributed by

Cisco in 2016

Key Contacts

Edward Warnicke - TSC Chair, Cisco

Key Links

Website: fd.io

Wiki: wiki.fd.io

Code: https://git.fd.io/

Documentation: Can be found on the wiki

Bug Tracking / Reporting: https://gerrit.fd.io/r/

List of Current Projects: Approved Projects

List of all Technical Meetings and how to participate: Calendar

Mailing Lists: https://lists.fd.io/g/main

Key LFN Contacts

Trishan de Lanerolle - Technical Program Manager - tdelanerolle@linuxfoundation.org

Jill Lovato - Sr. PR Manager - jlovato@linuxfoundation.org

Open Network Automation Platform (ONAP)

Brief Description
Design, creation, orchestration, monitoring, and life cycle management of open source and commercial VNFs and CNFs and legacy networks.

Contributed by
Formed by the merger of ECOMP and Open-O (Feb 2017)

Key Community Contacts
Catherine Lefevre, TSC Chair, AT&T
Lingli Deng, TSC Vice-Chair, CMCC

Key LFN STaff Contacts
Kenny Paul - Technical Program Manager - kpaul@linuxfoundation.org
David McBride - Senior Technical Release Manager - dmcbride@linuxfoundation.org
Brandon Wick - Sr. Marketing Manager - bwick@linuxfoundation.org

Key Links

Website: https://www.onap.org

Wiki: wiki.onap.org.

Gerrit: https://gerrit.onap.org/

Documentation: docs.onap.org

Bug Tracking / Reporting: jira.onap.org

Slack: onapproject.slack.com

List of Current Projects: https://wiki.onap.org/x/spRk

List Meetings: https://wiki.onap.org/x/tQCLBQ

Primary mailing list: onap-discuss@lists.onap.org

Technical Steering Committee (TSC):
https://wiki.onap.org/x/OAJI

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OpenDaylight

Brief Description

Open source SDN Controller with largest ecosystem and deployment footprint.

Contributed by

Cisco in 2013

Key Contacts

TSC Chair: Guillaume Lambert, Orange

Key LFN Contacts
Casey Cain - Technical Program Manager -
ccain@linuxfoundation.org

Brandon Wick - Sr. Marketing Manager -
bwick@linuxfoundation.org

Key Links

Website: www.opendaylight.org

Wiki: wiki.opendaylight.org

Gerrit: git.opendaylight.org/gerrit

Documentation: docs.opendaylight.org

Bug Tracking / Reporting: Jira.opendaylight.org

List of Current Projects: Projects

Code: git.opendaylight.org

List of all Technical Meetings and how to participate: Meetings List

Mail Lists: discuss@lists.opendaylight.org
Tag with #help in the subject line

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PNDA

Brief Description

Scalable big data analytics platform for networks and services.

Key Contacts

Donald Hunter, Primary Project Contact, Cisco

Key Links

Website: pnda.io

Wiki: wiki.onap.org - Questions option on the wiki.

Documentation: pnda.io/guide

Bug Tracking / Reporting: issues.pnda.io

Support Email: discuss@lists.pnda.io
If you need support, please send your questions to the pnda-users group rather than filing a GitHub issue.

Key LFN Contacts:
Casey Cain - Technical Program Manager - ccain@linuxfoundation.org

Brandon Wick - Sr. Marketing Manager - bwick@linuxfoundation.org

SNAS

Brief Description

Distributed, low-footprint collector leveraging high performing message bus for real-time BGP predictive analytics.

Contributed by

Key Contacts

Alistair King, Technical Lead, Caida - alistair@caida.org

Key LFN Contacts

Trishan de Lanerolle - Technical Program Manager - tdelanerolle@linuxfoundation.org

Brandon Wick - Sr. Marketing Manager - bwick@linuxfoundation.org

Key Links

Website: www.snas.io/

Documentation: https://www.snas.io/docs/

Mail Lists: https://snas.groups.io

List of Mailing Lists: https://snas.groups.io/g/main

Chat: https://gitter.im/snas/General on Gitter

Support Email: Email: discuss@snas.groups.io

Getting started with SNAS - https://www.snas.io/gettingstarted/getting_started/

Tungsten Fabric

Brief Description

A software-defined network & security fabric built for rapid deployment at scale.

Contributed by

Juniper Networks in April 2018

Key Contacts

TSC Chair Elections in February 2021

Key Links

Website: www.tungsten.io

Wiki: wiki.tungsten.io

Gerrit: gerrit.tungsten.io

Bug Tracking / Reporting: jira.tungsten.io

List of all Technical Meetings and how to participate: Meetings List

Mail Lists: Mailing List; discuss@lists.tungsten.io

Key LFN Contacts:
Casey Cain - Technical Program Manager
ccain@linuxfoundation.org

Brandon Wick - Sr. Marketing Manager
bwick@linuxfoundation.org

XGVela

Brief Description
An open source cloud native PaaS for applications and telco network functions to enable new services.

Contributed by
China Mobile
Seed code by Mavenir

Key Contacts
TSC Chair and Co-Chair

Key LFN Contacts

Louis Illuzzi - Technical Program Manager - lilluzzi@contractor.linuxfoundation.org

Brandon Wick - Sr. Marketing Manager - bwick@linuxfoundation.org

Key Links

Website: https://xgvela.org/

Wiki: https://github.com/XGVela/XGVela/wiki

Documentation

Bug Tracking / Reporting: https://github.com/XGVela/XGVela/issues

List of Current Projects: XGVela

Code: https://github.com/XGVela

List of all Technical Meetings and how to participate: Meetings

Mail List

Strategic Discussion

- What are your short and long term goals as an LF Networking member?