



LFN Developer & Testing Forum

Intro to Open Source and LFN

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About the Linux Foundation

The Linux Foundation is creating the **greatest shared technology investment in history** by enabling open source collaboration across companies, developers, and users.

Much more than just Linux



Security

We are helping global privacy and security through a program to encrypt the entire internet.



Networking

We are creating ecosystems around networking to improve agility in the evolving software-defined datacenter.



Cloud

We are creating a portability layer for the cloud, driving de facto standards and developing the orchestration layer for all clouds.



Automotive

We are creating the platform for infotainment in the auto industry that can be expanded into instrument clusters and telematics systems.



Blockchain

We are creating a permanent, secure distributed ledger that makes it easier to create cost-efficient, decentralized business networks.



Web

We are providing the application development framework for next generation web, mobile, serverless, and IoT applications.



We are regularly adding projects; for the most up-to-date listing of all projects visit tlfprojects.org

What is LF's role in projects?

Governance and Membership	<ul style="list-style-type: none">• Incorporation, Tax status, Bylaws, Member Agreements, Anti-trust, etc.• Ongoing business development and membership recruitment
Development Process	<ul style="list-style-type: none">• Technical Decision Making• Project Life Cycle• Release Process
Infrastructure	<ul style="list-style-type: none">• Custom infrastructure using open source best practices• Security and reliability
Ecosystem Development	<ul style="list-style-type: none">• Marketing• Events• Training
IP Management	<ul style="list-style-type: none">• Code Provenance• Trademark management• Legal defense and Collaboration

It Pays to Give Back

It is a competitive advantage for companies to allow developers to contribute.



"New research by Assistant Professor Frank Nagle, a member of the Strategy Unit at Harvard Business School, shows that paying employees to contribute to such software boosts the company's productivity from using the software by as much as 100 percent, when compared with free-riding competitors."

<https://hbswk.hbs.edu/item/the-hidden-benefit-of-giving-back-to-open-source-software>

The background of the slide is a high-resolution satellite or space photograph of the Earth, showing the curvature of the planet, blue oceans, green landmasses, and white cloud cover. The top portion of the image is dark, representing the blackness of space.

LF
NETWORKING

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LF Networking Project Umbrella



LF Networking Governance

Chair: Junlan Feng, China Mobile

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

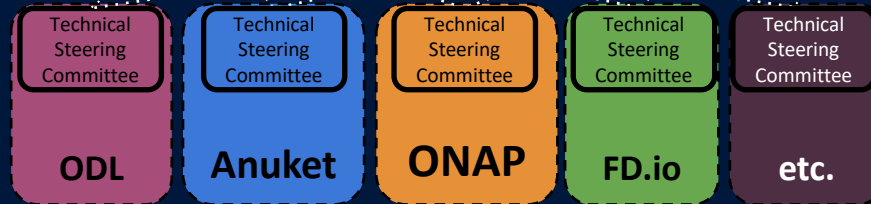


- Budget
- Strategy
- Legal



- Cross-project collaboration
- Converged Infrastructure
- New LFN Project Induction
- Developer & test events
- Technical voice to GB

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



Linux Foundation Networking Staff

Leadership

- Arpit Joshipura, General Manager, Networking
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- Heather Kirksey, VP Ecosystem and Community
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- Mike Woster, CRO and LF Networking Membership
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Marketing

- Jill Lovato, PR Lead
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- Brandon Wick, Marketing Lead
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Technical Operations

Casey Cain - Technical Program Manager

OpenDaylight, PNDA, Tungsten Fabric, New Member Management, LFN Webstore, LFN Internships, LFN User Groups, TAC
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Trishan de Lanerolle - Technical Program Manager & Community Architect

FD.io, SNAS.io, ORAN-SC*, DANOS*, DENT*, DPDK*, OvS*, FRR*, Open19*, Network Grade Linux*, Academic Outreach
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David McBride - Sr Technical Release Manager

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Kenny Paul - Technical Program Manager

ONAP, LFN Governing Board, Strategic Planning & Finance Committee
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Louis Illuzzi - Program Manager

New Project Onboarding - xGVela, ODIM, 5G Demo, Special Projects
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Jim Baker - Technical Program Manager

Anuket, End User Advisory Group & Compliance and Verification Committee support
jbaker@linuxfoundation.org

Ways to get involved



Join TSC calls
and subscribe to
project mailing
lists



Attend Hackfests,
Plugfests and
developer events



Contribute to
release
documentation



Provide your
deployment
feedback through
the EUAG



Search for Open
Bugs, or Report a
New One, in the
project JIRAs



Start or join a
local OSN User
Group [Meetup](#)



Define compliance
and verification
test cases



Review and
submit code
patches

First a little bit about LFN Marketing

LFN MAC

News Sharing
& Promotion

Blogs,
Webinars,
Social

Demos / POCs

Events:
Hosting,
Speaking,
Attending

You're Ready to Contribute Code



Get to know the Neighbors



DO

DON'T

- Get to know your community as people
- Subscribe to mailing lists, Slack channels & attend meetings
- Ask Questions
- Listen, Listen, Listen
- Offer to help with non-technical tasks

- Forget to RTFM
- Assume your way is a better way
- Be Rude
- Be intimidated
- Be seen as pushing a corporate agenda

Upstream First



But Beware of Bears



DO

DON'T

- Involve the community in feature design
- Explain your motivations/use case
- Submit code in small patches
- Expect to spend time teaching others your code
- Take feedback
- Review others' code
- Be Respectful

- Drop huge patches and expect them to be integrated
- Don't drop "drive by code"
- Replicate something that already exists
- Make your code the community's problem
- Treat the Release Manager like your personal resource
- Take feedback personally
- Focus only on your feature code

Don't just RTFM; Help Write TFM



Get Involved in Test & Integration



EARN Trust by Contributing



As you grow, help the newbies



Open Source Networking User Groups

- 37 Groups – 23 Countries – 6,411 Members
- Open Source Networking User Groups are locally managed groups passionate about network transformation through open source
- Groups hold 2-4 meetups per year
- See the global network of groups and upcoming meetups:

<http://community.lfnetworking.org/>





Open Source is a Team Sport





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Questions?

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