



Nephio TSC Meeting

March 14, 2024

 **LF** NETWORKING

 **THE LINUX** FOUNDATION

Antitrust Policy Notice

- › Linux Foundation meetings involve participation by industry competitors, and it is the intention of the Linux Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.
- › Examples of types of actions that are prohibited at Linux Foundation meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at <http://www.linuxfoundation.org/antitrustpolicy>. If you have questions about these matters, please contact your company counsel, or if you are a member of the Linux Foundation, feel free to contact Andrew Updegrave of the firm of Gesmer Updegrave LLP, which provides legal counsel to the Linux Foundation.

Meeting Information

- › Zoom Meeting Information
- › <https://zoom-lfx.platform.linuxfoundation.org/meeting/91267803435>
- › Note: Anyone that accesses the link will be prompted to register for the meeting at which point they also add themselves to the invite list.

Etherpad - Meeting Minutes

- › <https://etherpad.lfnetworking.org/p/Nephio-TSC-2024-03-14>
- › Join the etherpad and set up your name and text color
- › Meeting attendance - no longer needed unless quorum is being tracked for a vote during the meeting. LFX tools zoom log will be uploaded post meeting to capture all attendees.
- › Please help: The more that participate, the better the minutes

Using the Mail Lists

- › All groups.io email lists are <list name>+subscribe to subscribe, just email it (content does not matter)
- › **TSC**
Post: nephio-tsc@lists.nephio.org
Subscribe: nephio-tsc+subscribe@lists.nephio.org
- › **Development**
Post: nephio-dev@lists.nephio.org
Subscribe: nephio-dev+subscribe@lists.nephio.org
- › **SIG Automation**
Post: sig-automation@lists.nephio.org
Subscribe: sig-automation+subscribe@lists.nephio.org
- › **SIG NetArch**
Post: sig-netarch@lists.nephio.org
Subscribe: sig-netarch+subscribe@lists.nephio.org
- › **SIG Release**
Post: sig-release@lists.nephio.org
Subscribe: sig-release+subscribe@lists.nephio.org
- › **SIG Security**
Post: sig-security@lists.nephio.org
Subscribe: sig-security+subscribe@lists.nephio.org
- › Once you have subscribed, login to lists.nephio.org (ask for a link to be sent), then edit account details

TSC Members

Name / Alternate	Organization
Alessandro D'Alessandro / Fabrizio Moggio	TIM
Bala Varadaraju	RedHat
Bernard Tsai	Deutsche Telekom
Ciaran Johnston	Ericsson
Eric Debeau	Orange
Hunor Demeter / Padma Sudarsan	VMware/Broadcom
Iain Wilkinson / Riccardo Gasparetto Stori	Vodafone
Kandan Kathirvel (Chair)	Google
Raj Panchapakesan / Rahul Jadhav	AccuKnox

Name / Alternate	Organization
Ravi Ravindran	F5
Sagar Arora	OpenAirInterface
Sana Tariq (Vice-Chair)	TELUS
Sandeep Sharma	Aarna Networks
Sebastian Scheele	Kubernatic
Seshu Kumar Mudiganti	Wind River
Sundar Nadathur	Intel
Timo Perala	Nokia
Victor Morales	Samsung

Agenda

- › Antitrust Policy, Minutes, and Action Items
- › SIG Status
 - › SIG1- NetArch [Sana & Alexis]
 - › SIG2- Automation [Tal & Wim]
 - › SIG3- Release [Balaji & Radoslaw]
 - › SIG4- Security [Rahul & Tom]
- › Events
 - › ONE Summit Registration Reminder
 - › Nephio R3 Developer Event @ ONE Summit D&TF
 - › Nephio India Meetup - LFN Sponsorship
- › Other Topics
 - › LFN Committee Representatives
 - › LFN Badge Program
 - › Mentorship Program
 - › Actions
- › Q&A



SIG Updates

 LF NETWORKING

 THE **LINUX** FOUNDATION

SIG1 NetArch [Sana & Alexis]

>

SIG2 Automation [Tal & Wim]

>

SIG3 Release [Balaji & Radoslaw]

>

SIG4 Security [Rahul & Tom]

- › Security Best Practices
 - › OSSF Score improved to 7.4
 - › OSSF Best practices = 73%
- › Identity & Access Management
 - › User Identity
 - › Workload Identity
- › Rx Scope
 - › Presented to Rx scope
- › Next Steps:
 - › Present challenges with improving the OSSF score further.
 - › Next steps with workload identity.

Nephio

The Nephio project is building a Kubernetes-based automation platform for deploying and managing highly distributed, interconnected workloads such as 5G Network Functions, and the underlying infrastructure on which those workloads depend.

openssf scorecard 7.4 openssf best practices in progress 73%

Events

 LF NETWORKING
 THE **LINUX** FOUNDATION

ONE Summit - Register!

- › [Register](#)
 - › Standard rate ends **31 March**
- › [Schedule:](#)
 - › <https://events.linuxfoundation.org/one-summit-north-america/program/schedule/>
- › Mini summits / co-located events confirmed:
 - › LF Networking Developer & Testing Forum
 - › SONiC mini summit
 - › **OpenGovCon: 6G Innovation Day**
- › Get in front of the audience and [sponsor ONE Summit!](#)



** We are offering event registration discount for organizations contributing to Nephio. Please reach out to Sunny <scai@linuxfoundation.org> for details

Nephio R3 Developer Event @ ONE Summit D&TF

- › [Nephio R3 Developer Event @ ONE Summit wiki page](#)
- › [LFN D&TF wiki page](#)

2024-05 LFN Developer & Testing Forum (Co-located with ONE Summit)

Created by Casey Cain, last modified on Mar 12, 2024

By the Technical Community, For the Technical Community.

 02 May 2024 -  03 May 2024

**Accelerate project collaboration, influence technical decisions,
build cross-project competence**

- Welcome
- General Information For Developers
- Details for Presenters
- LFN Staff Support
- Additional Information

Welcome

We are thrilled to host you in this vibrant gathering of minds, innovators, and leaders in the field of networking to our Developer & Testing Forum taking place following the ONE Summit from

 02 May 2024 and  03 May 2024 .

This forum represents a unique opportunity to engage with the latest advancements in open networking and to collaborate on shaping the future of this dynamic industry. As we gather here, our shared goal is to drive innovation, forge new connections, and work collectively towards

Registration

- **Event Schedule (TBA)**

- **Submit Sessions**

... see your ... to

attend! << LOOK!

- D&TF Slack Instance #hallway
- Event Survey
- Feedback events@lfnetworking.org

Community Program

Committee Leads:

- Anuket: [@BethCohen](#) , [@GergelyCsatari](#)
- L3AF:
- ONAP:
- OpenDaylight: [@Venkatesan](#)

Submit Sessions

2024-05 LFN Developer Event Sessions

Created by Casey Cain, last modified on Jan 19, 2024

Tips for Advertising, Planning, and Managing your Sessions

SESSION SUBMISSION DEADLINE- TBA

All sessions must be delivered locally on site.

Session Information

- Submit a Session
- Plenary Sessions
- AI Sessions
- OpenDaylight Sessions
- ONAP Sessions
- Anuket Sessions
- XGVela Sessions
- ODIM Sessions
- L3AF Sessions
- 5G Super Blueprint Sessions
- ED.io Sessions
- **Nephio Sessions**
- Adjacent Networking Sessions



Registration

- **Event Schedule (TBA)**
- **Submit Sessions**
- Convince Your Boss to attend! << **LOOK!**
- D&TF Slack Instance #hallway
- Event Survey
- Feedback events@ifnetworking.org

Scroll Down to Submit

- AI Sessions
- OpenDaylight Sessions
- ONAP Sessions
- Anuket Sessions
- XGVela Sessions
- ODIM Sessions
- L3AF Sessions
- 5G Super Blueprint Sessions
- FD.io Sessions
- Nephio Sessions
- Adjacent Networking Sessions

• Event Schedule (TBA)

- Submit Sessions
- Convince Your Boss to attend! << LOOK!
- D&TF Slack Instance #hallway
- Event Survey
- Feedback events@lfnetworking.org

Submit a Session

Add your session proposal by clicking the appropriate button below.

Plenary	ODL	5G-SBP
AI	ONAP	Anuket
XGVela	Nephio	ODIM
FD.io	Adjacent Networking Project	L3AF


Plenary Sessions

Content by label

Click “Nephio”

2024-05 - Nephio: Session Name

Short Description

 Excerpt

On this line set the length of the session and tag the name(s) of the topic leader(s) using the @macro || Example: 60m, @hostymchostface

On this line, please enter a brief session description here. Please do not add full topic descriptions, multiple paragraphs, or meeting notes in this field.

Topic Overview

Please provide your detailed topic abstract here. Multiple paragraphs OK

Session Type

**** Please place an X next to your session type*

<input type="checkbox"/>	Interactive technical presentation and/or capability demo
<input type="checkbox"/>	Pre-Recorded technical presentation and/or capability demo
<input type="checkbox"/>	

Form auto-fills with prompts

Logistics

- › [RFP Process](#)
- › Anticipated attendance ~ 100 ppl
- › F&B
 - › light snacks during the break and all-day coffee/tea/water
- › [Details for Presenters](#)
 - › A/V

Nephio India Summit

- › LFN is providing a food & beverage sponsorship for the Nephio India Summit



Other Topics






 LF NETWORKING
 THE **LINUX** FOUNDATION


LFN Committee Representatives

- › [LFN Committee Representatives](#) wiki
- › [SPC - Strategic Planning Committee](#)
 - › Timo Perala
 - › Raj Panchapakesan
- › [TAC - Technical Advisory Council](#)
 - › Timo Perala
- › [MAC - Marketing Advisory Council](#)
 - › Raj Panchapakesan

LFN Badge Program + Nephio Contributor Awards

- › [Nephio R2 Contributor Awards](#)
- › [LFN Badge Program](#) wiki

Pages / LF Networking Wiki / Getting Started With LFN   Edit  Save for later  Watch  Share ...

 Analytics

Badges

Created by Casey Cain, last modified on Sep 11, 2023

- LFN-Level Badges
 - Overview
 - LFN Leader Badge
 - LFN Mentee Badge
 - LFN Mentor Badge
- Project-Level Badges
 - Overview
 - [Project] Contributor Badge
 - [Project] Committer Badge
 - [Project] 100 Commits Badge
 - [Project] Leader Badge
 - [Project] PTL Badge
 - [Project] Ambassador Badge

LFN-Level Badges

Overview

LFN-Level Badges are awarded annually in the first quarter to honor the prior year's leaders, mentors, and mentees for their exceptional contributions to the LFN community. Do you have a suggestion for a different badge or award, please propose that to the TAC at lfn-

Mentorship Program

- › [Launched 20 Feb](#)
 - › This is an opportunity to shape the next generation of networking innovations by guiding enthusiastic mentees.
- › [Program Details](#)
- › Deadline for Submission: **17 Mar 2024**
- › **18 Mar 2024**: Project TSCs will review and approve projects, ensuring alignment with our technical goals and community standards.
- › **20 Mar 2024**: The list of approved projects will be announced, and the program will be officially launched. The TAC will also review and approve the top 3 Mentorship projects via voice vote.

Actions

- › Licensing for Documentation Repo [Owner: Jenn Bonner]
 - › In-process with LF Legal
- › [FAQ Update](#)
 - › It seems some questions are too old for example "Q17: What are the timelines of Nephio?"

Backups

 LF NETWORKING
 THE **LINUX** FOUNDATION

ONE Summit updates - Agenda is live

- › Tracks:
 - › Future of Innovation
 - › AI Implementation Across Telecom, Cloud, Enterprise & Edge
 - › Securing and Automating the Open End-to-End Network
 - › Deployment Use Stories: Where Slides Meet the Real World
- › Mini summits / co-located events confirmed:
 - › LF Networking Developer & Testing Forum
 - › SONiC mini summit
- › Get in front of the audience and [sponsor ONE Summit!](#)



The banner features a dark background with a green molecular structure icon on the left. The text 'ONE SUMMIT' is prominently displayed in white. To the right, there are logos for 'LF NETWORKING', 'LF EDGE', and 'THE LINUX FOUNDATION'. Below the main title, the location 'SAN JOSE, CA' and dates 'APRIL 29 - MAY 1, 2024' are listed in white boxes. A central white box contains the text 'SESSION AGENDA NOW LIVE!' in bold black letters. Below this, a paragraph of white text describes the summit's focus on AI, Cloud Native Networking, Edge, Security, and more. At the bottom, a green bar contains the text 'Register today and be part of the future of networking' in white.

ONE SUMMIT

SAN JOSE, CA

APRIL 29 - MAY 1, 2024

SESSION AGENDA NOW LIVE!

ONE Summit brings top technical & executive experts from across the industry, covering the latest trends and innovations in AI, Cloud Native Networking, Edge, Security, and more.

Register today and be part of the future of networking

** We are offering event registration discount for organizations contributing to Nephio. Please reach out to Sunny <scail@linuxfoundation.org> for details

ONE Summit - Nephio Session Highlights

Tuesday, April 30

- › [Lessons Learned from Using Nephio to Manage a Real-World 5G Core](#)
 - › István Kispál, Nokia
- › [Nephio & Gen AI: Empowering Efficiency in 5G/O-RAN and Beyond](#)
 - › Sana Tariq, Telus Canada & Alexis de Talhouët, Red Hat
- › [Intent Driven Orchestration for Autonomous Networks Leveraging GenAI, Nephio & ONAP](#)
 - › Keguang He, China Mobile & Ganesh Narayan, Infosys
- › [Running Complex Network Function Workloads with Nephio](#)
 - › Ciaran Johnston, Ericsson & Stephen Wong, Google
- › [Code Vs. Data: Optimizing NFV Orchestration with Nephio](#)
 - › Tal Liron, Google

Wednesday, May 1

- › [Nimbus: Intent Driven Security Automation for Telco/5G Security](#)
 - › Rahul Jadhav, Accuknox
- › [Automating Private 5G Network Functions and Infra with Nephio](#)
 - › Sriram Rupanagunta, Aarna Networks
- › [Lifecycle Management of OAI O-RAN Network Functions via Nephio](#)
 - › Sagar Arora, OpenAirInterface Software Alliance; Alexis de Talhouët, Red Hat; Sana Tariq, Telus Canada

[View the full event schedule here!](#)

OpenGovCon: 6G Innovation Day

A focused experience built to accelerate federal service delivery. Join us as we connect federal policy owners, federal mission owners, and innovative federal and commercial solution providers through roundtable discussions, lightning talks, and hands on experiences to both inspire and provide practical next steps to benefit the American networking, communications, and access industry.

OpenGovCon will highlight the threats facing 6G design and implementations, public digital infrastructure and provide real word/practical examples of putting the regulatory and best practices examples by the DOD, NSA, NIST, CISA, NITA, DISA, and LF Networking, into production.