



Nephio TSC Meeting

March 28, 2024

 **LF** NETWORKING

 **THE LINUX** FOUNDATION

Antitrust Policy Notice

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- › 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-2024-03-28>
- › 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 [Jenn]
 - › Nephio R3 Developer Event @ ONE Summit D&TF [Kandan]
 - › Nephio India Meetup [Raj]
- › Other Topics
 - › LFN best practices score [Ciaran]
 - › Actions
- › Q&A



SIG Updates

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SIG1 NetArch [Sana & Alexis]

- › In progress
 - › Architecture
 - › Draft component diagram
 - › Scope process
 - › User Story process, from idea to release
 - › R3 priorities
 - › Initial draft for R3 priorities
- › Scope
 - › 6 user stories approved for Rx
 - › O-RAN use case
- › Brainstorming for R3 and Beyond
 - › Lifecycle Management: CaaS, NF
 - › GenAI

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

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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](#)

Nephio India Summit

A dark blue poster with a wavy, textured background. At the top left is the AccuKnox logo, which consists of a hexagon with a cube inside, followed by the text 'ACCUKNOX'. Below this is the main title 'Nephio India Meetup' in a large, bold, white font, followed by the date '4 April | Spring 2024' in a slightly smaller bold white font. Underneath the date, there are two lines of text in a smaller white font: 'Kandan Kathirvel, Product lead, Telecom, Google Cloud' and 'Raj Panchapakesan, Global Partnerships Head, AccuKnox'. At the bottom of the poster, there are two logos side-by-side: the Linux Foundation logo (a square with a stylized 'L' and the text 'LINUX FOUNDATION') and the Nephio logo (three overlapping blue circles above the text 'NEPHIO').

 ACCUKNOX

Nephio India Meetup

4 April | Spring 2024

Kandan Kathirvel, Product lead, Telecom, Google Cloud
Raj Panchapakesan, Global Partnerships Head, [AccuKnox](#)

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 **NEPHIO**

Other Topics

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LFN Best Practices Score

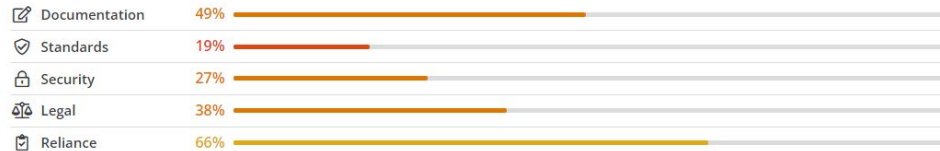
Proposal: TSC sets a per-release goal to improve the LFN insights score

- e.g. > 50% in R3, 60% in R4, ...

Rationale:

- “Graduated” project status should indicate a certain (measurable) quality bar
- Demonstrates an intent to focus on quality in the project
- Presumably the metrics are actually an indicator of good quality and are therefore worth achieving in their own right - otherwise we should propose they change

Best Practices Score ⓘ



Actions

- › [FAQ Update](#) [Kandan]
- › LF PMO to share details about LFN programs (mentorship, badging) during upcoming Nephio TSC (April 11, 2024) [Casey Cain]
- › TSC leadership to choose DST policy (anchor to PT, CET, or GMT/Coordinated Universal) [All/Jenn]

Backups

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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 network diagram on the left with the text "ONE SUMMIT". To the right, it specifies the location "SAN JOSE, CA" and dates "APRIL 29 - MAY 1, 2024". Logos for "LF NETWORKING", "LF EDGE", and "THE LINUX FOUNDATION" are in the top right. A central white box contains the text "SESSION AGENDA NOW LIVE!". Below this, it states "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." At the bottom, it says "Register today and be part of the future of networking".

ONE SUMMIT

SAN JOSE, CA

APRIL 29 - MAY 1, 2024

LF NETWORKING LF EDGE THE LINUX FOUNDATION

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 <scai@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!](#)

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**

• **Submit your session 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
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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
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- 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