

# 2024-05 LFN Developer Event Sessions

Tips for Advertising, Planning, and Managing your Sessions

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## Registration

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## Submit a Session

Add your session proposal by clicking the appropriate button below.

Please note that all sessions will be presented in person at the San Jose Convention Center, California.

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## Plenary Sessions

- [2024-05 - Plenary: Welcome Session](#) — 30m [Casey Cain](#) [LJ Illuzzi](#) [Sandra Jackson](#) [Jennifer Bonner](#)

Welcome session to the D&TF.

## AI Sessions

- [2024-05 - AI: recent trends in Intelligent Networking Industry: Adoption progresses, but challenges remain](#) — 60m [Beth Cohen](#) [Ranny Haiby](#) [Lingli Deng](#)

Introduction to the LFN AI Taskforce and recent trends in Intelligent Networking

## ONAP Sessions

- [2024-05 - ONAP: CPS Demo](#) — 60m, Demo of the latest developments in CPS-Core  
This demo will cover the latest new features and improvements in CPS.
- [2024-05 - ONAP: Cross community collaboration a case study](#) — 30m, Cross community collaboration a case study through operators.  
We try to understand how different OSS could be collaborated through the latest trends in cloud-native technology.

Explain the recent updates on what and how K8s operator works and how Nephio uses them now. Use of a K8s operator in the automation through Gitops.

We will then showcase this with a demo.

#Nephio #ONAP #ORAN-SC #ECMO

- [2024-05 - ONAP: New Delhi Release Status Highlights and Oslo Roadmaps](#) — 30m, ONAP New DelhiRelease Status Highlights and Oslo release roadmaps.
- [2024-05 - ONAP: OOM Enhancement - New Delhi](#) — 30m, ONAP OOM will present OOM enhancements for individual component deployment and security.
- [2024-05 - ONAP: Operational Security for Open Source 5G Mobile Networks](#) — 30m @Maggie Cogdell @Yatis Dodia  
General: Operational Security for Open Source 5G Mobile Networks-Update
- [2024-05 - ONAP: Quality, Assurance and Security in software development pipeline](#) — 30 minutes [Muddasar Ahmed](#) Quality, Assurance and Security in software development pipeline. We will discuss how ONAP incorporated OpenSSF and other best practices to improve quality and security and assurance gates working with LF-IT.
- [2024-05 - ONAP: TSC Initiatives for ONAP Roadmaps and Strategies](#) — 60m, ONAP TSC will present the ONAP roadmaps and strategies for the current and future releases.

## Anuket Sessions

- [2024-05 - Anuket: Project Value and Future Direction](#) — 60 minutes [Beth Cohen](#) [Gergely Csatari](#)  
Six years in, Anuket is more important than ever,
- [2024-05 - Anuket: RA2 Pieman update and Q planning](#) — 60m [Gergely Csatari](#) , [Riccardo Gasparetto Stori](#) (virtually)
- [2024-05 - Anuket: What constitutes Telco PII Data - Defining the scope for anonymization and synthetic data generation](#) — 45 mins [Sridhar Rao](#)

## CNTI Sessions

- [2024-05 - CNTI: CNF-Testsuite for Contributors and Advanced Users](#) — 60m, [Martin Matyáš](#)  
CNF-Testsuite deep-dive for contributors and advanced users.
- [2024-05 - CNTI: CNF-Testsuite Usage Introduction and Certification Demo](#) — 60m, [Martin Matyáš](#)

Introduction to cnf-testsuite usage. Demo of the CNTi Certification.

## L3AF Sessions

- [2024-05 - L3AF: Session Name](#) — L3AF: Simplifying the orchestration of eBPF programs in virtualized environments at enterprise scale [Jay Sheth](#) || 30m. Schedule for Friday May 3 around 11AM

This session will introduce L3AF platform, which manages the complete lifecycle of eBPF programs on hosts at enterprise scale

## Nephio Sessions

- [2024-05 - Nephio: Let's discuss and improve Nephio Test-Infra project](#) — 60 minutes, [Victor Morales](#)

Nephio Test-Infra project is a swiss army knife that contains multiple resources from Ansible playbooks to provision a Nephio Sandbox VM to End-to-End testing bash scripts which guarantee the correct functionality of Nephio components. This session pretends to walkthrough the different part of the project, discuss alternatives to improve it, evaluate alternative implementations, and eventually collect feedback from the attendees to simplify its usage.

- [2024-05 - Nephio: Nephio R3 Developer Event](#) — Full day event on Thursday, May 2nd, multiple presenters  
3rd Nephio developer/community summit to celebrate the second release, discuss upcoming third release goals, and next steps.
- [2024-05 - Nephio: Open discussion on future of Porch](#) — 60min, formally proposed here by [Istvan Kispal](#) , but the discussion is open, and may be moderated by SIG2 leaders ([Tal Liron](#) or [Wim Henderickx](#), but I haven't asked them yet)

Brainstorming on how we see the future of the Porch project and it's role in the Nephio ecosystem

- [2024-05 - Nephio: Porch in R3](#) — 60m, Open discussion moderated by [Liam Fallon](#) and possibly [Tal Liron](#) (but I haven't asked him yet)

Porch, with its current architecture, will be at the heart of Nephio for at least the next release and possibly for some following releases. There are issues in Porch that require attention for those upcoming releases, so consolidation of the current Porch component is required in R3 and possibly for longer. This issue describes the consolidation activities on Porch in Nephio R3 (to be released in May/June 2024).

- [2024-05 - Nephio: Scaling the Kubernetes API to support large-scale networks](#) — 60m, [Ciaran Johnston](#) [Gergely Nagy](#)

Nephio leverages Kubernetes as the automation control plane at each layer of the stack in order to simplify the overall automation and enable declarative management with active reconciliation for the entire stack. Managed resources are modelled in KRM and many are custom resource definitions that are created in the Kubernetes API server in the management cluster to enable active reconciliation by operators.

There are some concerns over the scalability of this solution for certain use cases. To bottom these concerns out, it is worthwhile looking at the potential numbers of CRs that will be created and defining some test cases to verify the upper bounds of those limits before we start to reach them in the wild.

In this session I will aim to propose some numbers - theoretical and possibly practical - and trigger a discussion on the future way forward.

## OpenDaylight Sessions

- [2023-11 - ODL: 2024.03 Calcium release highlights](#) — 60m, [Robert Varga](#)

This session will provide an overview of the improvements made in the 2024.03 Calcium Simultaneous Release.