2023-11 LFN Developer Event Sessions November

Tips for Advertising, Planning, and Managing your Sessions

> ⓘ **SESSION SUBMISSION DEADLINE- 11:59 PM Pacific time, November 1st**
>
> 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
- FD.io Sessions
- Nephio Sessions
- Adjacent Networking Sessions

Registration

- **Event Schedule**
- Sessions
- Convince Your Boss to attend! << LOOK!
- D&TF Slack Instance #hallway
- Event Survey
- Feedback events@lfnetworking.org
- Gergely's recommendations

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

- 2023-11 - Plenary: A Day in the Life of a TCA — Kenny Paul + staff 30 m

- 2023-11 - Plenary: An Introduction to GitHub Actions — An introduction to GitHub actions and workflow migrations from JJB and global-JJB templates. Matthew Watkins
- 2023-11 - Plenary: Closing Town Hall — 60 Kenny Paul Seshu Kumar Mudiganti Lingli Deng Gergely Csatari

  Review of the D&TF, Survey, next steps, and action items.
- 2023-11 - Plenary: LFN TAC 2024 Goal Planning — 60m Casey Cain Ranny Haiby Kenny Paul Olaf Renner

  TAC Face-to-Face meeting to set goals for 2024.
- 2023-11 - Plenary: LFN/CNCF CNF initiatives merge — 60m Ranny Haiby Gergely Csatari Kenny Paul - Please schedule late in the day for US PDT remote participation

  A working session to discuss the operational implications of merging the CNF initiatives from CNCF under LFN
- 2023-11 - Plenary: Opening and Welcome — 45m Heather Kirksey

  Opening & Welcome: Heather Kirksey LF VP of Community and Ecosystem

AI Sessions

- 2023-11 - AI: LFN AI Taskforce in-person work meeting — 90m, Kenny Paul , Casey Cain Lingli Deng

  Work meeting of the LFN AI Taskforce
- 2023-11 - Anuket: AI/ML in Networking - State of Art — *60m, Rohit Singh Rathaur Sridhar Rao*

  In this session we will share our findings on the State of AI/ML in Networking. The findings are outcome of a systematic survey on AI/ML specific to Networking usecases. The existing problems are solutions are divided into 5 main categories (Analysis, Detection, Prediction, Combination Problems and Generation). In each categories there are 4 sub-categories, resulting in 20 sub-categories. We will summarize the state of each of these problem categories/sub-categories. The session will also include demo of some of the important works in this domain, under different categories.
- 2023-11 - ONAP: AI-powered Closed-loop Autonomous Networks — 30min Dong Wang

AI/ML is one of the key technologies for closed-loop autonomous networks. This presentation plans to introduce possible AI/ML methods to enhance the capability of closed-loop autonomous networks based on ONAP.

OpenDaylight Sessions

- 2023-11 - ODL: 2023 The year of new contributors — 30m, Ivan Hrasko

  Discuss the impact of new contributors to the ODL in 2023.
- 2023-11 - ODL: 2023.09 Potassium overview — 60m, Robert Varga

  This session will provide an overview of changes delivered in the 2023.09 release.
- 2023-11 - ODL: 2024.03 Calcium lookahead and planning — 60m, Robert Varga

  Lookahead towards what is slated for delivery in our next major release.

ONAP Sessions

- 2023-11 - ONAP: ACM-R Instance Migration — 30min Saul Gill

  An important update to the ACM-R system has been made since the previous release. In addition to many other features, we now support live migration of instances from one Automation Composition Definition to another. These enhancements represent a natural progression of the functionality of ACM-R to support its growing user base.
- 2023-11 - ONAP: AI-powered Closed-loop Autonomous Networks — 30min Dong Wang

  AI/ML is one of the key technologies for closed-loop autonomous networks. This presentation plans to introduce possible AI/ML methods to enhance the capability of closed-loop autonomous networks based on ONAP.

- 2023-11 - ONAP: Alignment study of ONAP/ORAN with 3GPP SA5 in OAM — 30min Dong Wang

  There are some similar studies between ORAN/ONAP and 3gpp SA5 around key technologies such as intent-driven management, closed-loop control, and intelligent management, which require alignment study between ORAN/ONAP and 3gpp SA5.
- 2023-11 - ONAP: Commercial Deployment — 30m Ahmad Khalil

  A presentation to go over our journey to deploy ONAP in production network.
- 2023-11 - ONAP: CPS-NCMP Performance Improvements — 30min Toine Siebelink Lee Anjella Macabuhay

  CPS has made some extraordinary performance improvements This presentation is about the how, the lessons learned and how we now test and monitor our performance
- 2023-11 - ONAP: F2F TSC Meeting — 1 hour earlier than the normal time on 02 Nov 2023

  An event bridge will be provided for this call rather than the usual meeting brdge.
- 2023-11 - ONAP: Java 17 Upgrade for CPS and Policy Framework — 30 min: Gerard Nugent

  As part of Security and Dependencies upgrade deliveries, Policy Fmwk and CPS went through a Java version upgrade, from 11 to 17. In this presentation we bring the challenges, what went well, what could've improved and some snapshots of the applications, on how the new Java version affected their performance.
- 2023-11 - ONAP: Lessons Learned — 30m Ahmad Khalil

  A presentation to go over issues we faced during the productization of ONAP platform and rolling out use cases.
- 2023-11 - ONAP: ONAP Architecture Evolution - Streamlining Process — 60 min Byung-Woo Jun

  This session will describe ONAP Architecture evolution thru ONAP Streamlining process

  - ONAP is no longer a platform, rather it provides various network automation functions, and security reference configuration in LFN
  - ONAP enables individual function build, and component deployment thru CD - provide pick-and-choose facilitation to others
  - ONAP supports repository-based E2E service, NS, CNF and CNA onboarding and CD-based ONAP component triggering mechanisms
  - ONAP will become more intent-based and declarative and bring in more AI
  - ONAP continues to support the Service Mesh, Ingress, OAuth2, IdAM-based authentication and authorization, and consider sidecar-less solution such as KubeArmor for NF security
  - ONAP collaborates with ORAN SMO and Nephio

- 2023-11 - ONAP: ONAP Security Enhancements and Strategy for NF Security — 30min Andreas Geissler Byung-Woo Jun

  This session will describe ONAP Security Enhancements for the Montreal release and strategies for NF Security

- 2023-11 - ONAP: ONAP Streamlining Evolution - for individual ONAP component build and deployment thru CD — 30min Andreas Geissler Byung-Woo Jun

  This session will describe ONAP Streamlining Implementation for individual ONAP component build and deployment thru CD.

- 2023-11 - ONAP: ONAP Streamlining Evolution - Release Plan and Status — 30min David McBride Byung-Woo Jun

ONAP is executing the ONAP Streamlining evolution. This will provide a brief overview and release plan/status of ONAP Streamlining

- 2023-11 - ONAP: ONAP Streamlining Evolution - Use Cases of the GITops-based NF onboarding and CD-based orchestration in ONAP — 45min Kamel Idir Byung-Woo Jun

This session will describe use cases of the GITops-based NF onboarding and CD-based orchestration in ONAP.

Also, the study will share the E2E service model and NS onboarding concepts.

- 2023-11- ONAP: Intent Models, the Present and Future — 60m, Lingli Deng Xu Yang

ONAP, Nephio, 3GPP, ETSI, TMF, ... Currently multiple open source projects and SDOs are introducing and working on intent-based management of the network and infrastructures. This session plans to invite delegates from various open source projects and SDOs to share their progress in this area, and discuss how to enable collaborations and make the best usage of the technology.

Anuket Sessions

- 2023-11 - AAP status and Lab badging — 15min, Yan Yang Mengyuan Ma

Introduce the status of AAP and the blockers. and synchronize the content of lab certification

- 2023-11 - Anuket: AI/ML in Networking - State of Art — *60m, Rohit Singh Rathaur Sridhar Rao*

In this session we will share our findings on the State of AI/ML in Networking. The findings are outcome of a systematic survey on AI/ML specific to Networking usecases. The existing problems are solutions are divided into 5 main categories (Analysis, Detection, Prediction, Combination Problems and Generation). In each categories there are 4 sub-categories, resulting in 20 sub-categories. We will summarize the state of each of these problem categories/sub-categories. The session will also include demo of some of the important works in this domain, under different categories.

- 2023-11 - Anuket: Barometer planning for Pieman — 60m Rohit Singh Rathaur , Gergely Csatari

Planning the content of Barometer for the Pieman release

- 2023-11 - Anuket: Partly in person Anuket TSC meeting — 60m / Gergely Csatari

This is the regular Anuket TSC call.

- 2023-11 - Anuket: RA2 Kubernetes Architecture Orinoco Review and Pieman planning — 60m, Riccardo Gasparetto Stori Gergely Csatari Petar Torre

Anuket RA2 (reference kubernetes architecture) review of the last release, with time for community input and scheduling for the next release

- 2023-11 - Anuket: What is the future of Anuket — 60m / Gergely Csatari

In this session Gergely will report on the progress of the strategic planning work what the TSC Task Force is doing and discuss possible future strategies for Anuket with the audience.

XGVela Sessions

- 2023-11 - XGVela: Overview of ETSI G-OAM Standards and Applying to XGVela — 20min Mengyuan Ma

Introduce the ETSI NFV's work on cloudification for 5G and beyond. Expecially VNF generic OAM standards and applying to XGVela.

ODIM Sessions

Content by label

There is no content with the specified labels

L3AF Sessions

- 2023-11 - L3AF: L3af on Windows — 60m. SHANKAR MALIK

Introducing L3AF on Windows

5G Super Blueprint Sessions

- 2023-11 - 5G SBP: Enhancing Autonomous Network through Generative AI and Intent-Driven Technologies — 15m, Keguang He

This proposal aims to revolutionize network operations by generative AI and intent-driven technologies to build a more efficient and intelligent autonomous network.

- 2023-11 - 5G SBP: eUPF with Free5GC — 30m, SHANKAR MALIK

Integration of Free5GC Core with the eBPF based UPF

- 2023-11 - 5G SBP: Orchestration of OAI Core and Amarisoft gNB with EMCO — 30m Vikas Kumar Yogendra Pal Lincoln Lavoie , Sagar Arora

POC showing orchestration of critical components using Core & gNB for 5GS network testing and research.
- 2023-11 - 5G SBP: The 5G Super Blueprint Library — LJ Illuzzi , 30min

What is the 5G Super Blueprint Library? Learn about this and all the exciting projects underway in the 5G Super Blueprint community.

FD.io Sessions

Content by label

There is no content with the specified labels

Nephio Sessions

- 2023-11 - Nephio & kpt: a new kid in the CNCF sandbox — *30mins, Istvan Kispal*

A brief introduction to the kpt CNCF project that is also in the heart of Nephio, and some more details about the inner workings of Nephio Release 1
- 2023-11 - Nephio: E2E Nephio R1 workload orchestration — 30m / Vikas Kumar Sandeep Sharma
E2E workload+Infrastructure orchestration with Nephio R1.

Nephio automates infrastructure, workload, and workload configuration lifecycle management. In this session we'll get hands on with Nephio by provisioning a bare-metal server and Kubernetes cluster setup for intent actuation, then deploy xNFs with day 0 configuration on the provisioned Kubernetes clusters. A graphical interface enables users to specify high-level network topology intent and take advantage of new Nephio R1 features including package specialization controllers, free5gc operator, and package orchestration controller.

- 2023-11 - Nephio: Enhanced End-to-End Intent Processing via ONAP-Nephio Collaboration — 30m, Keguang He

In this session, we will explore the collaboration of ONAP and Nephio to deliver end-to-end intent-based processing capabilities.
- 2023-11 - Nephio: Introduction to R1 and R2 — 60m, Eric Debeau , Timo Perala

In this presentation we give an overview of Nephio R1 and what is to be expected in R2.
- 2023-11 - Nephio: Nephio for Enterprise: Possibilities & Use Cases — 30m Vikas Kumar Amar Kapadia

This sessions will explore the various ways Nephio could be applied to enterprise use cases.

Adjacent Networking Sessions

Content by label

There is no content with the specified labels