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

**Submit a Session**

Add your session proposal by clicking the appropriate button below.

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**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 — 60m Heather Kirksey**
  
  Review of the D&T, Survey, next steps, and action items.
- **2023-11 - Plenary: LFN TAC 2024 Goal Planning — 60m Casey Cain Ranny Haiby Kenny Paul**
  
  TAC Face-to-Face meeting to set goals for 2024.
- **2023-11 - Plenary: Opening and Welcome — 30m Heather Kirksey Casey Cain**
  
  Opening & Welcome: Heather Kirksey LF VP of Community and Ecosystem
  
  Logistics: Casey Cain Sr. Technical Community Architect

**AI Sessions**

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

**OpenDaylight Sessions**
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: 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**
  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: 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 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.

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

- **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 - Anuket: AI/ML in Networking - State of Art — 60m, Rohil 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: 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 Csator
  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**

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**ODIM Sessions**

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**L3AF Sessions**

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**5G Super Blueprint Sessions**

• **2023-11 - 5G SBP: Orchestration of OAI Core and Amarisoft gNB with EMCO** — 30m Vikas Kumar Yogendra Pal
  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**

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**Nephio Sessions**

• **2023-11 - Nephio: E2E solution with the Nephio R1 workload to orchestration** — 30m / Vikas Kumar Sandeep Sharma
  An E2E workload+Infrastructure orchestration solution with Nephio R1.
  Nephio automates infrastructure, workload and workload configuration lifecycle management. In this session, we present an automation platform with a graphical user interface enabling the users to specify the high-level network topology intent. As part of the intent actuation, the platform in the backend can provision a bare-metal server, followed by Kubernetes cluster setup. The same actuation flow in Nephio will then deploy xNFs with day 0 configuration on the provisioned Kubernetes clusters. With this E2E flow as the example speaker will touch upon the features of Nephio R1.

• **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**

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