2022 LFN Developer Event Topics November

Dates Nov. 17-18, 2022

Session Info

- Plenary Topics
- General Interest Topics
- OpenDaylight Topics
- ONAP Topics
- Anuket Topics
- Tungsten Fabric Topics
- XGVela Topics
- ODIM Topics
- EMCO Topics
- L3AF Topics
- 5G Super Blueprint Topics
- FD.io Topics

Plenary Topics

- 2022-11 - Plenary: 5G-SBP Day 1 Problem Statement - How to have more open source in the SBP? — 60m, LJ Illuzzi

Brainstorming on how to include more open source components (LFN and at-large) in the next phases of the 5G-SBP
- 2022-11 - Plenary: Anuket Day 1 Problem Statement — **Bazaar vs. Cathedral**

Should LFN communities be building functioning platforms or build components that work in multiple environments?

How can we build the RI2 Lab for community adoptability?

An RI2 implementation id being constructed in UNH. How can the Community take advantage of it?

Ensuring Stronger Collaborative efforts:

- New TSC criteria?
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LFN documentation self help group/ Cross Community Documentation best practices

Community release management. How to learn it from projects already doing it?
- 2022-11 - Plenary: LFN CTO Vision - The Metaverse and beyond — 60m, Ranny Haiby

Revisiting the vision from the Porto D&TF and looking forward to what the Metaverse and other trends will mean for our communities
- 2022-11 - Plenary: ONAP Day 1 Problem Statement — Software Bill Of Material (SBOM) — 30 minutes. Muddasar Ahmed, Anil Belur

We will review real ONAP SBOM, discuss SBOM generation in LFN CI pipeline, progress on onboarding projects as well as lesson learnt.
- 2022-11 - Plenary: Welcome & Event Logistics — 15 m, Heather Kirksey, Kenny Paul

What attendees and presenters all need to know for this event

General Interest Topics

- 2022-11 - General: Development Best Practices — 45 - 60 minutes

Development best practices from a Release Engineering perspective.

- 2022-11 - General: Experience With LF Mentorship Program — Nicholas Karimi 30 minutes

  Review of experience from the summer mentorship program.
- 2022-11 - General: Hands-On Tutorial- How Cloud Native is Your CNF? Let's Check! —
  - W. Watson & Denver Williams, Vulk Coop
  - This hands-on tutorial will help CNF Vendors (aka Network Equipment Providers) to go through the CNF Certification process with their own cloud native product using their own Kubernetes cluster.
- 2022-11 - General: Introducing LFN Release Management Support Service (RMSS) — 30m, David McBride

  LFN is introducing a new service called, Release Management Support Service (RMSS), for projects that replaces dedicated release management support for a few projects with an advisory support service for ALL projects.
- 2022-11 - General: Operational Security Assurance for Open Source 5G Mobile Networks — 30m, Margaret Cogdell(Maggie)

  Operational Security Assurance for Open Source 5G Mobile Networks
- 2022-11 General: Security Call Data Records (SCDRs) — 30m, David Armbrust

  SCDRs for enhanced security visibility and operational transparency in the enterprise network slice

OpenDaylight Topics

- 2022-11 - ODL: gNMI soutbound plugin for ODL — 30m, Peter Suna

- 2022-11 - ODL: Packaging, Messaging, Deployment — 60m, Robert Varga

  Application landscape has evolved in the 10 years since OpenDaylight has started. We will discuss feedback received from our recent survey and how to adapt to this changed landscape.
- 2022-11 - ODL: Release automation — 60m, Robert Varga

  Most of OpenDaylight projects are now release-integrated. We will explore how we can get closer to CI and having much faster release process.
- 2022-11 - ODL: Release overview and planning — 60m, Robert Varga

  We have shipped 2022.09 Chlorine and are executing on 2023.03 Argon. This will provide a brief overview of deliveries and a place for discussing next steps.

ONAP Topics

- 2022-11 - ONAP: 5G SON Use Case enhancements for Kohn Release — *30m, N.K. Shankaranarayanan*

  We will present some important progress made in the ONAP 5G SON Use Case for the Kohn release. The implementation has been updated to provide specific control loop flows for O1-based and A1-based RAN actions. There are enhancements in RAN-Sim controller and SDN-R for A1-support, and modified control message formats and policies to support the new control loop design.
- 2022-11 - ONAP: Architecture Update - Security, Logging and others — 30m, Byung-Woo Jun

  We will provide ONAP architecture update on Security, Logging and other enhancements.
- 2022-11 - ONAP: Cloud-Native Orchestration by Using Application Service Descriptor (ASD) — 30m, Byung-Woo Jun

  This session will provide ONAP ASD packaging onboarding and AS orchestration architecture, implementation and roadmap for Cloud-Native NF/App. The audience will gain knowledge on new CNF descriptor and package specification, and see how the new specification-based orchestration simplifies the CNF modeling and orchestration.
- 2022-11 - ONAP: Complete Life-Cycle of CNF Orchestration — 45 min + questions, Lukasz Rajewski

  The presentation will cover the demonstration of the existing CNF Orchestration capabilities that were being developed since Guilin release and have mature & verified status. The main focus is the last missing part of the CNF lifecycle that is now fully supported in the Kohn release - E2E CNF Upgrade with model change in the SDC.
- 2022-11 - ONAP: ONAP in Production: Observability using EFK & Prometheus
- 2022-11 - ONAP: ONAP In Production: Performance and HA considerations
- 2022-11 - ONAP: ONAP Practice in China Mobile — ZHUANGYANG CHEN, 30m

  Introduce ONAP Practice in CMRI.
- 2022-11 - ONAP: ONAP Transformation — ONAP Transformation - 45 min including discussion, Magnus Buhrgard

  Continuation of the "ONAP - Next 5 Years" session in Porto and the ONAP Mainstream mail group exchange. The target is to identify actionable tasks that will strengthen the ONAP open-source project.
- 2022-11 - ONAP: RAN DO - Slicing use case — 30 min, Sanchita Pathak

  Our proposal is to build an O-RAN specific Macro flow-based NSSMF, which offers and implements 3GPP Slicing APIs of TS 28.532 as northbound APIs which can integrate with an external NSMF
- 2022-11 - ONAP: RAN Service Modeling and Deployment — 45 min, Sangeeta Bellara

  We will present service modelling and deployment of a 5G RAN gNB consisting of CNFs (i.e. CUCP, CUUP and DU) and PNFs (i.e. RU). The planning data for the gNB, such as planned nodes, sites and cells, is stored in AAI at design-time, and during operations, the relations to these objects are created when the gNB is deployed.
- 2022-11 - ONAP: Retrospective on Jakarta and Kohn releases — 30m, David McBride

Retrospective on the Jakarta and Kohn releases

- 2022-11 - ONAP: SBOM Implementation in ONAP — 30m, Muddasar Ahmed

  We will review real ONAP SBOM, discuss SBOM generation in LFN CI pipeline, progress on onboarding projects as well as lesson learnt. Note: This topic is also proposed for Plenary day, it not selected, it will be presented under ONAP project topics.
- 2022-11 - ONAP: Service Mesh Status, Requirements and Implementation Plans for London — 30m, Andreas Geissler

  This session will provide ONAP Service Mesh Status, Requirements, implementation plans for London, plus roadmaps.
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- 2022-11-18 - ONAP: London SECCOM Requirements — Pawel Pawlak , 30min

  Security Requirements for the London Release

Anuket Topics

- 2022-11 - Anuket: Practice and Plan of Network Intelligent Collaborative Innovation in LFN Thoth — Introduce the practical experience and follow-up plan of Anuket Thoth project in the network intelligent ecological construction.

- 2022-11 - Anuket: Remote Work Session —
  Review of Anuket Work and Work Streams
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Tungsten Fabric Topics

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XGVela Topics

- 2022-11 - XGVela: Introduction about XGVela Release 11.2022 — 45min
  We'll present some important progress XGVela team has made in Release 11.2022. This year, we have complete the development and documentation of cloud native OAM, which is a group of operation and management functions for upper layer management systems to manage NFs. Key functions of cloud native OAM include NF register, NF management, NF business topology management, NF configuration management, NF performance management, NF alaarm management, and NF log management.

ODIM Topics

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FD.io Topics

- 2022-11 - FD.io: A native unit testing framework for VPP; — 15m, Mauro Sardara
- 2022-11 - FD.io: Control and management of media-bridging for Online Meetings applications using FDio/HICN VNF — Luca Muscariello
- 2022-11 - FD.io: How to develop and maintain an out-of-tree VPP plugin — 15m, Mauro Sardara