2022 LFN Developer Event Topics June

Dates June 13-16, 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
- Virtual Topics

General Event Info

- **Registration**
- **Schedule**
- **Slack**
- **Daily Summaries**
- **Event Survey**
- **Feedback events@lfnetworking.org**

Create a topic Proposal by clicking on the appropriate template creation button below.

ⓘ By adding a topic proposal to any track other than than the "virtual -only" track, you are also agreeing that either you or your direct delegate(s) will physically be in the meeting room at the event in Porto, Portugal to lead the session and present all material to the audience.

Topics are due 27 May 2022

Create Plenary Topic   Create ODL Topic   Create 5G SBP Topic

Create General Interest Topic   Create ONAP Topic   Create Anuket Topic

Create TF Topic   Create XGVela Topic   Create ODIM Topic

Create FD.io Topic   Create EMCO Topic   Create L3AF Topic

Create Virtual Topic**

ⓘ **Virtual-Only Rules**

- **The Ariane 1 room in Porto will be assigned to all virtual-only sessions.**
- All virtual sessions are single track only and will run in parallel with all other in-room sessions.
- Scheduling a virtual-only session is handled by your communities' event committee representative
- All virtual-only track scheduling will display on the event schedule along with all of the other sessions

---

Plenary Topics

- 2022-06 - Plenary: Daily Summaries for '22 June Developer Event — 30 mins
  A brief recap of the most important highlights from the day's session from the perspective of our community leaders. Not recorded.
- 2022-06-13 - Plenary: Chalenges of LFN projects — In this session we would like to discuss the most pressing challenges of LFN projects. Does your project have issues with documentation, tooling, amount of contributors or something else? Share with us in this session and lets try to figure out together how to address these problems.

- 2022-06-13 - Plenary: Event Welcome and Opening Comments — 60 Min / Heather Kirksey, VP of Community Ecosystem & Development, Kenny Paul, Sr. Technical Community Architect

  Event Kick-off and Logistics for the week
- 2022-06-13 - Plenary: Hardware & Cloud Resource Management — Discussion of how hardware and lab resources are managed between the LFN projects/communities and the LF

- 2022-06-13 - Plenary: Marketing for LFN Projects — Open Source Project Marketing: Internal and External \\60 min
  02 Jun 2022
- 2022-06-13 - Plenary: Open Source Security - Why should you care and what can you do about it? — 30m Ranny Haiby

  This session is targeted at our communities at-large not just security experts. Cyberattacks are on the rise, and while OSS is inherently more secure than proprietary software stacks, we must apply the right security best practices to our software. The Linux Foundation, provides some tools and best practices for your project. In this session I will provide an introduction to OpenSSF and the dashboards available at LFX security.
- 2022-06-13 - Plenary: Technology long-term vision for LFN – Looking ahead — Overview of industry trends and developments that may affect our open source projects. 30 min
- 2022-06-13 - Plenary: The Documentation Evangelists: Documentation Best Practices for LFN communities — 30m: Scot Steele

  The Documentation Evangelists: Documentation Best Practices for LFN communities
- 2022-06-13 - Plenary: The LFX Dashboard: Tool Suite and Community Review — 60 Minutes / Henry Quaye + Brandon Wick
  Overview of the community around LFX and tool suite Q&A
- 2022-06-13- Plenary: Community Introductions — Community Representatives / 30 mins
  A brief introduction to collaboration opportunities at the event
- 2022-06-16 - Plenary: Closing Town Hall — Heather Kirksey and all TSC Chairs 60/min

  Town Hall style discussion with LFN's Community Leadership to close out the event

General Interest Topics

- 2022-06-14 - General: Intro to LFN's Communities & Open Source — 60 Min / Heather Kirksey

  Overview of LFN's organizational and operation structure and of open source participation at a high level.
- 2022-06-15 - Virtual: General: Live Connect and Detection System —
  In this application We can use our car dash camera for live Detection of objects and Potholes. Before reaching that place. We can see live and more details about Objects on Screen with AI built In System. We can detect potholes on the road and notify them before reaching that area. And We see details on the screen and we can notify the central system about the situation on the road. We can track our vehicle in case of thieves based on systems IP which places it was travelling. We can raise complaints against thieves.   We can use SOS. If any user clicks on SOS then it will reach all clients who are using this app. It will show directions on a map to reach clients who request for SOS. We can see a live Stream of SOS users. So that we could help each other live
- 2022-06-DD - General: Dynamic ui portal — Dynamic UI portal is the platform for designing a user interface to adapt according to user input. When designing a dynamic user interface (UI) through the portal, Users can control the fields according to specified properties.

  Mainly dynamic UI portal is used for secondary development where users can create the view part of the project without writing any code.
- 2022-06-DD - Virtual: General: ONAP EMCO integration and Demo — 60 Min / Seshu Kumar Mudiganti

  The current demo is to showcase the ONAP and EMCO Integration.

  This demo aims at showcasing the details of the series of steps involved in evalauting the current work, the challenges faced and the solutions adopted to overcome them.

  It provides a stage to discuss the next steps and take inputs from the attendees.

OpenDaylight Topics

- 2022-06-14 - ODL: 2022.03 Sulfur Platform overview — 60m, Robert Varga

  OpenDaylight 2022.03 Sulfur brings about a lot of news from the platform side of things. It is truly a transitional release in multiple departments and this talk will get you up to speed with what is going on.
- 2022-06-16 - ODL: 2022.09 Chlorine lookahead — 60m, Robert Varga

  OpenDaylight 2022.09 Chlorine release is slated to break with the past in more that one ways. This talk will discuss the delieverables and immediate future plans.
- 2022-06-16 - ODL: Ecosystem BoF — 90m, Robert Varga

  OpenDaylight has a number of roles to fill in current and future networks (like 5G). This topic will focus on bringing the ecosystem together to discuss what the future holds.
- 2022-06-16 - ODL: Open discussion on new features and improvements — An open discussion on new features and improvements that can be done to Opendaylight.

- 2022-06-16 - ODL: Supporting commercial OpenDaylight deployments — 30m, Ivan Hrasko

  Introduction of commercial OpenDaylight deployments: challenges, best practices and available ecosystem solutions.

ONAP Topics

- 2022-06-14 - ONAP: Day1-ConfigManagement for O-RAN components — This presentation should give an overview of DAY1-ConfigManagement for ORAN-components with CDS / CICD and how we actually handle it within DT.
  30 min

- 2022-06-14 - ONAP: SECCOM Kohn release security goals — Sharing ONAP SECCOM goals for Kohn release:

- - Global Requirements and Best Practices
    - Security PoCs:
      - security log fields
      - logging req
      - code quality
      - service mesh
    - SBOM enablement and maintenance, and packaging
    - Waiver policy update
    - On the road to gold badging
    - Reducing technical debt
    - Container signing
    - Container scanning
    - 5Y project review
    - Removing unmaintained code
- 2022-06-14 - ONAP: SECCOM retrospectives for log4j (Istanbul Maintenance) and Jakarta releases — Sharing latest lessons learnt for:
  - Log4j fix implementation in Istanbul Maintenance Release
  - Jakarta security status update
- 2022-06-15 - ONAP: Technical Community Coordination - Network Management — Update on TCC - Network Management since last DTF
- 2022-06-15 - ONAP: Automation of Intent-based Cloud Leased Line Service — 120m, Dong Wang Keguang He Henry Yu

  Demo of Intent-driven CCVPN usecase in R10, as well as Presenation of R11 roadmap and an academic review of Intent-based Networking.
- 2022-06-15 - ONAP: CPS Project overview with NCMP and CPS Demos — 60m, Toine Siebelink Luke Gleeson
  - CPS Team will present and overview of CSP Components followed by a description of recent features and related demos.
- 2022-06-15 - ONAP: DT and the use of OOM Helm Charts, Argo CD & Istio (Service Mesh)
- 2022-06-15 - ONAP: Policy Framework Project Update — 60m, Liam Fallon

  Update on what's happening in the Policy Framework
- 2022-06-15 - ONAP: Security of CDS py-executor while using 3rd patry scripts — 30m, Marek Szwakiewicz

  How python can be abused by malicious (or buggy) CBA and what we can do to make it more secure in the future.

  This talk is mostly a WHAT IF about CDS executors and how we can evolve and expand the capailities while securing the approach we take.
- 2022-06-16 - ONAP: Using Automation Compositions for Control Loops and rApps — 60m, Liam Fallon

  A presentation on Automation Compositions and how they can be used to build and manage Control Loops and rApps
- 2022-06-DD - Canceled - ONAP: MPLS network discovery and support automation using ONAP — 30m
  This session has be canceled by the presenters.
- 2022-06-DD - ONAP: PCEI Edge to Cloud connectivity and application deployment — 30m, Sriram Rupanagunta

  Complex Multi-domain orchestration across Edge and Public Clouds, using ONAP CDS and Terraform plans
- 2022-06-DD - ONAP: An O-RAN SMO Use Case with Netconf Notifications — 60m
  Part 1: Demonstration of O-RAN SMO use case built with ONAP. Part 2: Session covering extending Netconf notification support for ONAP SND-C/SDN-R.
- 2022-06-DD - ONAP: CNF Orchestration Scenarios — 60m, Lukasz Rajewski

  The session will focus on the presentation of the latest status of CNFO implementation in ONAP with the aim to show different operation scenarios where particular available CNFO features may be used. In the end, you should have a better understanding of how ONAP and CNFO can be used for that purpose.
- 2022-06-DD - ONAP: Enabling BOD-Based Feasibility Check and Service Provisioning including Time-Aware Calendarization for E-Line Services — Use case implementation of E-Line services including time-aware calendarization Bandwidth-on-Demand (BoD) feasibility check and service provisioning. The scope includes implementation of functional features (service templates, BPMN processes, DGs, etc…) as well as adding scheduler for the purpose of time-aware calendarization
- 2022-06-DD - ONAP: Intent driven orchestration in ONAP SO — 60 Min / Seshu Kumar Mudiganti @evgenii.limonov@telekom.com Lukasz Rajewski

  Intent driven orchestration in ONAP SO
- 2022-06-DD - ONAP: Jakarta Integration Activities — 30m Michal Jagiello

  Integration Project update on Jakarta release: new tests, tests updates, changes and plans for Kohn
- 2022-06-DD - ONAP: ONAP - The Next 5 Years — 60m, Magnus Buhrgard

  Reflections on the first 5 years and a situation analysis. Which are the objectives? How can we utilize the full potential of open-source? How to streamline WoW?

  + Open discussion.
- 2022-06-DD - ONAP: SDC Project Update — 60m, Michael Morris

  Update on new and coming features in SDC
- 2022-06-DD - ONAP: The Path to a Production-Grade ONAP —
  The scope includes both the path to a production-grade deployment of ONAP and supporting tools regarding the operational and monitoring aspects of such deployment.

Anuket Topics

- 2022-06-14 - Anuket: Leftovers of the merger are still with us — We had the OPNFV and CNTT merger to Anuket more than one year ago, still we have lots of leftovers of this merger. Let's craft a plan how to get rid of these.

- [2022-06-14 - Anuket: RA1 OpenStack Architecture- Moselle release and beyond](#) — 60 min
  RA1 OpenStack based Reference Architecture - Moselle release content and discussion on RA1's evolution
- [2022-06-14 - Anuket: Thoth AI/ML for NFV Usecases - Failure Prediction Models](#) — 30m, [Rohit Singh Rathaur](#)

  AI has the potential in creating value in terms of enhanced workload availability and improved performance and efficiency for NFV use-cases. This work aims to build **machine-Learning models** and **Tools** that can be used by Telcos (typically by the operations team in Telcos). Each of these models aims to solve a single problem within a particular category. For example, the first category we have chosen is Failure prediction, and we have created 6 models - failure prediction of VMs. Containers, Nodes, Network-Links, Applications, and middleware services. Now, we have created a model for the Failure Prediction of VMs. This project also aims to define a set of **data models** for each of the decision-making problems, that will help both providers and consumers of the data to collaborate. A failure prediction system could be deployed to help the NFV system avoid unexpected failure in advance.

  The main purpose of the session is to demonstrate failure prediction models and also we will present different AI/ML use cases for NFV.

  Wiki page to get more details:
  https://wiki.anuket.io/pages/viewpage.action?pageId=7637084

  https://wiki.anuket.io/pages/viewpage.action?pageId=7638023
- [2022-06-15 - Anuket: RA2 Collaborations](#)
- [2022-06-15 - Anuket: RA2 Kubernetes Architecture - Moselle Release Highlights](#)
- [2022-06-15 - Anuket: RA2 Kubernetes Architecture Release Planning](#)
- [2022-06-16 - Anuket: RC2 - Considering RA2 Traceability and CNF Workloads for Nile](#) — 60M [Scot Steele](#)

Tungsten Fabric Topics

Content by label

There is no content with the specified labels

XGVela Topics

- [2022-06-16 - XGVela: XGvela integration with ONAP](#) — 60m [Seshu Kumar Mudiganti](#)

  XGvela integration with ONAP

ODIM Topics

- [2022-06-14 - ODIM: Overview and status](#) — 60m [Martin Halstead](#)

  Overview of the ODIM project, current feature set and planned integration work

EMCO Topics

- [2022-06-14 - EMCO: Bring Akraino/ICN-SDEWAN into EMCO](#) — 30m, [Le Yao Huifeng Le](#)

  A sub-controller of DTC for EMCO to integrate Akraino/ICN-SDEWAN features to implement automated configuration of EMCO applications and services.
- [2022-06-14 - EMCO: Cloud Native SASE](#) — 60min
  Cloud Native SASE using Kubernetes, Service Mesh and EMCO technologies
- [2022-06-14 - EMCO: Deploying on ROSA Cluster](#) — 30m, [Sriram Rupanagunta](#)

  Demonstrate orchestration of Free 5G core using EMCO deployed on ROSA cluster platform
- [2022-06-14 - EMCO: EMCO distribution of Istio CA certificates to target clusters](#) — 45m, [Eric Multanen Subin John](#)

  EMCO distribution of Istio CA certificates to target clusters
- [2022-06-14 - EMCO: Open Policy Agent Service Assurance in the Telcom Edge](#) — 30m
  Open Policy Agent Overview
- [2022-06-14 - EMCO: Project Overview and Update](#) — 45m [Ritu Sood](#)

  EMCO architecture overview, new features and use case examples
- [2022-06-15 - EMCO: Backup and Restore](#) — 30m, [Sriram Rupanagunta](#)

  Demonstration of backup and restore of EMCO deployment using open source Velero tool
- [2022-06-15 - EMCO: Deploying to target clusters (and public clouds) via git](#) — 60m [Adarsh ChittilappillyIgor DC](#)

  GitOps tools such as fluxv2, ArgoCD and Anthos have the ability to periodically check Git repos for any updates, get hold of differences and apply only differences locally.

  In this presentation, we will talk about how EMCO has evolved to interact with these tools for the sake of deploying applications to target cluster and public clouds.

- [2022-06-15 - EMCO: Edge Relocation using Temporal workflow](#) — We would like to present the demo, which will show the procedure of application relocation between different Edge Servers, using Temporal Workflows and EMCO orchestrator.
- [2022-06-15 - EMCO: Enhancing the EMCO GUI with RBAC](#) — 30M
  Demonstration of RBAC in EMCO GUI and additional UI/UX changes proposed.
- [2022-06-15 - EMCO: Orchestration and Demo of LCM of AnyLog using EMCO](#) — 30m
  Orchestration and LCM of AnyLog using EMCO and AnyLog Demo.
- [2022-06-15 - EMCO: Orchestration and Service Assurance 5GC Functions with EMCO](#) — 30m
  Orchestration 5GC functions on multiple k8s clusters and showing service assurance by scaling out the 5GC functions based on CPU load.
- [2022-06-15 - EMCO: Temporal and EMCO lifecycle events](#) — [Ritu Sood Austin Sanders](#)30 min

  EMCO controller to launch Temporal workflows at various life cycle management events
- [2022-06-16 - Virtual: EMCO: Face recognition application demo using EMCO](#) — 60 Min / [Rama SubbaReddy](#)

  The current demo is to showcase the Deployment of a face recognition application using EMCO,

  Face recognition application includes multiple microservices such as monitoring and face detection etc...

  this demo aims at showcasing the capabilities of EMCO to orchestrate these related microservices as a composite application and demonstration the detailed steps involved in th process.

  It also demonstrates the deployed face recognition functionality.

L3AF Topics

Content by label

There is no content with the specified labels

5G Super Blueprint Topics

- [2022-06-14 - 5G SBP: ORAN SMO Package - Combining multiple open sources into an E2E package](#) — 60m
  Demonstrate the work that has been done in the ORAN SC community to create an E2E package that spans across multiple community projects (ORAN, ONAP,...) in order to create a workable environment to deploy the ORAN SMO using ONAP components
- [2022-06-15 - Virtual- 5G SBP: Magma for 5G](#) — 60 minutes
  Demonstrate the work that has been done in the Magma community for 5G SA Core. Existing & ongoing Feature developments, testing updates, architecture & working demo.

FD.io Topics

- [2022-06-14 - FD.io: StoneWork introduction](#) — Introduction of StoneWork a **high-performance** data plane, **modular** control plane solution.

Virtual Topics

- [2022-06-14 - Virtual: Anuket: Scope of Anuket](#) — Let's have a chat about the support of requirements specified in Anuket in upstream open source projects.

- [2022-06-15 - Virtual: General: Live Connect and Detection System](#) —
  In this application We can use our car dash camera for live Detection of objects and Potholes. Before reaching that place. We can see live and more details about Objects on Screen with AI built In System. We can detect potholes on the road and notify them before reaching that area. And We see details on the screen and we can notify the central system about the situation on the road. We can track our vehicle in case of thieves based on systems IP which places it was travelling. We can raise complaints against thieves.   We can use SOS. If any user clicks on SOS then it will reach all clients who are using this app. It will show directions on a map to reach clients who request for SOS. We can see a live Stream of SOS users. So that we could help each other live
- [2022-06-15 - Virtual: Thoth Action Plan for Network Intelligence Collaborative Innovation](#) — 1h
  Moderator: Sridhar Rao

  Panelist: Lei Huang, Yan Yang, Sridhar Rao, Beth Cohen, Ranny Haiby, Zhipeng Huang, Scot Steele

  Share and discuss around Thoth's new project - Network Intelligent Collaborative Innovation Project.
- [2022-06-16 - Virtual: Anuket - Automation and Security](#) — 60 min
  RM, RA1 and RA2 joint session

- [2022-06-16 - Virtual: EMCO: Face recognition application demo using EMCO](#) — 60 Min / [Rama SubbaReddy](#)

  The current demo is to showcase the Deployment of a face recognition application using EMCO,

  Face recognition application includes multiple microservices such as monitoring and face detection etc...

  this demo aims at showcasing the capabilities of EMCO to orchestrate these related microservices as a composite application and demonstration the detailed steps involved in th process.

It also demonstrates the deployed face recognition functionality.

- 2022-06-16 - Virtual: General: China Mobile's Practice and Thinking on Autonomous Network — 30m Lingli Deng

Taking China Mobile as an example, this paper introduces the practical experience and thinking suggestions of autonomous network construction.

- 2022-06-16- Virtual: Anuket - Hybrid Multi-Cloud Interactions Model - Realization and Evolution — *60m (possibly early European time), John Hartley, Pankaj Goyal, Walter Kozlowski*

Goal of current abstract interaction model in RM, gaps, direction for evolution, discuss realizations of the model

- 2022-06-DD - Hybrid SDN Security using Tungsten Fabric — Prasad Miriyala Jon Mischel - 60m

This session will cover the fundamental technologies enabling Container and Virtual Network Functions to operate in a Kubernetes environment. We will explore the transformation of Telco Clouds, and the evolution of workloads in these new hybrid environments. Key technologies enabling this transformation such as cloud native distributed routing, and policy traffic routing will be detailed, as they relate to solving the challenges of modern service provider application infrastructure.

- 2022-06-DD - Virtual: Building Infrastructure Clouds with Kubernetes, TF, and KubeVirt — Rasika Subramanian- 60m

This session will cover the next frontier of virtualization, orchestrated by KubeVirt and networked by Tungsten Fabric. A brief overview of the fundamental technologies such as KubeVirt, and Tungsten Fabric's Kubernetes deployment architecture. A deep dive will be provided into VM /Container networking in clusters featuring hybrid workloads.

- 2022-06-DD - Virtual: General: ONAP EMCO integration and Demo — 60 Min / Seshu Kumar Mudiganti

The current demo is to showcase the ONAP and EMCO Integration.

This demo aims at showcasing the details of the series of steps involved in evalauting the current work, the challenges faced and the solutions adopted to overcome them.

It provides a stage to discuss the next steps and take inputs from the attendees.

- 2022-06-DD - Virtual: Tungsten Fabric Deployments – Installing in OpenStack and Kubernetes — Nick Davey - 90m