

2023-06 LFN Developer Event Topics June

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[Virtual D&TF session guidelines](#)

Topic Submission deadline is 19 May 2023

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Registration

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

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Plenary Topics

- [2023-06 - Plenary: Closing Town Hall](#) — 60m
- [2023-06 - Plenary: CNF Certification values and Status](#) — 15min Yan Yang

Introduce CNCF CNF certification program and AAP CNF certification program explore the value of CNF certification for operators and cooperation between two certification programs

- [2023-06 - Plenary: Daily Summaries for '23 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.
- [2023-06 - Plenary: Opening and Welcome](#) — 60m, [Heather Kirksey](#), [Kenny Paul](#)

Opening session welcome to the community and event logistics

General Interest Topics

- [2023-06 - General : Cross community collaboration for ORAN IMS through O-Cloud Operator](#) — 60m, [Seshu Kumar Mudiganti](#) [Shashikanth VH Sunny Gupta](#)

The agenda of this slides is to give a brief intro to K8s Operator.

Explain 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](#)
- [2023-06 - General: LFX "Ask Me Anything" Panel](#) — 60m, [Henry Quayle](#), [Asitha de Silva](#), [Andres Tobon](#)

An AMA session centered around the LFX tool suite

OpenDaylight Topics

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ONAP Topics

- [2023-06 - ONAP: CPS road to Gold security badge](#) — 60min [Toine Siebelink](#), [Lee Anjella Macabuhay](#), [Tony Hansen](#)
Overview and CPS perspective of achieving high-quality software development and recognition through badging.
- [2023-06 - ONAP: Enhance general intent implementation solution in R12 and R13](#) — 60m, [Keguang He guanyu zhu](#)
Introduce the enhancements about the general intent implementation in R12, as well as the planned intent enhancement related work in R13.
- [2023-06 - ONAP: ONAP Java components performance improvement](#) — 30min, [Dipankar Chatterjee Bhagyalakshmi R Roopashree Sakharayapatna Nayak](#)
Exploring alternate frameworks to Springboot based microservices in order to improve the cloud Native performance of Java based ONAP components.
- [2023-06 - ONAP: SECCOM Montreal update \(30 minutes\)](#) — 30min [Pawel Pawlak](#), [Amy Zwarico](#), [Tony Hansen](#), [Muddasar Ahmed Byung-Woo Jun](#)
Overview of SECCOM requirements and updates for a Montreal release.
- [2023-06 - ONAP: Streamlining the process](#) — 60 min, [Magnus Buhrgard Byung-Woo Jun](#)
Proposal and discussion on ONAP transformation following the new mission statement
- [2023-06 - ONAP: The deployment of IBN with CCVPN use case](#) — 30m, [Zhen Li Henry Yu](#)
Introduce the deployment of IBN with CCVPN use case and discuss ML approaches to extract the intent feature.

The experience of step-by-step deployment of ONAP usecase will be detailed introduced. Welcome to join in this topic and study how to deploy ONAP in your lab, further enhance your solution and contribute to ONAP.
- [2023-06 - ONAP: YANG Model Automation](#) — 30m, [guanyu zhu](#)
Overview of YANG modules automation which manages YANG lifecycle helps and improve the efficiency of YANG development.

Anuket Topics

- [2023-06 - Anuket: How Sylva is leveraging Anuket Test Frameworks](#) — #m [Cedric Ollivier](#) & [Luis Velarde](#)
 - to highlight how Sylva leverages Functest and Xtesting in its verification jobs
 - to discuss next Sylva plans and possible upstream contributions/collaborations
- [2023-06 - Anuket: Kubernetes Reference Architecture \(RA2\) - Orinoco Release Update](#) — 60m, [Riccardo Gasparetto Stori](#), [Gergely Csatari](#), [Petar Torre](#)
Update on the Anuket RA2 Orinoco release and survey on the future direction.
- [2023-06 - Anuket: Value of Anuket](#) — #m - [Gergely Csatari Sandra Jackson](#)
The Anuket project is running a Task force to define the value of Anuket in the future. We are in the process to refocus the project based on the Task Force discussions. In this session we will re-iterate on the previous discussions to share what was discussed before and if time permits will move forward with figuring out the future target of the project.

Tungsten Fabric Topics

- [2023-06 - TF: Getting Started with Tungsten Fabric](#)
- [2023-06 - TF: Improvements of Metadata and other TF modules](#) — 45 minutes, [Matvey Kraposhin](#)
Next topics will be covered in the presentation:
 - an implementation of IPv6 version of TF Metadata service (30 mins);
 - some consideration about improvement of VxLAN capabilities (15 mins).
- [2023-06 - TF: SDN for CloudStack Core and Edge Zones](#) — 60m [Alexandre Mattioli](#)
Tungsten Fabric SDN for CloudStack Core and Edge Zones

XGVela Topics

Content by label

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ODIM Topics

Content by label

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L3AF Topics

- [2023-06 - L3AF: Integration with 5G-UPF\(User Plane Function\)](#) — 30m, [SHANKAR MALIK](#), [Shivank Chaudhary](#)

In this Event we will be showing the Integration of L3af with 5G-UPF(User Plane Function)

- [2023-06 - L3AF: Overview of L3AF Project and demo.](#) — 30m [Santhosh Fernandes Jay Sheth](#)

L3AF Project Overview and Traffic Mirroring demo.

5G Super Blueprint Topics

- [2023-06 - 5G SBP: Edge Site Selection and Placement](#) — #m - [Rodney Elder](#)

This discussion and working session will focus on Edge Site Selection and Placement of 5G stand alone elements and architecture, with a focus on critical design and operational considerations. The goal is to cover aspects of UPF placement, networking considerations for traffic break out to achieve service level differentiation on an end to end application. This session will give participants the opportunity to present and discuss from their specific domain point the contributing components and functions, such as orchestration, interconnection, and capacity planning and performance. The session will provide insights into the networking framework and evolution of 5G Non-stand Alone (or 4G /LTE) and 5G SA MEC or edge cloud workloads, giving participants the opportunity to discuss and analyze the kinds of factors that will affect operational decision-making.

- [2023-06 - 5G SBP: Enterprise Multicloud NaaS Blueprint](#) — 0m, Withdrawn. Do not schedule. [Oleg Berzin Amar Kapadia Ranny Haiby LJ Illuzzi](#)

A blueprint for a new type of use case is being launched under the 5G-SBP. We will explain what it is all about and how it can benefit participating parties. There will be an open discussion on implementation ideas and call for participation.

- [2023-06 - 5G SBP: SEDIMENT for IoT device security and authentication](#) — 45m, [David Shur Yow-Jian Lin Rahul Jadhav](#)

[SEDIMENT \(SEcure Distributed IoT Management\)](#) uses a combination of software root of trust, remote attestation (RA), and resource-efficient cryptography, to build a security system that operates across the entire scales of IoT devices, with special emphasis on resource-constrained endpoints. The attestation, which appraises the integrity and trustworthiness of devices, can be integrated with the 5G ONAP AMF to control network/application access. An RA use case, with SEDIMENT RA Verifier and Relying Party being containerized and deployed with [KubeArmor](#) to enforce runtime security, will be discussed.

- [2023-06 - 5G SBP: Simplified E2E Network Slicing](#) — 30 mins. A discussion of simplified E2E network slicing using open source.
- [2023-06 - L3AF: Integration with 5G-UPF\(User Plane Function\)](#) — 30m, [SHANKAR MALIK](#), [Shivank Chaudhary](#)

In this Event we will be showing the Integration of L3af with 5G-UPF(User Plane Function)

- [2023-06 - Nephio: Adding Nephio and ONAP to the 5G Super Blueprint](#) — 60m, [Ranny Haiby Timo Perala](#)

Adding Nephio to the 5G Super Blueprint to enhance CNF orchestration capabilities

FD.io Topics

- [2023-06 - FD.io: CSIT Performance Dashboard](#) — 45min
Overview and discussion of the new LFN [FD.io](#) CSIT Dashboard, [csit.fd.io](#), covering VPP and DPDK network data plane testing, performance and telemetry.
- [2023-06 - FD.io: SONiC VPP platform Use Case](#) — 60m
Introduction of the SONiC VPP platform project use of VPP in the SONiC software architecture.
- [2023-06 - FD.io: StrongSwan-VPP plugin Integration Testing](#) — 60m
Overview of StrongSwan-VPP plugin use case & working session discussing automated StrongSwan-VPP use case testing.

Nephio Topics

- [2023-06 - Nephio: Adding Nephio and ONAP to the 5G Super Blueprint](#) — 60m, [Ranny Haiby Timo Perala](#)

Adding Nephio to the 5G Super Blueprint to enhance CNF orchestration capabilities

- [2023-06 - Nephio: NBI Adapter for OSS Integration](#) — 45min [Syed Atif Husain Shekhar Chauhan Girish Kumar](#)

Enhance Nephio via a new NBI Adapter to expose capabilities to manage Network Service Topology and Network Service Lifecycle Operations

- [2023-06 - Nephio: Nephio Today, What's in R1](#) — Project Nephio is about release its first release. We provide audience with a view of what this first release is all about, what is delivered
- [2023-06 - Nephio: O2 IMS with Nephio](#) — 30 mins, [Sandeep Sharma](#) , [Alexis de Talhouët](#)

A discussion of work being done to bring Nephio to the O2 IMS

- [2023-06 - Nephio: Outlook, Nephio Beyond R1](#) — Project Nephio is just about to complete its first release. In this talk we provide insight to what are the community current plans for going forward, for release 2 and beyond, as well as long term architecture vision for Nephio.

Adjacent Networking Topics

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