

# Nephio R3 Developer Event Agenda

## Purpose of the meeting:

3rd Nephio developer/community summit to celebrate the second release, discuss upcoming third release goals, and next steps.

**Participants:** Everyone in the Telco and Enterprise industry is welcome to join the summit.

**Location, registration, and additional information:**

[2024-05 LFN Developer & Testing Forum \(Co-located with ONE Summit\)](#)

02 May 202403 May 2024

**San Jose McEnergy Convention Center, room 212 C/D**

150 W. San Carlos Street  
San Jose, CA 95113


[Registration](#) | [Sessions](#) | [Schedule](#)

## Meeting Type: In-person

- Virtual option can be viewed on the [D&TF Schedule](#).
- **Zoom link to the event:** <https://zoom.us/j/95931396930?pwd=Ukl3eIFVb1lXdnA0OEVadEhNQmxjQT09>
  - Presentations will be shared virtually on a "best effort" basis. All presenters will need to be on-site and [follow this process](#) (remote speakers cannot be accommodated).
  - Session recording will also be made available on a "best effort" basis, following the conclusion of the event.

Please note time zone is Pacific Timezone (California)

Agenda	Start time	End time	Speakers / Topic	Slides / Documents
Intro	8:00 AM PT	8:05 AM PT	LF (Jenn & Arpit)	
Nephio Current State and next steps	8:05 AM PT	8:30 AM PT	Kandan & Sana Sagar: Nephio R2 Demo	
Invited speakers	8:30 AM PT	9:00 AM PT	DZS <ul style="list-style-type: none"><li>• Benefits of TOSCA in Nephio</li><li>• Ability to rapidly fit into existing Service Provider infrastructure</li><li>• Support connectivity between Nephio containerized applications with legacy applications (e.g. VM-based or physical infrastructure)</li><li>• Advanced life cycle management (brownfield discovery)</li></ul>	<a href="#">Benefits of TOSCA Modelling.pptx</a>
Invited speakers	9:00 AM PT	9:30 AM PT	Federico Cicchello, TIM Sylva + Nephio: a best fit! <ul style="list-style-type: none"><li>• A PoC how Sylva v1 fits into Nephio R2 framework as a complementary element</li></ul> <b>Start of a dialogue for collaboration between the two projects</b>	<a href="https://wiki.nephio.org/download/attachments/59048002/Sylvav1%E2%80%93NephioR2PoC%20-%20Nephio%20Day.pptx?api=v2">https://wiki.nephio.org/download/attachments/59048002/Sylvav1%E2%80%93NephioR2PoC%20-%20Nephio%20Day.pptx?api=v2</a>
Invited speakers	9:30 AM PT	10:00 AM PT	VisionWave <ul style="list-style-type: none"><li>• GenAI company</li><li>• LLM for Nephio</li><li>• Demo</li></ul>	

Break	10:00 AM PT	10:15 AM PT		
Welcome to the Nephio project	10:15 AM PT	11:00 AM PT	<b>Sana, Tal, Ciaran</b> <ul style="list-style-type: none"> <li>Present all sub-teams (with their respective lead if present)</li> <li>Architecture review (C4 Model)</li> <li>Nephio Modelling overview</li> <li>Getting started on Nephio</li> </ul>	<a href="#">Working Groups</a> <a href="#">Delivery Teams</a> <a href="#">Architecture</a> <a href="#">Modelling</a>
Releases roadmap	11:00 AM PT	11:45 AM PT	<b>Sana, Bala, Alexis</b> <ul style="list-style-type: none"> <li>Release planning process <ul style="list-style-type: none"> <li>Rx process</li> </ul> </li> <li>Present tentative R3 scope overview (user stories)</li> <li>Gather community feedback and discuss release cadence and expectations</li> </ul>	<a href="#">Rx Scope Process</a> <a href="#">Rx Scope Planning</a> <a href="#">Github Issue boards</a>
CNF Cloud Native testing program	11:45 AM PT	12:00 PM PT	<b>Ranny</b> <ul style="list-style-type: none"> <li>Cloud native CNF requirements</li> <li>LFN Cloud Native testing initiative &amp; session intro</li> <li>Connection to Nephio's success</li> </ul>	
Lunch (not provided)				
Platform evolution	1:00 PM PT	2:00 PM PT	<b>Liam / Tal</b> <ul style="list-style-type: none"> <li>Open discussion on future of Porch</li> </ul>	<a href="#">Slides + whiteboard</a> <a href="#">Notes</a>
Onboarding	2:00 PM PT	2:30 PM PT	<b>Stephen</b> <ul style="list-style-type: none"> <li>Network Function (helm support, SDK, operators, etc..)</li> <li>Cloud Platform (infra and tooling)</li> <li>What do we want from the Nephio SDK?</li> </ul>	
CI / CD / CT	2:30 PM PT	3:15 PM PT	<b>Victor</b> <ul style="list-style-type: none"> <li>Tests (unit, integration, e2e) <ul style="list-style-type: none"> <li>GitHub labels</li> <li>GitHub actions vs Prow</li> </ul> </li> <li>Integration test frameworks</li> <li>K8s native test framework</li> <li>Discuss the integration with Production-Ready environments <ul style="list-style-type: none"> <li>Interconnect clusters</li> <li>Infrastructure resources</li> </ul> </li> <li>Validate instructions in Documentation</li> </ul>	 <p>Open_Discussion...fra_project.pdf</p>
Break	3:15 PM PT	3:30 PM PT		

Lesson learned on bare metal deployment	3:30: PM PT	4: 00 PM PT	<b>Sagar / Alexis</b> <ul style="list-style-type: none"> <li>• O-RAN integration lessons learned/challenges from release 2 and release 3 (Sagar)</li> <li>• Real-world challenges and use cases (real clouds, bare-metal, multi-cloud, hybrid cloud)</li> </ul>	
Security in Nephio	4:00 PM PT	4: 30 PM PT	<b>Rahul</b> <ul style="list-style-type: none"> <li>• Identity, multi-tenancy, access (with SIG#4)</li> <li>• Handling Secrets management</li> <li>• Security Best Practices</li> </ul>	<a href="#">Slide deck</a>
TSC Birds of feather session	4:30 PM PT	5: 00 PM PT	<b>Kandan</b>	