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 McEnery 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=Ukl3elFVb1lXdnA0OEVadEhNQmxjQT09
  - 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** - Benefits of TOSCA in Nephio - Ability to rapidly fit into existing Service Provider infrastructure - Support connectivity between Nephio containerized applications with legacy applications (e.g. VM-based or physical infrastructure) - Advanced life cycle management (brownfield discovery)	**Benefits of TOSCA Modelling.pptx**
Invited speakers	**9:00 AM PT**	**9:30 AM PT**	**Federico Cicchello, TIM** **Sylva + Nephio: a best fit!** - A PoC how Sylva v1 fits into Nephio R2 framework as a complementary element **Start of a dialogue for collaboration between the two projects**	**https://wiki.nephio.org/download/attachments/59048002/Sylvav1%E2%80%93NephioR2PoC%20-%20Nephio%20Day.pptx?api=v2**
Invited speakers	**9:30 AM PT**	**10:00 AM PT**	**VisionWave** - GenAI company - LLM for Nephio - Demo	

Break	**10:00 AM PT**	**10:15 AM PT**		
Welcome to the Nephio project	**10:15 AM PT**	**11:00 AM PT**	**Sana, Tal, Ciaran** • Present all sub-teams (with their respective lead if present) • Architecture review (C4 Model) • Nephio Modelling overview • Getting started on Nephio	**Working Groups** **Delivery Teams** **Architecture** **Modelling**
Releases roadmap	**11:00 AM PT**	**11:45 AM PT**	**Sana, Bala, Alexis** • Release planning process ○ Rx process • Present tentative R3 scope overview (user stories) • Gather community feedback and discuss release cadence and expectations	**Rx Scope Process** **Rx Scope Planning** **Github Issue boards**
CNF Cloud Native testing program	**11:45 AM PT**	**12:00 PM PT**	**Ranny** ▪ Cloud native CNF requirements ▪ LFN Cloud Native testing initiative & session intro ▪ Connection to Nephio's success	
Lunch (not provided)				
Platform evolution	**1:00 PM PT**	**2:00 PM PT**	**Liam / Tal** • Open discussion on future of Porch	**Slides + whiteboard** **Notes**
Onboarding	**2:00 PM PT**	**2:30 PM PT**	**Stephen** • Network Function (helm support, SDK, operators, etc..) • Cloud Platform (infra and tooling) • What do we want from the Nephio SDK?	

CI / CD / CT	**2:30 PM PT**	**3:15 PM PT**	**Victor**
			
			• Tests (unit, integration, e2e)
			  ○ GitHub labels
			  ○ GitHub actions vs Prow
			• Integration test frameworks
			• K8s native test framework
			• Discuss the integration with Production-Ready environments
			  ○ Interconnect clusters
			  ○ Infrastructure resources
			• Validate instructions in Documentation
				Open_Discussion...fra_project.pdf

Break	**3:15 PM PT**	**3:30 PM PT**		

Lesson learned on bare metal deployment	**3:30: PM PT**	**4: 00 PM PT**	**Sagar / Alexis** • O-RAN integration lessons learned/challenges from release 2 and release 3 (Sagar) • Real-world challenges and use cases (real clouds, bare-metal, multi-cloud, hybrid cloud)	
Security in Nephio	**4:00 PM PT**	**4: 30 PM PT**	**Rahul** • Identity, multi-tenancy, access (with SIG#4) • Handling Secrets management • Security Best Practices	**Slide deck**
TSC Birds of feather session	**4:30 PM PT**	**5: 00 PM PT**	**Kandan**	