



Nephio TSC Meeting

March 2, 2023



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Meeting Information



Zoom Meeting Information

<https://zoom-lfx.platform.linuxfoundation.org/meeting/91267803435>

Note: Anyone that accesses the link will be prompted to register for the meeting at which point they also add themselves to the invite list.

Etherpad - Meeting Minutes

- <https://etherpad.lfnetworking.org/p/Nephio-TSC-2023-03-02>
- Join the etherpad and set up your name and text color
 - Meeting attendance - no longer needed, tracked by LFX tools
- Please help: The more that participate, the better the minutes

Using the Mail Lists

All groups.io email lists are <list name>+subscribe to subscribe, just email it (content does not matter)

- TSC
 - Post: nephio-tsc@lists.nephio.org
 - Subscribe: nephio-tsc+subscribe@lists.nephio.org
- Development
 - Post: nephio-dev@lists.nephio.org
 - Subscribe: nephio-dev+subscribe@lists.nephio.org
- SIG Automation
 - Post: sig-automation@lists.nephio.org
 - Subscribe: sig-automation+subscribe@lists.nephio.org
- SIG NetArch
 - Post: sig-netarch@lists.nephio.org
 - Subscribe: sig-netarch+subscribe@lists.nephio.org
- SIG Release
 - Post: sig-release@lists.nephio.org
 - Subscribe: sig-release+subscribe@lists.nephio.org

Once you have subscribed, login to lists.nephio.org (ask for a link to be sent), then edit account details

TSC Members



Organization	Name
Sandeep Sharma	Aarna Networks
Erhan Lokman / Erol Ozcan	Argela
Daniel Bernier / Marc-Alexandre Choquette	Bell Canada
Sandip Sarkar / Chandra Thakare	Capgemini
Eric Gaudet	Casa Systems
Bernard Tsai	Deutsche Telekom
Oleg Berzin	Equinix
Ciaran Johnston	Ericsson
Sanju Abraham / Ravi Ravindran	F5
Kandan Kathirvel (Chair)	Google
Cathy Zhang / Sundar Nadathur	Intel

Organization	Name
Sebastian Scheele	Kubermatic
Jane Shen	Mavenir
Timo Perala	Nokia
Eric Debeau	Orange
Sana Tariq (Vice-Chair)	TELUS
Fabrizio Moggio	TIM
Gene Bagwell	Verizon
Hunor Demeter / Padma Sudarsan	VMware
Iain Wilkinson / Riccardo Gasparetto Stori	Vodafone
Bin Yang	Wind River

Agenda

- [Lucy] Antitrust Policy, Minutes and Action Items
- [Agenda]
 - MWC Update
 - Membership Update
 - [Ciaran/Timo] Helm Chart Support for Nephio
- SIG Status
 - [Sana & Kaushik] NetArch
 - [John & Wim] Automation
 - [Stephen & Tina] Release
- Q&A

The Register

Cloud, datacenter vendors muscle in on traditional telco territory at MWC

Join us in the 'new world of opportunity' says GSMA chief

Forbes

FORBES > INNOVATION > CLOUD

Public Cloud Providers At MWC 23 Lure Telecommunication Companies

Janakiram MSV Senior Contributor

I cover Cloud Computing, Machine Learning, and Internet of Things

Networking News

MWC 2023's Biggest Telecom Announcements: Microsoft, Qualcomm, Google, AT&T

BY GINA NARCISI

FEBRUARY 28, 2023, 11:29 AM EST

THE CHANNEL CO.
CRN

Mobile edge, open RAN, 5G and private 5G networking were the hot topics on top of mind for the world's biggest service providers, IT vendors, and telecom equipment makers at MWC 2023 in Barcelona this week.

SiliconANGLE

At MWC 2023, Google Cloud targets cloud-native network transformation

Google Cloud said today at MWC, the former Mobile World Congress, that it's taking steps to help communication service providers double down on their network transformation efforts. It's doing

Feb 26th (54 kB)



Membership Update

- Begin transition to Directed Fund
- Community documents are ready
- Linux Foundation will begin to reach out to community members beginning Monday

Nephio Support for Helm Charts (Proposal, to be discussed)



- Use of Helm charts for deploying Kubernetes workloads is ubiquitous in the telecommunication industry, with investment and use over several years
- Supporting Helm in Nephio is critical to get adoption as the transition to CRDs will happen gradually
- We propose that we have an urgent discussion in SIG Automation on how we can support Helm in Nephio
- The goal is to produce a framework how to enable Helm in Nephio and have it documented/considered for R2.

SIG Updates

1. SIG NetArch
2. SIG Automation
 - Delivered CRD proposal to SIG NetArch
 - Created three subprojects for better parallel execution
 - Next: subprojects begin execution on R1 tasks
3. SIG Release

Q&A and Next Steps



The next TSC meeting will be on Thursday, March 16th

Thank you!

Google: Upcoming contributions

- [Early Feb] Nephio R1 design proposal & deployment CRDs (UPF / AMF / SMF)
- [End Feb] Google seed code 2 (matching the CRDs and design proposal) drop to Nephio repo
 - Deployment CRDs for 5GC NFs
 - NF Topology (deployment and hydration pipeline) Operators
 - NF status reporting pipeline for intent reconciliation

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Roadmap towards Release 1



Reminder to TSC and SIG group on R1 process

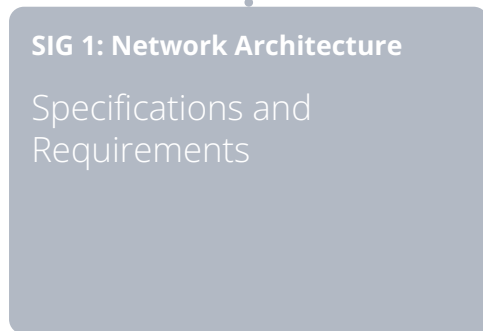
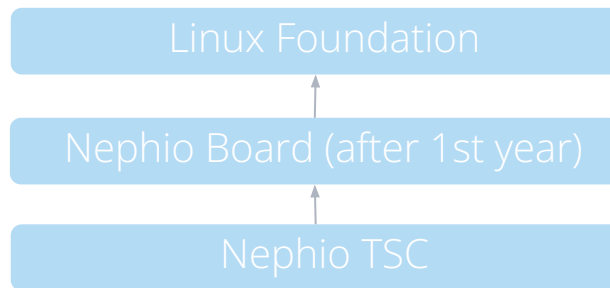
Release State	Description	Required information	TSC acceptance criteria
Proposal	Initial release proposal	The presentation by SIG should include clear use cases, software components, and timeline.	The proposal aligns with Nephio Charter and goals.
Incubation	Proposal is approved by TSC and in development	SIG should present periodic updates (at least every month) to TSC. Any key roadblocks should be highlighted to TSC.	TSC should monitor the progress and guide the SIG to resolve any roadblocks.

- SIG to present the readiness to TSC
- TSC to review and approve the release

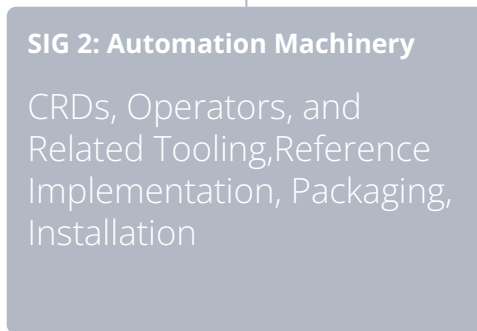
Mature	Release is completely ready, tested, and document is ready to be published	SIG should present the readiness, user guide, release notes, known bugs, and other relevant information to TSC.	TSC should review the readiness and vote to accept the release.
Core	Software is released to the public/community and supported by the community for patches. Each release needs to be supported by the community for at least 2 years or TSC approves the exception. Community to support backward compatibility of releases for smooth operations.	TSC approved the release and information is documented for the public. Latest release becomes the Core. Previous release is tagged with end-of-life. Core releases are numbered in this sequence release #. Patch version # Multiple core patches can be released and SIG can make the release decision of patches and TSC approval is not required.	TSC should coordinate with LF for the public announcement and marketing.
Archived	The release is no longer supported by the community (after two years or as per TSC decision) and stored as archived software for public reference	Archived release should be documented in the wiki.	TSC approves the archival

Proposals to scale

Establish the board at the end of 1st year. April 2023

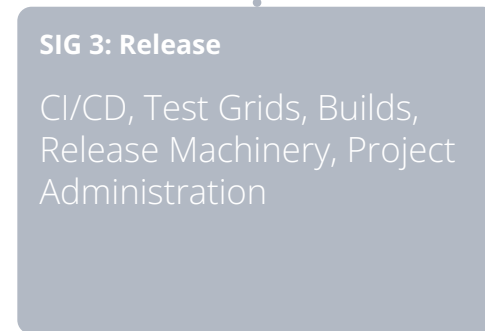


+ SIG 1 to plan for additional use cases



+ New projects

Speed up the community innovation and support new sub-groups/projects under SIG 2 to develop backlog



Establish Board in 2023

Prior TSC slide:

LF Proposal is here

<https://wiki.nephio.org/display/HOME/Contributor+License+Agreement>

- Lucy shared the same documents to TSC on Thu, Jan 12
- TSC members to review and provide feedback by Jan 31st.
- TSC to vote and decide the adoption of this CLA method/changes on Feb 2nd, 2023
-

Welcome additional contributions - R1 and beyond



User Stories

- Multi-cloud
- Multi-NF
- Multiple use cases i.e Beyond Mobility; Wireline, Transport, SD-WAN, etc.,
- Large scale deployments



CRD/Operators

- Establish CRD schema
- Operators SDK
- Helm & Yang to Nephio CRD converter
- Compliance and certification program



Control-Plane

- SDK for building Operators
- Operators of operators
- UI: GUI & APIs
- UI: Design Studio
- Integration APIs to MSO, Inventory systems, BSS

TSC Proposals to add new projects



TSC to review and approve new sub-projects focused in delivery of Nephio v1 & ++



Any community members can bring in projects



TSC to vote and direct the project either to SIG 1 or SIG 2 or SIG 3 depending on the nature of the project



Governance provided by the main SIG



Sub-SIG operates