Nephio TSC Meeting

February 16, 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-2023-02-16

- 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	Organization	Name
Sandeep Sharma	Aarna Networks	Sebastian Scheele	Kubermatic
Erhan Lokman / Erol Ozcan	Argela	Jane Shen	Mavenir
Daniel Bernier / Marc-Alexandre Choquette	Bell Canada	Timo Perala	Nokia
Sandip Sarkar / Chandra Thakare	Capgemini	Eric Debeau	Orange
Eric Gaudet	Casa Systems	Sana Tariq (Vice-Chair)	TELUS
Bernard Tsai	Deutsche Telekom	Fabrizio Moggio	TIM
Oleg Berzin	Equinix	Gene Bagwell	Verizon
Ciaran Johnston	Ericsson	Hunor Demeter / Padma Sudarsan	VMware
Sanju Abraham / Ravi Ravindran	F5	Iain Wilkinson / Riccardo Gasparetto Stori	Vodafone
Kandan Kathirvel (Chair)	Google	Bin Yang	Wind River
Cathy Zhang / Sundar Nadathur	Intel		

Agenda

- [Lucy] Antitrust Policy, Minutes and Action Items
- [Agenda]
  - Upcoming Blogs
  - Nephio upcoming blogs (Kandan & Sunny)
- SIG Status
  - [Sana & Kaushik] NetArch
  - [John & Wim] Automation
    - Release 1 - Community Plan for Plan (John & Wim)
  - [Stephen & Tina] Release
- Q&A

Nephio upcoming blogs

- Theme : R1 highlights, welcome collaboration, etc.,
- Each SIG group to author 1 blog (Coordinated by Chair/Vice-Chair)
- TSC to author 1 blog (Coordinated by Chair/Vice-chair)
- Due by end of Feb and Publish March 1st week

SIG Updates

1. SIG NetArch
2. SIG Automation
   - Progressing on R1 planning - see [project board](#)
     i. Making progress on design tasks, prerequisite for more concrete plan
     ii. Planning delivery of initial CRD design to SIG NetArch next week
     iii. Expect draft designs by end of Feb
   - Gathering capacity info on contributors
   - Next TSC: more detail on schedule and deliverables, once designs and capacity are clearer
3. SIG Release

Q&A and Next Steps

The next TSC meeting will be on Thursday, March 2nd

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

April
Nephio
Launch

June
Dev
Summit

June
Google seed
Code 1

Sep
Community
established

Oct
R1 Scope
Finalized

Nov
R1 Stories
Completed

Nov
Dev
Summit 2

Jan-March
Google seed
code 2

April
R1 dev
complete

May
Nephio R1
Release

May
Development
R2+

Q2   **Q3**   **Q4**   **Q1**   **Q2**

2022 - Completed   **2023 - Progress**

Reminder to TSC and SIG group on R1 process

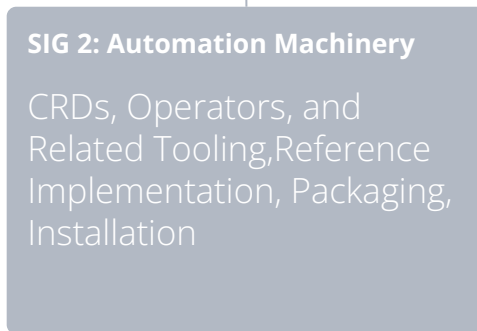| Release State	Description	Required information	TSC acceptance criteria
Proposal	Initial release proposal	The presentation by SIG should include clear use cases, software components, and timeline.	The proposal aligns with Nephio Charter and goals.
Incubation	Proposal is approved by TSC and in development	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.

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

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

Proposals to scale

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

Linux Foundation

Nephio Board (after 1st year)

Nephio TSC

SIG 1: Network Architecture

Specifications and Requirements

SIG 2: Automation Machinery

CRDs, Operators, and Related Tooling,Reference Implementation, Packaging, Installation

SIG 3: Release

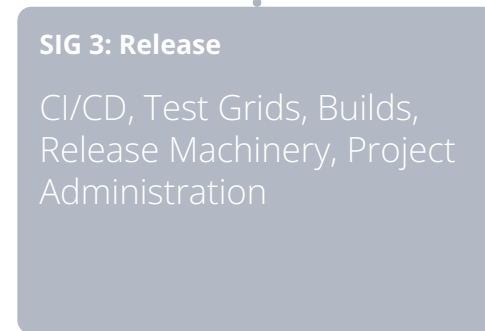CI/CD, Test Grids, Builds, Release Machinery, Project Administration
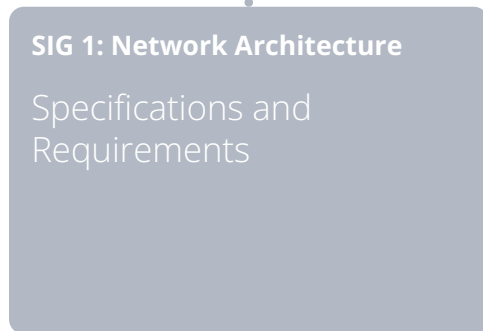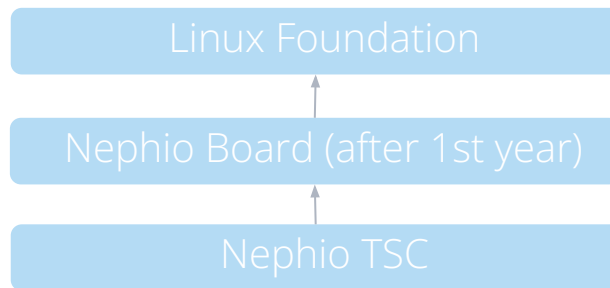
+ **SIG 1 to plan for additional use cases**

+ **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

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