

Meeting 072021 (Demo Deep Dive)

Attendees: PLEASE ADD YOUR NAME HERE USING YOUR LF ID. IF YOU DON'T HAVE ONE, GET IT HERE: <https://myprofile.lfx.linuxfoundation.org/>.

Name	Representing
LJ Illuzzi	LFN
Brandon Wick	LFN
Ganesh Venkatraman	Kaloom
Sveto Ignjatovic	Kaloom
Sriram Rupanagunta	Aarna Networks
Dibas Das	
Jacobus Venter	Kaloom
Rajendra Prasad Mishra	Aarna Networks
Nidhi Shivashankara Belur	Intel
Rajat Gupta	Capgemini
Amar Kapadia	Aarna Networks
Yogendra Pal	Aarna Networks

NOTE: This is the weekly technical deep dive call to prep the latest version of the 5G Cloud Native Network Demo for ONE Summit 2021, Oct 11-12. If you would like the meeting invite, please email bwick@linuxfoundation.org and lilluzzi@contractor.linuxfoundation.org.

Call Schedule / New Participants

This call has changed to weekly at 7:00 AM PT on Tuesdays leading up to ONE Summit in the fall. Welcome new participants.

Note: LF TPM LJ Illuzzi has a new email address: lilluzzi@linuxfoundation.org.

Status Check / Open Questions

Slicing:

Sriram: 1. Debugging the slice creation (CapGemini 5G Core) (Rajat helping). 2. Kaloom. Simplification done. Now, final integration. 3. Bring up NGC on Montreal Lab. Licensing needed. Kaloom forwarded to Hanen on Friday. Add Rajendra to the thread.

RAN:

Update from Rajat: I am working with Aarna and Kaloom for the slicing demo from core perspective. We have it running in the UNH lab and now we are replicating the same in VCO (Kaloom) lab. Working to resolve it this week.

Update from Utkarsh: I am including Amit Kapoor to help you with RAN binaries. Amit Kapoor, pls help Brandon and team with RAN CNFs and remote installation. Brandon to connect with Sveto to provide that access.

Sam/Nidhi to send FPGA. Nidhi checking on this.

Radio:

Sveto/Hardik connecting tomorrow on VPN connections for testing.

Overall:

No other updates.

Future:

Next week: Talk through Demo options for October: What/How to show? Demo Recordings. How to frame?

Can we share what's been done in the past? Brandon to show this to kick off next week.

Louis: A "Document as you Build" approach would help expand our options. Ties into the Cookbook/Playbook approach.

Louis will explore a video/capture platform.

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Notes from calls 071321

Status Check / Open Questions

Slicing:

Simplifying the scope (Sveto/Sriram). E2E testing pending. Rebaca ABoT simulator to be added. Access to lab needed. Status?

Decided how to pre-configure some things. Completed testing. Hopefully, we should have E2E functionality (Core). CG 5G Core + Kaloom UPF. Related activity. Instantiate CG 5G Core in Montreal Lab (Hanen help).

RAN:

RAN Installation underway: CapGemini/Altran/FlexRAN/Radio. Amar reaching out for to Magma on Core integration.

Installing FlexRAN + CapGemini CU/DU in Kaloom lab (manually first). Licensing issue to work out for RAN + Core (CU/DU) Done by Kaloom (per Sveto). Aarna to provide addresses.

Intel to install FlexRAN. Needs a Docker image from Utkarsh (Nidhi/Sam).

Intel has installed FlexRAN (L1 part). Need to integrate CU/DU from Altran. Sam will ship board to Sveto. Following up with Rajat to ensure lab access.

Radio:

Plan: Get the radios fully configured before shipping to Montreal. Set up VPN. (Need to connect Austin Lab to Montreal). Sveto to provide access to Hardik to get VPN going. Once connected, need to configure the radio to talk to the CU/DU.

Overall:

Aarna to connect to the cluster/core (Aarna Team). Connecting to Montreal Lab (part of slicing of the slicing). Connection made!

Sam: Do we have a UE? Yes, Samsung A20 with Qualcomm.