Meeting 071321 (Demo Deep Dive)

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

Name	Representing
LJ Illuzzi	LFN
Brandon Wick	LFN
Hanen Garcia	Red Hat
Ganesh Venkatraman	Kaloom
Sveto Ignjatovic	Kaloom
Hardik Jain	GenXcomm
Sriram Rupanagunta	Aarna Networks
Dibas Das	
Jacobus Venter	Kaloom
Rajendra Prasad Mishra	Aarna Networks
Sam Diep	Intel
Nidhi Shivashankara Belur	Intel
Satish Verma	Spirent
Kader Khan	Wavelabs
Rajat Gupta	Capgemini

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.

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.

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Notes from call on 070621

Call Schedule / New Participants

Moved today's call up to 7:00 AM PT to better accommodate team members in India. Does this time work for all going forward? Yes. Brandon to ensure all parties are invited to this call. Add Sriram R and Yogendra P and Rebaca Team.

Status Check / Open Questions

Diagrams: Last time we reviewed Amar's Demo overview Diagram (v1). Any Updates, feedback? Not yet. Moving forward with this diagram. Brandon to add to meeting notes.

Slicing:

Slicing being done though ONAP. The slice has been created! Moving into testing phase. Updates/feedback?

Sriram on Slicing. Altran integration is more of less done. Testing with a simulator. What's pending is a full integration with Kaloom. Perhaps we consider simplifying the scope. We need some help here, how do we simplify? Sveto, Sriram to synch this week on slicing. Once done, we need to make a data connection with Kaloom UPF included, then move all to the Montreal Lab. OpenShift installed. E2E testing pending. Rebaca Abot simulator to be added, getting them access to the lab.

RAN:

We are working on installing the RAN: CapGemini/Altran/FlexRAN/Radio. Once done, move to E2E testing. Note: Custom: NSSMF for 5G Core. We might have to do the same with Magma. Amar to reach out to Magma team for this. Might help shape Magma slicing architecture. CU/DU Images, FlexRAN, CENTOS, Baremetal.

Amar: Key Items are to install flexRAN + CG CU/DU in Kaloom lab (manually first per Hanen suggestion). Intel to install FlexRAN (Nidhi/Sam), CapGemini piece is on a container, licensing issue to work out (for RAN + Core). Hanen to talk to Intel. Key Follow Up: Get a docker Image from Utkarsh and give info to Nidhi + Sam. Probably best if they do the installation.

Radio:

GenXComm team wanting to check in and integrate. Plan: Get the radios fully configured before shipping to Montreal. Status? Timeline? Wanting to set up a VPN to the Kaloom lab. This has not been set up yet, will connect with them after we have the CapGemini piece going. Ganesh to ping Hardik today about testing and access.

Overall:

Hanen in touch with Nidhi. No installation has been done yet. They have a server with FPGAs, supposed to be what is needed to run.

Can Aarna connect to the cluster/core? Yes, they have access. Will try installation and see how it goes.