

# Meeting 070621 (Demo Deep Dive)

Attendees:

Name	Representing
LJ Illuzzi	LFN
Brandon Wick	LFN
Hanen Garcia	Red Hat
Ganesh Venkatraman	Kaloom
Sveto Ignjatovic	Kaloom
Amar Kapadia	Aarna Networks
Sriram Rupanagunta	Aarna Networks
Dibas Das	
Rajat Gupta	Altran
Rajendra Mishra	
Yogendra Pal	

Agenda:

Call Schedule / New Participants

Status Check / Open Questions

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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 or 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.

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### **Notes from call on 060821**

The team working most closely with the latest version of the 5G Cloud Native Network Demo met separately to discuss the lab configuration, radio, and components to be included in the next iteration of the demo to be shown at the [ONE Summit, Oct 11-12, Los Angeles +Virtual](#). The Team agreed to meet bi-weekly (during the off-week of the 5G SBP Call) on Tuesday's at 12:00 PM PT.

### **Agenda: Status Check**

Altran RAN Team has DU/CU built as 2 separate images. Will provide 1 CNF w/o the FlexRAN (will need to write a helm chart). CENTOS on Baremetal. Why? Altran providing L2 & L3. FlexRAN is Layer 1.

FlexRAN itself is not containerized. Container would not be orchestrated by K8s, OpenShift or ONAP.

Hanen/Kaloom Team to establish Bare Metal space. E2E integration will have hiccups. Can we start working this through and then get on OpenShift.

Treat as a physical function. If we make process on Container, we move physical to another servers. We will need 2 servers for this. No new instances of the network functions. Sort of like a shared slice.

We're not sure if Altran wants to create new instances. Will need to check, team has been largely offline due to COVID. Hoping for an Altran update this week.

Ganesh: Option 1: NF (slice it) Option 2: 2 Different namespace. Not sure which way this is going.

Hanen/Sveto to work on the server.

We need to make sure Sam/Nidhi have access to the Lab and can do implementation of the FlexRAN Part. Need the FlexRAN images.

RH can install CentOS, Intel needs to install FlexRAN. We need names/addresses to allow access.

We need a network diagram here. Amar to take the first pass at a Low Level IP Diagram with IPs/Interfaces.

Amar to follow up with Utkarsh about CU/DU container, Docker Image, FlexRAN, etc.