08/19-20/2019 Akraino Mini Summit



The Linux Foundation Akraino Edge Stack community is conducting a mini-summit on August 19-20th in San Diego. The mini-summit will be hosted at Qualcomm headquarters and will occur the two days before the Linux Foundation Open Source Summit North America.

The event will cover demos of Akraino Release 1 blueprints, planning for Akraino Release 2 and discussions on edge APIs and other edge computing related technical topics. Led by experienced architects, designers and implementers, the mini-summit will provide a unique opportunity to learn best practices and acquire needed skills in edge computing space. There is no cost to attend the event and we encourage everyone interested in edge computing infrastructure to attend.

Akraino Edge Stack, a Linux Foundation project initiated by AT&T and Intel focused on developing a fully integrated edge infrastructure solution. The project is completely focused towards Edge Computing. The open source software stack provides critical infrastructure to enable high performance, reduce latency, improve availability, lower operational overhead, provide scalability, address security needs, and improve fault management. The Akraino community addresses multiple edge use cases and industries, not just the Telco Industry. Akraino community develops solutions and supports carrier, provider, and IoT networks.

Thus, the mini-summit will provide the access to most comprehensive coverage of topics in edge computing space and provide a unique opportunity for peer networking to connect with fellow professionals and expert practitioners from industry-leading companies such as AT&T, Intel, Ericsson, Nokia, Qualcomm, ARM, Juniper, RedHat, Wind River and others.

Meeting Agenda Lead: Tina Tsou, Akraino TSC Co-Chair

Please submit any questions about this event to tsc@lists.akraino.org.

Please RSVP below

Hosted by Qualcomm.

Etherpad: https://etherpad.akraino.org/p/tV5VgzfX3g

Agenda: (Contact: Kandan Kathirvel (TSC-Chair) for edits/changes /addition to the agenda))

Day 1, Monday, 19 Aug 2019

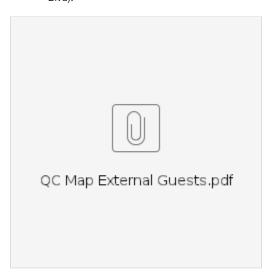
Room: AZ Auditorium + 3 Multipurpose rooms

Time (Local time, PT)	Topics, Zoom Recording, Akraino PPT Template
8:30 am - 9:00 AM	Breakfast

Dates and Locations:

19 Aug 2019 to 20 Aug 2019

 Qualcomm AZ Auditorium at 10155 Pacific Heights Blvd, San Diego, CA 92121 (corner of Pacific Center Blvd/Pacific Heights Blvd).



Day 1:

19 Aug 2019 The meeting will be held in Qualcomm AZ Auditorium and up to 3 multipurpose rooms.

Note: The Zoom meeting sessions will be recorded and posted to this event page.

- Qualcomm Hosted Breakfast
- Meeting Start 9am
- Qualcomm Hosted Lunch 12:00 to 1:00 pm
- Qualcomm Hosted Coffee Breaks 10:30am to 10:45am, 3: 30am to 3:45pm
- Meeting End 5pm
- Qualcomm Hosted Happy Hour on building AZ rooftop

Please provide an RSVP (in person, via Zoom, or not attending) here for Day 1 of the event. This is very important for logistics and planning purposes.

(** for those unable to RSVP via the link above (Groups.io) you may RSVP at https://forms.gle/6Hi65VGH8Zpu5fmu7. The primary RSVP tool, and where any updates will be sent to, is the RSVP link above (https://lists.akraino.org/g/tsc/viewevent?eventid=497644&calstart=2019-08-19))

Day 2:

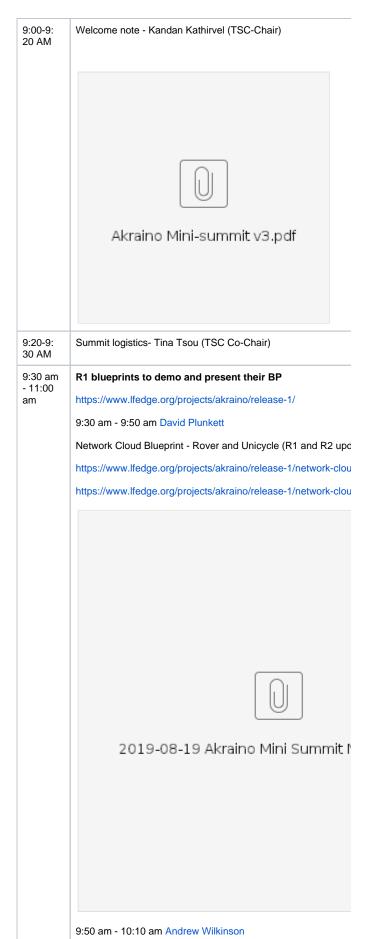
20 Aug 2019 The meeting will be held in Qualcomm AZ Auditorium.

Note: The Zoom meeting sessions will be recorded and posted to this event page.

- Qualcomm Hosted Breakfast
- Meeting Start 9am
- Qualcomm Hosted Coffee Break 10:30am to 10:45am
- Meeting End 12pm
- Qualcomm Hosted Lunch

Please provide an RSVP (in person, via Zoom, or not attending) here for Day 2 of the event. This is very important for logistics and planning purposes.

(** for those unable to RSVP via the link above (Groups.io) you may RSVP at https://forms.gle/6Hi65VGH8Zpu5fmu7. The primary RSVP tool, and where any updates will be sent to, is the RSVP link above (https://lists.akraino.org/g/tsc/viewevent?eventid=497645&calstart=2019-08-20))



Visa Letter Request Process: https://events.linuxfoundation.org/visa-request/

Recommended Airport: San Diego International Airport (SAN)

Distance from Airport: ~17 miles; 30 min drive.

Recommended Area Hotel(s): if wanting to stay near Qualcomm; ask for Qualcomm rate when booking stay

- Hyatt House San Diego/Sorrento Mesa
- Country Inn & Suites by Radisson San Diego North
- Holiday Inn Express & Suites San Diego/Sorrento Valley
- Extended Stay America San Diego/Sorrento Mesa
- Residence Inn by Marriott San Diego/Sorrento Mesa/Sorrento Valley
- Courtyard by Marriott San Diego/Sorrento Valley

Transportation Options: Self driving, Taxi, Uber, or Lyft

Guest Parking Available:

- Qualcomm parking structure (entrance on Pacific Center Blvd)
- or street parking

Corporate Security Access: Not applicable. Conference center is open. Will have attendee name badges on stickers.

Guest Wifi: Will be provided on site.

Special Note regarding events following the Akraino Mini Summit in San Diego:

- LF Edge will be hosting a mini-Summit prior to Open Source Summit North America, starting at 2pm PDT on August 20
 - For more information, see State of the (LF) Edge Co-Located Event
- Open Source Summit North America will be held August 21 -23 at the Hilton San Diego Bayfront
 - LF Edge members can receive a 20% discount off Attendee Registration. Email info@lfedge.org for the discount code.

Network Cloud Blueprint - OVS-DPDK (R1 and R2 updates)

https://www.lfedge.org/projects/akraino/release-1/network-clou



10:10 am - 10:30 am Trevor Tao

IEC blueprint type 1 (R1 and R2 updates)

https://www.lfedge.org/projects/akraino/release-1/integrated-ed



11:00 am - 11: 15 am	Coffee Break
11:15 am - 12: 35 pm	

https://www.lfedge.org/projects/akraino/release-1/integrated-ecedge/

Akraino--- IEC v0.2.pdf

11: 35 am - 11:55 am Paul Carver
Radio Edge Cloud Blueprint (R1 and R2 updates)
Slides in Powerpoint and PDF
https://www.lfedge.org/projects/akraino/release-1/telco-applian
11:55 am - 12:15 PM khemendra kumar

11:15 am - 11:35 am Trevor Tao

IEC blueprint type 2 (R1 and R2 updates)

Akraino_ELIOT_R...e_features.pptx

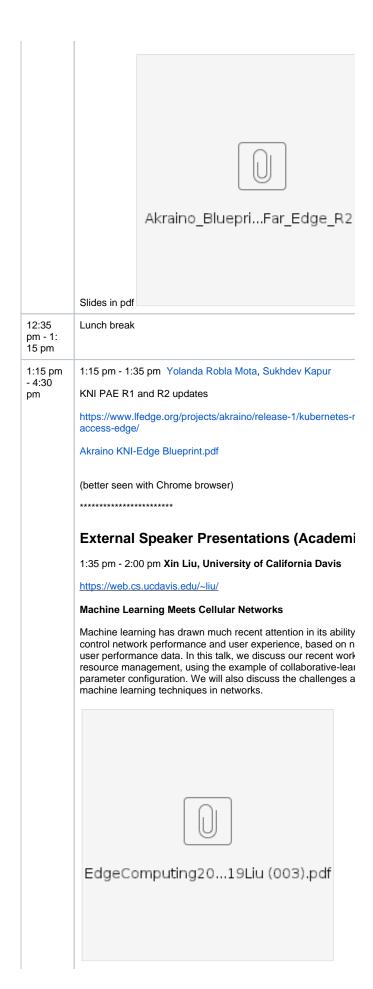
https://www.lfedge.org/projects/akraino/release-1/edge-lightwe https://www.lfedge.org/projects/akraino/release-1/edge-lightwe

12:15 PM - 12:35 pm Glenn Seiler

Starlingx R1 and R2 updates

Eliot R1 and R2 updates -

https://www.lfedge.org/projects/akraino/release-1/starlingx-far-



2:00 pm - 2:20 pm Aurojit Panda NYU and ICSI

https://cims.nyu.edu/people/profiles/PANDA_Aurojit.html

Programming the Edge

In the last few years there has been increased interest in deplonetwork edge to improve application performance and reduce. However, the introduction of computation of network edges matchieve correctness and efficiency, requiring developers to matchieve the edge and backend servers running at a cloud propresent some early results from our attempts to build an edge ensures correctness while providing abstractions that application improve performance, and also briefly discuss application leve the edge.

2:20PM - 2:40 PM Professor Ken Birman, Cornell Universit

http://www.cs.cornell.edu/ken/

Enabling Cloud-Hosted Intelligence for Real-time IoT Appl

Deploying machine learning into IoT cloud settings will require infrastructure. Cornell's open-source Derecho system represe solving the resulting problems, but I'll also point to open techni to be solved as we progress further in this direction.



R2 blueprints (in dev) to show case what is coming next

2:40 pm - 3:00 pm Bruce Tencent

ELIOT AIoT in Smart Office Blueprint



3:00 pm - 3:20 pm Wenhui Zhang

IEC Type 4: AR/VR oriented Edge Stack for Integrated Edge C



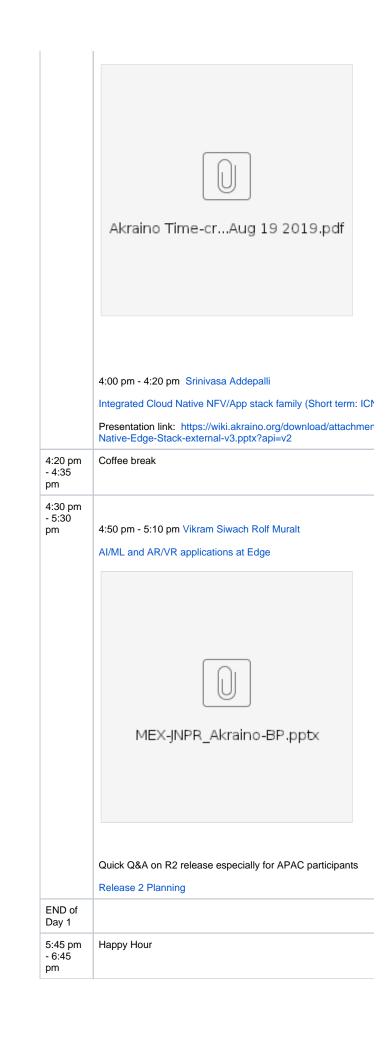
ARVR.pdf.pdf

3:20 pm - 3:40 pm Sukhdev Kapur

Network Cloud and TF Integration Project

3:40 pm - 4:00 pm Shane Dewing

Time-Critical Edge Compute



Day 2, Tuesday, 20 Aug 2019

Room: AZ Auditorium only

Time	Topics, Zoom Recording, Akraino PPT Template
8:30 am	Breakfast
9:00 am - 9:10 am	Recap of day 1 and Open discussion on BP collaborations - Coordinator: Kandan
9:10 am - 9:30 am	Connected Vehicle Blueprint xin qiu
9:30 am - 9:50 am	IEC Type 5: Al on the edge for Integrated Edge Cloud (IEC) Blueprint Family @Wei TaoHechun Zhang
	Open discussion about R2. Address any questions - Coordinator: TSC
9:50-10: 10	Upcoming events/Summit - Update by Balaji
10:10-10: 30	Akraino Community lab update and open discussion - Coordinator: Lincoln
10:30-10: 50	Edge APIs Open discussion - Coordinator: Vikram 1. What level of APIs required by different use cases? 2. Summary of the discussion from previous minisummit
10:50 am - 11:00 am	LF Edge project collaborations with Akraino
11:00 am - 11:15 am	Coffee Break
11:15 - 11:35 am	Akraino TSC member election - process update - TSC Open discussion
11:35-12: 00	Sub- committee topics - Open discussion with Sub-committee chair
12:00 pm - 1:00 pm	Lunch