

A network diagram background consisting of numerous yellow circular nodes connected by thin blue lines, set against a dark blue gradient background.

LF Edge TAC Technical Advisory Council

7 April 2021

 THE **LINUX** FOUNDATION

 **LF** EDGE

Meeting Details

- › April 7, 2021 (@ 7:00am PDT)
- › Meeting Info:
 - › Meeting URL: <https://zoom.us/j/94796108342?pwd=VjlaMTBxcXFOQ3pVcU85NTJvWkxaZz09>
 - › Calendar Subscription: <https://lists.lfedge.org/g/TAC/calendar>

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LF Edge TAC

Project/Member	Representative	Named Alternate	Project/Member	Representative	Named Alternate
Altran	Shamik Mishra	Nilanjan Samajdar	HP Inc.	Henry Lau	
Arm	Reed Hinkel	Tina Tsou	Huawei	JianGuo Zeng	Gabriel Yuyang
AT&T	Kaustubh Joshi (KJ)		IBM	Joseph Pearson	Ryan Anderson
Baidu	Leding Li		Intel	Jim St. Leger (TAC Chair)	Sharad Mishra
Charter	Jeffrey Saelens	Mohammad Zebetian	Nokia	Tapio Tallgren	
Dell	David Lake	Trevor Conn	NTT	Takeshi Kuwahara	
Dianomic	Mark Riddoch	Tom Arthur	OSIsoft	Daniel Lazaro	
Equinix	Justin Dustzadeh		Radisys	Adnan Saleem	Prakash Siva
Ericsson	Torbjörn Keisu	Andrew Wilkinson	Red Hat	Anil Vishnoi	Thomas Nadeau
Fujitsu	Toshimichi Fukuda	Hatsumi Iino	Samsung	MyeongGi Jeong	Chi-Hyun Cho
Futurewei	Chaker Al-Hakim	Deepak Vij	Tencent	Yachen Wang	Wei Chen

LF Edge TAC

Project/Member	Representative	Named Alternate	Project/Member	Representative	Named Alternate
Western Digital	Jorge Campello De Souza		Akraino	Tina Tsou	Oleg Berzin
Wipro	Subhas Mondal		EdgeX Foundry	Henry Lau	
ZEDEDA	Erik Nordmark	Roman Shaposhnik			

Topics

1. Community Lab - Purchase Request for TAC Approval
2. End User Solution Groups
3. TAC Chair - elections
4. PLD Form - Stage 1 Questions
5. Slack
6. Upcoming Events / Next Meeting

Community Lab - Purchase Request for TAC Approval

Lincoln Lavoie

Community Lab - Purchase Request for TAC Approval

- › Hardware Request - EVE / FLEDGE
 - › EVE / FLEDGE projects are building a test / demo environment to provide the community access to a staged instance of EVE and FLEDGE. As part of this environment, there is a request to add a FLIR camera, to provide “real” input to the system for the user experience. The FLIR camera would be hosted in the shared community lab.
 - › Camera will be hosted in the mechanical room, to provide IR view of real pumps (i.e. something interesting to look at), without looking at un-aware human beings. Camera hooks up to the IOT gateway over IP.
 - › The total cost of the camera, is \$1,350 (plus shipping).
 - › Lab 2021 Budget for planned expansions is \$80,000
 - › 2021 Spend to date: \$37,650 (3 ampere servers & x86_64 IOT gateway) + \$650 (for approved aarch64 IOT gateway)
- › TAC Vote to Approve

End User Solution Groups

End User Solution Groups

- › [End User Solutions Groups](#) (EUSGs) focus on End Users of LF Edge Projects. Through cross-Project open discussion, with end users at the table, EUSGs desire to gather a common understanding of User requirements. Output of EUSGs shall include Demos, Messaging, White Papers and other collateral. Output shall also help provide value to Project Release Roadmaps/Feature Prioritization.
- › The End User Solutions Groups are to be made of individuals at end-user organizations and technical representatives from LF Edge Technical Projects. Membership in each End User Solutions Group shall be limited to two (2) individuals from any End User Company, or one (1) individual from an Industry Expert Company. Additional eligibility guidelines can be found under Section 3 of the [EUSG Charter](#).
 - › If you believe you meet the requirements, you may request an application by emailing membership@lfdedge.org.
 - › If you are interested in proposing a new Vertical, please complete the [Proposal Template](#).

End User Solution Groups - First Priority

- › First priority is identifying a Vertical to launch around (e.g. Manufacturing?)
 - › Need a volunteer to propose / complete [template](#) for SPC approval
- › Eligible participants still able to complete applications in the interim, but will require associated Vertical group to be launched before participation is activated.

TAC Chair - elections
Brett Preston

TAC Chair - elections

- › As per [Charter](#), "... preside over meetings, set the agenda for meetings, ensure meeting minutes are taken and who will also serve on the Governing Board as the TAC's representative (the "TAC Representative");"
- › Current term ends May 6, 2021
- › Proposed timeline:
 - › Nominations: April 21 - April 29
 - › Voting: April 29 - May 6
 - › Single candidate: Announced over the mail list
 - › Two candidates: Majority vote
 - › Three+ candidates: Condorcet, rank-based, vote
- › Current Chair can run again
- › Any questions on the role, feel free to reach out to Jim St. Leger / LF team

PLD Form - Stage 1 Questions

Brett Preston

PLD Form - Stage 1 Questions

- › Question raised over email by a Member preparing to submit in for Stage 1 consideration:
 - › Are "Project Proposal - Mapping Criteria and Data" and "Project Proposal - Taxonomy Data" two parts compulsory at this stage?
- › Discussion

Slack
Brett Preston

Slack

- › # general channel
 - › Receives a lot of Project specific questions
 - › Community is good about responding and redirecting, but do we want to consider similar model as CNCF, where limited number of people can post in the # general channel
 - › CNCF # general channel topic: Please don't discuss events/technical questions here! Event posts go on [#events](#), also see Slack guidelines are here <https://github.com/cncf/foundation/blob/master/slack-guidelines.md>

Upcoming Events

Upcoming External Events

- › [Embedded IoT World](#): 28-29 April, 2021 - Virtual
 - › [Kubernetes on Edge Day](#): 4 May, 2021 - Virtual
 - › [Think 2021](#): 11-12 May, 2021 - Virtual ([ORRA](#) presentation)
 - › [Open Source Summit Europe](#) / [Embedded Linux Conference](#): 28 Sept - 1 Oct, 2021 - Dublin, Ireland
 - › [CFP](#) Deadline: 13 June, 2021
 - › [OSPOCon](#): 29 Sep - 1 Oct, 2021 - Dublin, Ireland
 - › [CFP](#) Deadline: 13 June, 2021
 - › [IoT Solutions World Congress](#): 5-7 October, 2021 - Barcelona, Spain
 - › [CFP](#) is open (closes 15 April)
 - › [Call for Testbeds](#) is open (closes 20 May)
 - › [Open Networking & Edge Summit North America](#): 11-12 October, 2021 - Los Angeles, CA + Virtual
 - › [KubeCon + CloudNativeCon North America](#): 12-15 October, 2021 - Los Angeles, CA + Virtual
 - › [CFP](#) is open (closes 23 May)
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- › Discussions around upcoming events occur in the LF Edge Outreach Committee
 - › Members may subscribe at: <https://lists.lfedge.org/g/outreach-committee>

Next Meeting

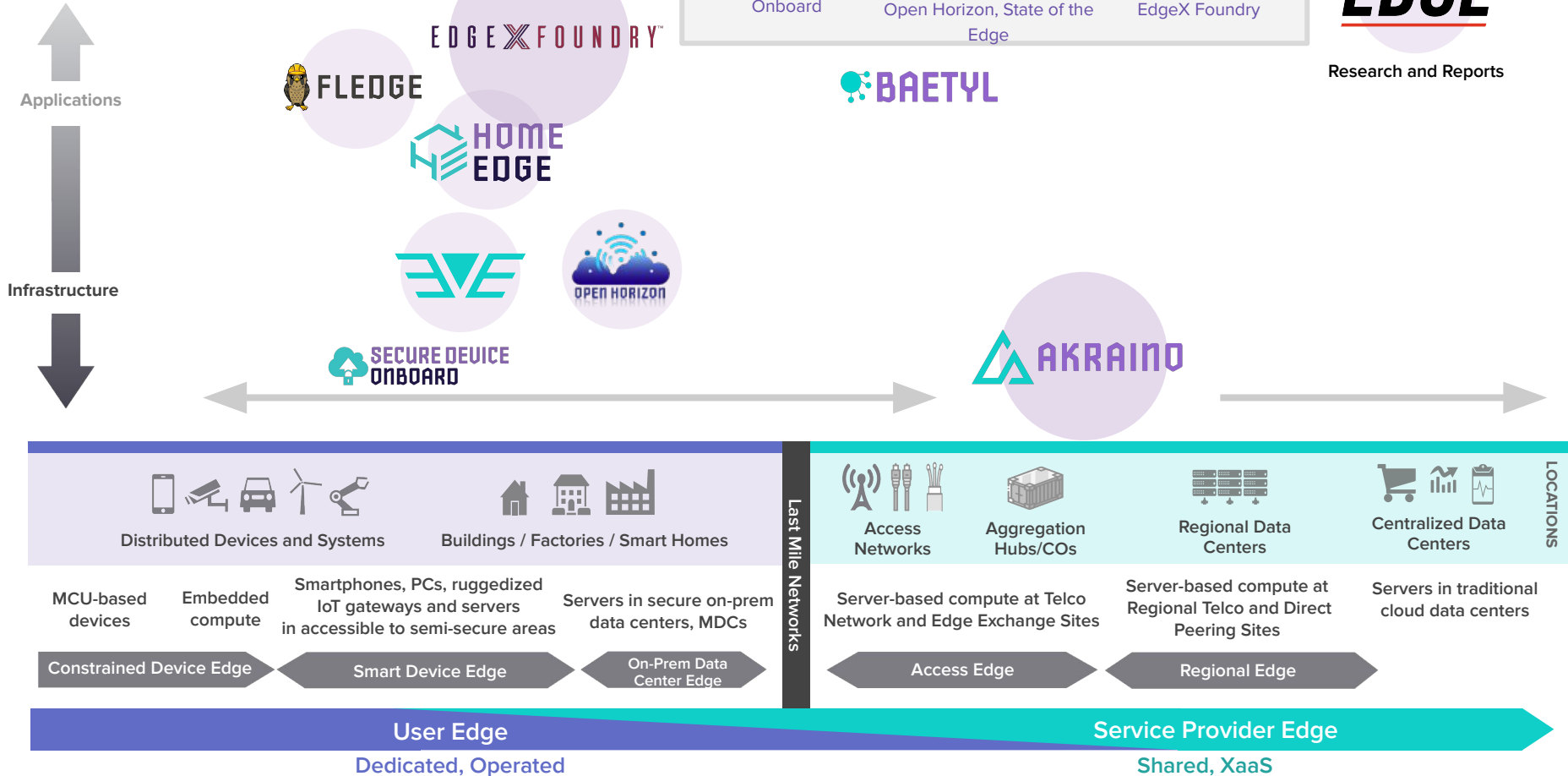
Next Meeting

- › Next Meeting: Wednesday, April 21 @ 7am PT
 - › Topics
 - › Open Retail Reference Architecture
 - › Future Topics
 - › EdgeX Ireland Release (June 30 +)
 - › EdgeX Ready

Thank You

Backup/Resources

LF Edge Projects



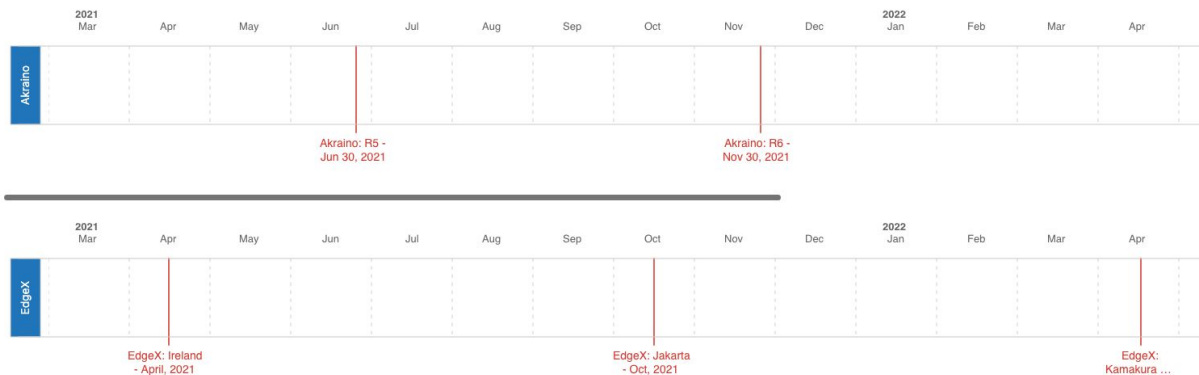
Upcoming Release Calendar

- › Reminder to Projects to please review and update as needed
- › <https://wiki.lfedge.org/display/LE/Upcoming+Release+Calendar>

Release dates are subject to change.

For the latest information on each Project's upcoming releases, or access to prior releases, please visit:

- Akraino - <https://wiki.akraino.org/display/AK/Releases>
- Baetyl - <https://github.com/baetyl/baetyl/releases>
- EdgeX Foundry - <https://wiki.edgexfoundry.org/display/FA/Releases> / <https://wiki.edgexfoundry.org/display/FA/Roadmap>
- EVE - <https://github.com/ff-edge/eve/releases> > waterfall release model
- Fledge - <https://github.com/ff-edge/ff-edge-iot/ffedge/releases>
- Home Edge - <https://wiki.lfedge.org/display/HOME/Roadmap+and+Release+Notes>
- Open Horizon - <https://github.com/open-horizon/anax/releases>
- Secure Device Onboard - <https://github.com/secure-device-onboard/release/releases>
- State of the Edge - <https://github.com/ff-edge/glossary/blob/master/edge-glossary.md>



CII Best Practices Badge

- › Identifies a set of best practices for OSS projects, focusing on security
- › Provides a mechanism for projects to self-certify that they meet these criteria
 - › Automation helps & prevents some false answers
- › Full presentation here:
 - › <https://github.com/coreinfrastructure/best-practices-badge/blob/master/doc/cii-bp-badge-intro.pptx>
- › Website where projects can receive a badge here:
 - › <https://bestpractices.coreinfrastructure.org>
- › EdgeX Foundry, Home Edge and Open Horizon badging already in progress!
 - › <https://bestpractices.coreinfrastructure.org/en/projects/1226>
 - › <https://bestpractices.coreinfrastructure.org/en/projects/4336>
 - › <https://bestpractices.coreinfrastructure.org/en/projects/4300>
- › LF Edge Wiki tracks badge progress here: <https://wiki.lfedge.org/>
- › Proposal: All LF Edge projects be encouraged to get a CII Best Practices badge

TAC - Focus Areas for 2020 (what to emphasize / de-emphasize in 2021?)

Target areas identified for the TAC to direct focus, beyond PLD/Project Review

- 1. Architecture (Tech > LF Edge) - Output: TBD (White paper?)**
2. APIs Document, Align and Publish
3. SDO/Consortiums expansion
- 4. Forcing function - Use Case or Deployment > Demo across all projects**
5. Technical overlap/unification
6. Cross Project Collaboration
7. IT Efficiencies

Out of Scope for the TAC (for now)

1. Vertical Solutions (End User / SIG Program)
 - a. At Board/SPC level

LF Edge TAC - Focus Areas for 2021: Continued Discussion

- › One idea raised was for deeper (technical) solution briefs around Use Cases and Deployments
 - › Would require commitment (volunteers) from the TAC, Projects, as well as the SPC
- › (from prior discussion) White Papers
 - › LF Edge level or Project level?
 - › General (2020 introduced taxonomy/Projects) or Specific? (e.g. Security, Telemetry)
 - › Who would be the audience?
 - › Post publishing, vehicle for feedback? Success metrics?
- › Other initiatives?
 - › Open Edge Services Catalog - creation and cross-project support
 - › Common way to document APIs for all the projects

LF Edge Webinar Series - 2020 Recordings

- › Akraino Edge Stack
 - › Held Thursday, April 2 - [Your Path to Edge Computing with Akraino Edge Stack](#)
 - › On-demand recording available at: https://zoom.us/webinar/register/WN_Zjdo4-5fTOSlqH7pL8iHrO
- › EdgeX Foundry
 - › Held Thursday, April 23 - [EdgeX Foundry 101: Intro, Roadmap and Use Cases](#)
 - › On-demand recording available at: https://zoom.us/webinar/register/4515850788014/WN_xCd6YPjEOrcwLiFhBWPkug
- › Project EVE
 - › Held Friday, May 29 - [Building the “Android of the IoT Edge”](#)
 - › On-demand recording available at: https://zoom.us/webinar/register/6415888722675/WN_35oZl3hrOE69snMailUTPg
- › White Paper
 - › Held Thursday, July 9 - [Demystifying the Edge with the new LF Edge Taxonomy and Framework](#)
 - › On-demand recording available at: https://zoom.us/webinar/register/WN_icv5h6wFTcuw9O0xvMpgLw
- › Fledge
 - › Held Thursday, August 13 - [How Google, OSIssoft, FLIR and Dianomic use Fledge to implement Industrial 4.0](#)
 - › Recording available at: <https://www.youtube.com/watch?v=6lXNv3AIWog>
- › State of the Edge
 - › Held Thursday, September 17 - [State of the Edge: Exploring the Intersection of IoT, AI, 5G and Edge Computing](#)
 - › On-demand recording available at: https://zoom.us/webinar/register/8115959695936/WN_4rt-MmP1RI6Vkn3ULpiAA
- › Home Edge
 - › Held Thursday, October 15 - [Home Edge: How Your Home Devices Get Deployed in An Edge Computing Services Ecosystem](#)
 - › On-demand recording available at: https://zoom.us/webinar/register/WN_uSlgb-R5O4etkDhxoSXISO
- › Open Horizon
 - › Held Thursday, November 19 - [Secure Application Management for Machine Learning & Constrained Devices](#)
 - › On-demand recording available at: https://zoom.us/webinar/register/WN_tYli1lZ1RWq1pml8FuPRPw

- › More to follow...

Linux Foundation edX and Training Courses

- › Business Considerations for Edge Computing:
<https://www.edx.org/course/business-considerations-for-edge-computing>
- › Getting Started with EdgeX Foundry (LFD213):
<https://training.linuxfoundation.org/training/getting-started-with-edgex-foundry-lfd213/>
- › Full list of courses available at <https://training.linuxfoundation.org/>

Pushed to Next Meeting