

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

21 April 2021

 THE **LINUX** FOUNDATION

 **LF** EDGE

Meeting Details

- › April 21, 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. TAC Chair elections - Nominations Open (5 minutes)
2. Project Proposal: Kuiper (30 minutes presentation + 15 minutes Q&A)
3. Existing Project Taxonomy - Clarification (5 minutes)
4. Upcoming Events / Next Meeting

TAC Chair elections - Nominations Open
Brett Preston

TAC Chair elections - Nominations Open

- › 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
- › 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

Project Proposal: Kuiper

Jaylin Yu

Proposal: Kuiper

- › Proposal: <https://wiki.lfedge.org/display/LE/Kuiper>
- › Timeline/Next Steps:
 - › Thursday, April 8, 2020: Proposal emailed to TAC
 - › Wednesday, April 21: TAC Presentation
 - › --2 Week Review Period (ending Wednesday, May 5)
 - › During this review period, a TAC subgroup may be formed to review the project proposal in more detail. Following their review, the TAC subgroup will provide a readout at the next TAC call. While the TAC will strive to complete project reviews within 2 weeks, the subgroup may request up to 2 additional weeks for review if deemed necessary. Following the review period, which will run for a maximum of 4 weeks, the Linux Foundation will notify the TAC that the Project is eligible for a vote. To set the vote in motion, a member of the Technical Advisory Council will need to raise a motion. Following a second, the TAC will vote to recommend either accepting or declining the proposal, and provide feedback where necessary. If no motion is received within 2 weeks, then the project will need to re-apply once a TAC sponsor who agrees to raise a motion is identified. If declined, the proposed project's TAC sponsors will work with the prospective project on next steps, which may include working with the TAC subgroup to refine and re-submit proposal for another TAC vote. If a new, incoming project is declined a second time, the project will need to wait 12 months before re-applying. If approved by the TAC, the Project will move to a vote of the Board (Board's Strategic Planning Committee (SPC) for Stage 1 Projects). If approved by the Board (SPC for Stage 1 Projects), official project on-boarding can begin. ([reference](#))

Existing Project Taxonomy - Clarification

Brett Preston

Existing Project Taxonomy - Clarification

- › <https://wiki.lfedge.org/display/LE/Existing+Project+Taxonomy>
- › Cloud Stack Layers (architecture classification)
 - › Should options be:
 - › (Provide, Require, or N/A; Add context as needed) --OR--
 - › Does Project Currently Include (Yes, No or Planned/Roadmap)
 - › [Template](#) lists "(Provide, Require, or N/A; Add context as needed)", but [tracker](#) includes responses under both selection sets.

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](#) extended (now closes 30 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)
-
- › Discussions around upcoming events occur in the LF Edge Outreach Committee
 - › Members may subscribe at: <https://lists.lfedge.org/g/outreach-committee>

Next Meeting

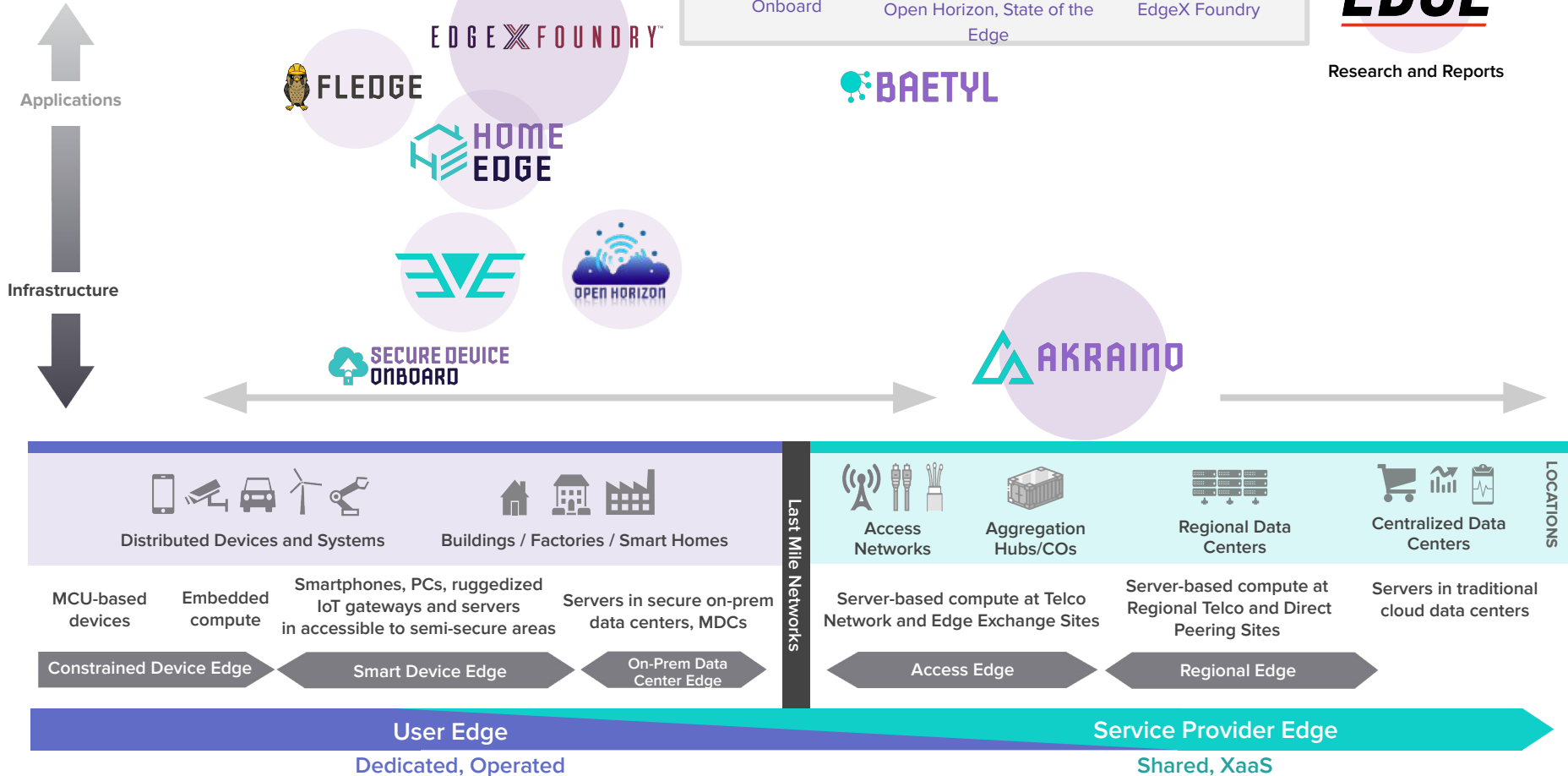
Next Meeting

- › Next Meeting: Wednesday, May 5 @ 7am PT
 - › Topics
 - › Project Proposal - Subgroup Readout: Kuiper (*if ready*)
 - › Open Retail Reference Architecture
 - › Future Topics
 - › API Mapping / MindManager tooling demo
 - › EdgeX Ireland Release (June 30 +)
 - › EdgeX Ready

Thank You

Backup/Resources

LF Edge Projects



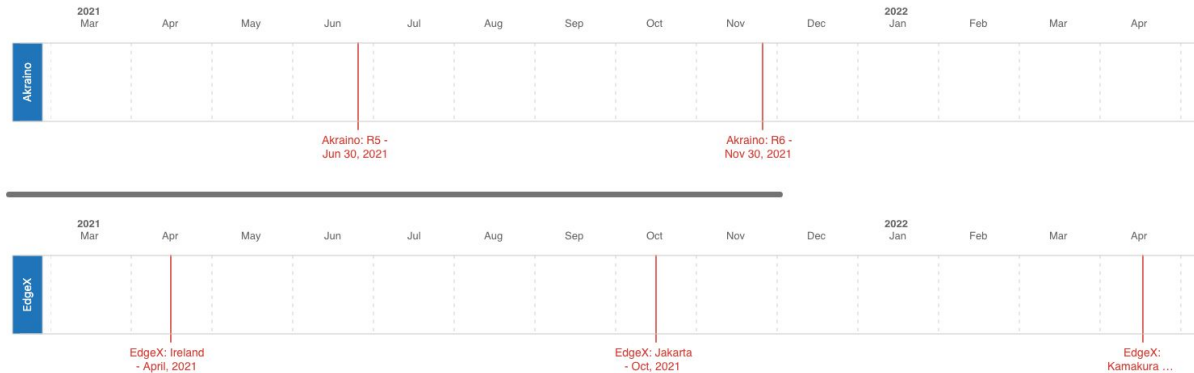
Upcoming Release Calendar

- › 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=6jXNv3AIWog>
- › 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