



LF Edge TAC
Technical Advisory Council

8 April 2020

 THE **LINUX** FOUNDATION

 **LF** EDGE

Meeting Details

- › April 8, 2020 (@ 7:00am PDT)
- › Meeting Info:
 - › Join Zoom Meeting
 - › <https://zoom.us/j/286673048>
 - ›
 - › One tap mobile
 - › +16699006833,,286673048# US (San Jose)
 - › +16465588656,,286673048# US (New York)
 - ›
 - › Dial by your location
 - › +1 669 900 6833 US (San Jose)
 - › +1 646 558 8656 US (New York)
 - › +1 855 880 1246 US Toll-free
 - › +1 877 369 0926 US Toll-free
 - › Meeting ID: 286 673 048
 - › Find your local number: <https://zoom.us/u/aeeh8taqXU>

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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	HPE	Rodney Richter	Arun Thulasi
AT&T	Kandan Kathirvel		Huawei	JianGuo Zeng	Gabriel Yuyang
Baidu	Leding Li		IBM	Joseph Pearson	Ryan Anderson
Charter	Mohammad Zebetian		Intel	Jim St. Leger (TAC Chair)	Emad Attia
Dell	Trevor Conn	Sean McGinnis	Inwinstack	Thor Chin	
Dianomic	Bill Hunt	Tom Arthur	Juniper	Sukhdev Kapur	Randy Bias
Ericsson	Torbjörn Keisu	Andrew Wilkinson	MobiledgeX	Vikram Siwach	
Equinix	Justin Dustzadeh		Netsia	Mahir Gunyel	
Fujitsu	Hatsumi Iino	Toshimichi Fukuda	Nokia	Tapio Tallgren	
GE Research	Joel Markham	James Ward	NTT	Takeshi Kuwahara	

LF Edge TAC

Project/ Member	Representative	Named Alternate	Project/ Member	Representative	Named Alternate
OSIsoft	Daniel Lazaro		Akraino	Kandan Kathirvel	Tina Tsou
Qualcomm	Lisa Lammens		EdgeX Foundry	Jim White	Keith Steele
Radisys	Adnan Saleem	Prakash Siva			
Red Hat	Frank Zdarsky				
Samsung	Myeonggi Jeong	Chi-Hyun Cho			
Seagate	Matt Shumway				
Tencent	Yachen Wang	Wei Chen			
Wind River	Glenn Seiler				
Wipro	Subhas Mondal				
ZEDEDA	Erik Nordmark	Roman Shaposhnik			

Topics

1. State of the Edge: Update and Introduction
2. Process Improvements - Project Autonomy/Communications
3. Project Resources - Getting Started Checklist
4. Upcoming Events
5. Next Meeting

State of the Edge: Update and Intro

State of The Edge Merges with LF Edge

State of the Edge Merges with LF Edge to Provide Unified Edge Computing Thought Leadership

- > *State of the Edge will continue as the industry's first open research program on edge computing*
- > *Under LF Edge, State of the Edge, Open Glossary of Edge Computing and the Landscape will continue to pave the way for industry alignment*

SAN FRANCISCO, CA – April 8, 2020 – [LF Edge](#), an umbrella organization under [the Linux Foundation](#) that aims to establish an open, interoperable framework for edge computing independent of hardware, silicon, cloud, or operating system, today announced that it has acquired [State of the Edge](#), a vendor-neutral platform for open research on edge computing. The State of the Edge will merge with [Open Glossary of Edge Computing](#) and the combined project will assume the State of the Edge name as a Stage 2 project (growth) under LF Edge.

Retrospective

- › Founded in 2017 by a coalition of like-minded companies that believe in vendor-neutral research.
- › Its mission is to bring clarity and simplicity to the critical infrastructure required to support the future of edge computing.



STATE OF THE **EDGE**

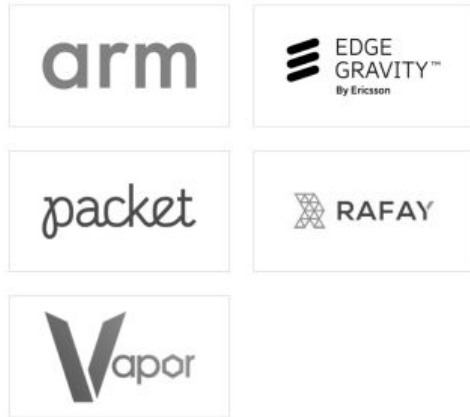
HIGHLIGHTS

- Published three major edge research reports, all offered free of charge under a Creative Commons license (with more to come this year).
- Created the Open Glossary of Edge Computing and Edge Computing Landscape (already a part of LF Edge).
- Catalyzed a broad shared understanding of edge computing.

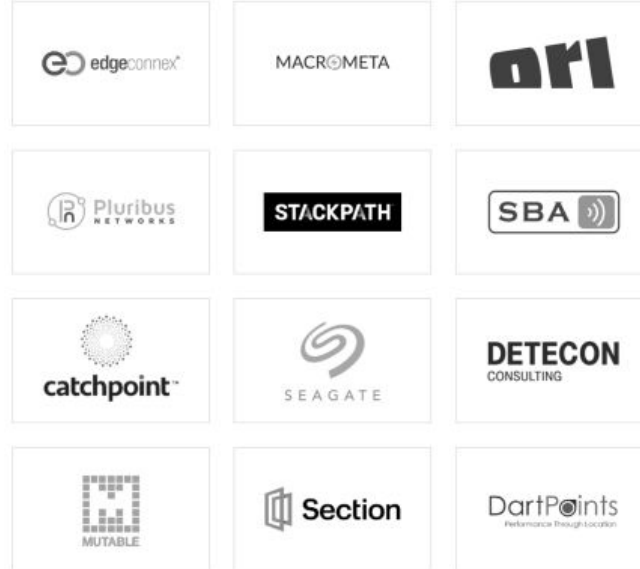
The Companies Behind It

STATE OF THE **EDGE**

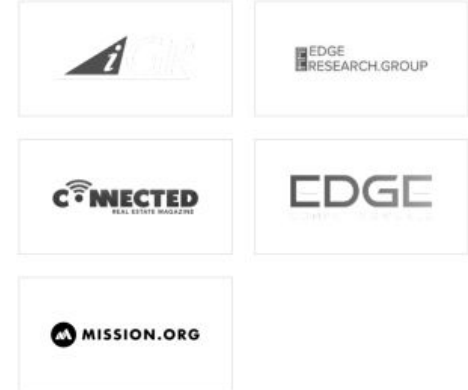
Founding Members



General Members



In Kind Members



What We're Announcing Today

- State of the Edge assets conveyed to LF
- Merged with the Open Glossary of Edge Computing
- Open Glossary project renamed to State of the Edge
- State of the Edge project will have four working groups:
 - Research & pubs
 - Edge Landscape
 - Open Glossary of Edge Computing
 - Edge Taxonomy

STATE OF THE **EDGE**



Additional Details

- All State of the Edge projects will continue to be produced and funded collaboratively, with an explicit goal of producing original research without vendor bias and involving a diverse set of stakeholders.
- The State of the Edge project will manage and produce the following assets under the LF Edge umbrella:
 - [State of the Edge reports](#)
The 2020 report was published in Q4 2019; the 2021 report is scheduled for Q4 2020.
 - [Open Glossary of Edge Computing](#)
 - [LF Edge Interactive Landscape](#)

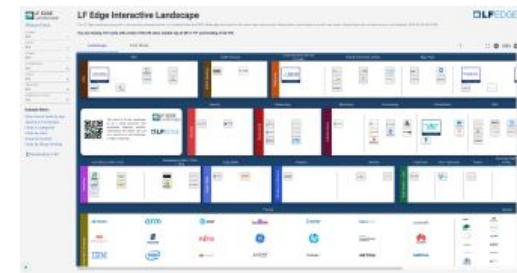
STATE OF THE **EDGE**



Open Glossary of Edge Computing



Research Reports



LF Edge Interactive Landscape

2020 Look Forward

- Continue working to standardize language across all LF Edge projects
- Ship v1.0 of the LF Edge Interactive Landscape
- Research and publish the 2021 State of the Edge Report (Q4 2020)
- Ship v3.0 version of the Open Glossary

Process Improvements: Project Autonomy/Communications

Process Improvements - Project Autonomy/Communications

1. Project Technical Charters empower the TSCs to approve projects, organize sub-projects and remove projects. Project Technical Charters are approved by Project TSCs and can be amended by a two-thirds vote of the entire TSC (subject to approval by LF Projects).
2. Question raised around what constitutes a major change?
 - a. Name Change?
 - b. ...?
3. While change may not be subject to TAC/Board approval, what improvements to communications process could/should be made?
4. Next steps:
 - a. Is there interest in discussing/making process improvements in this area?
 - b. If yes, best forum for discussion?
 - i. Biweekly TAC calls?
 - ii. Set up a Subgroup?

Project Resources: Getting Started Checklist

Project Resources: Getting Started Checklist

1. <https://wiki.lfedge.org/display/LE/Technical+Project+Getting+Started+Checklist>
2. Best Practices Guide for new, and existing, LF Edge Projects to define/refine/enhance their Project Management
3. Will be sent to Project TSC Leads for additional input / examples
4. Welcome feedback in the TAC as well

Upcoming Events

Upcoming External Events

- › [Open Source Summit North America](#): 22-24 June, 2020 - Austin, TX
 - › CFP Closed. Schedule announced April 16.
- › [IIOT World](#): 30 June, 2020 - Virtual
 - › Jim White: "Using Open Source Technology to Manage IoT/Edge Solutions."
- › [Open Source Summit Japan](#): 15-16 September, 2020 - Tokyo, Japan
 - › CFP Open: <https://events.linuxfoundation.org/open-source-summit-japan/program/cfp/>
- › [FutureNet](#): 22-23 September, 2020 - London
 - › Mike Woster: "Achieving a common architecture: the holy grail or fantasy?"
- › [Open Networking & Edge Summit North America](#): 28-29 September, 2020 - Los Angeles, CA
 - › [ONES Unconference Track](#)
- › [Open Source Summit Europe](#): 26-28 October, 2020 - Dublin, Ireland
 - › CFP Open: <https://events.linuxfoundation.org/open-source-summit-europe/program/cfp/>
- › [IoT Solutions World Congress](#): 27-29 October, 2020 - Barcelona, Spain
 - › CFP Open: <https://www.iotsworldcongress.com/get-involved/become-a-speaker/>
 - › Call for Testbeds Open: <https://www.iotsworldcongress.com/activities/testbeds/>
- › [Open Networking & Edge Summit Europe](#): TBD Q4, 2020 - Antwerp, Belgium
 - › CFP Open:
<https://events.linuxfoundation.org/open-networking-edge-summit-europe/program/cfp/>
- › Discussions around upcoming events occur in the LF Edge Outreach Committee
- › Members may subscribe at: <https://lists.lfedge.org/g/outreach-committee>

LF Edge Webinar Series

- › EdgeX Foundry
 - › [EdgeX Foundry 101: Intro, Roadmap and Use Cases](#)
 - › April 23 @ 9am PT
 - › Register for the Webinar at:
https://zoom.us/webinar/register/4515850788014/WN_xCd6YPjEOrCwLiFhBWPKug

- › Akraino Edge Stack
 - › [Your Path to Edge Computing with Akraino Edge Stack](#)
 - › Held Thursday, April 2
 - › On-demand recording available at:
https://zoom.us/webinar/register/WN_Zjdo4-5fTOSlqH7pL8iHrQ

- › More to follow...

Upcoming Project Events

- › EdgeX Foundry Ideation Challenge: 21 March - 15 April
 - › <https://www.lfedge.org/event/edgex-foundry-ideation-challenge/>
 - › Virtual challenge in partnership with Topcoder
 - › Cash prizes

- › EdgeX Hanoi Release Planning Conference: 27 April - 1 May, 2020 - Virtual
 - › <https://events.linuxfoundation.org/edgex-foundry-hanoi-release-planning-conference-spring/>
 - › Detailed Agenda: <https://wiki.edgexfoundry.org/pages/viewpage.action?pageId=37912800>

- › Projects can add their events to this list by sending the Wiki page listing the information to info@lfedge.org

Next Meeting

Next Meeting

- › Next Meeting: Wednesday, April 22 @ 7am PDT
 - › New Project Proposal: [Secure Device Onboarding](#) - May 6

Thank You

Resources

LF Edge TAC - Focus Areas for 2020

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

Glossary Project: Landscape Contributions

- › Purpose: Landscape WG will create graphical industry landscape map (similar to <https://landscape.cncf.io> & <https://landscape.lfdl.io>)
- › Based on the work from the State of the Edge Report 2018 (<https://www.stateoftheedge.com/reports/state-of-the-edge-2018>)
- › Details: <https://landscape.lfedge.org>
- › Weekly Meetings: Tuesdays Noon PDT (would love more participation)

LF Edge Interactive Landscape

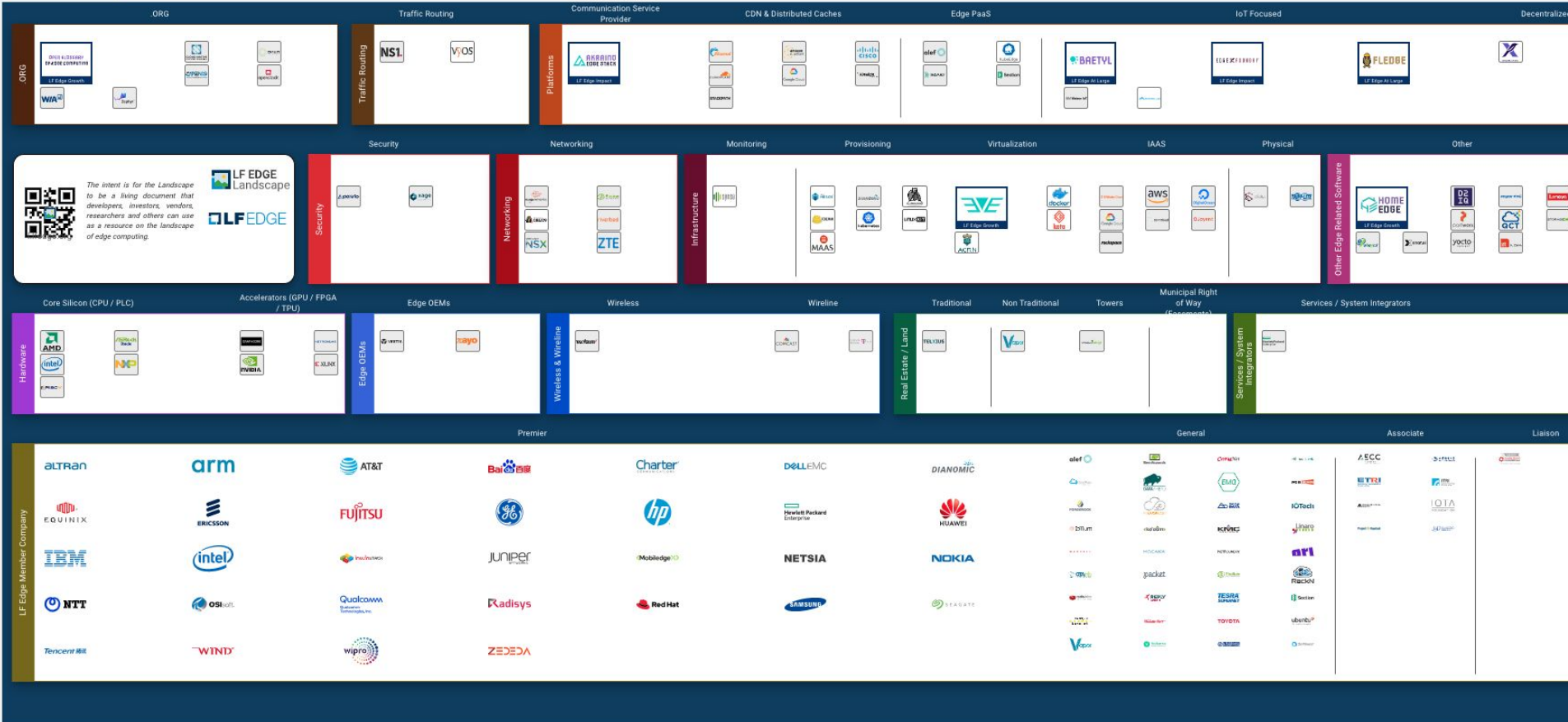
The LF Edge landscape (png, pdf) is dynamically generated below. It is modeled after the CNCF landscape and based on the same open source code. Please open a pull request to correct any issues. Greyed logos are not open source. Last Updated: 2020-04-02 05:37:27Z.

You are viewing 162 cards with a total of 90,116 stars, market cap of \$311.74T and funding of \$4.82B.

Landscape

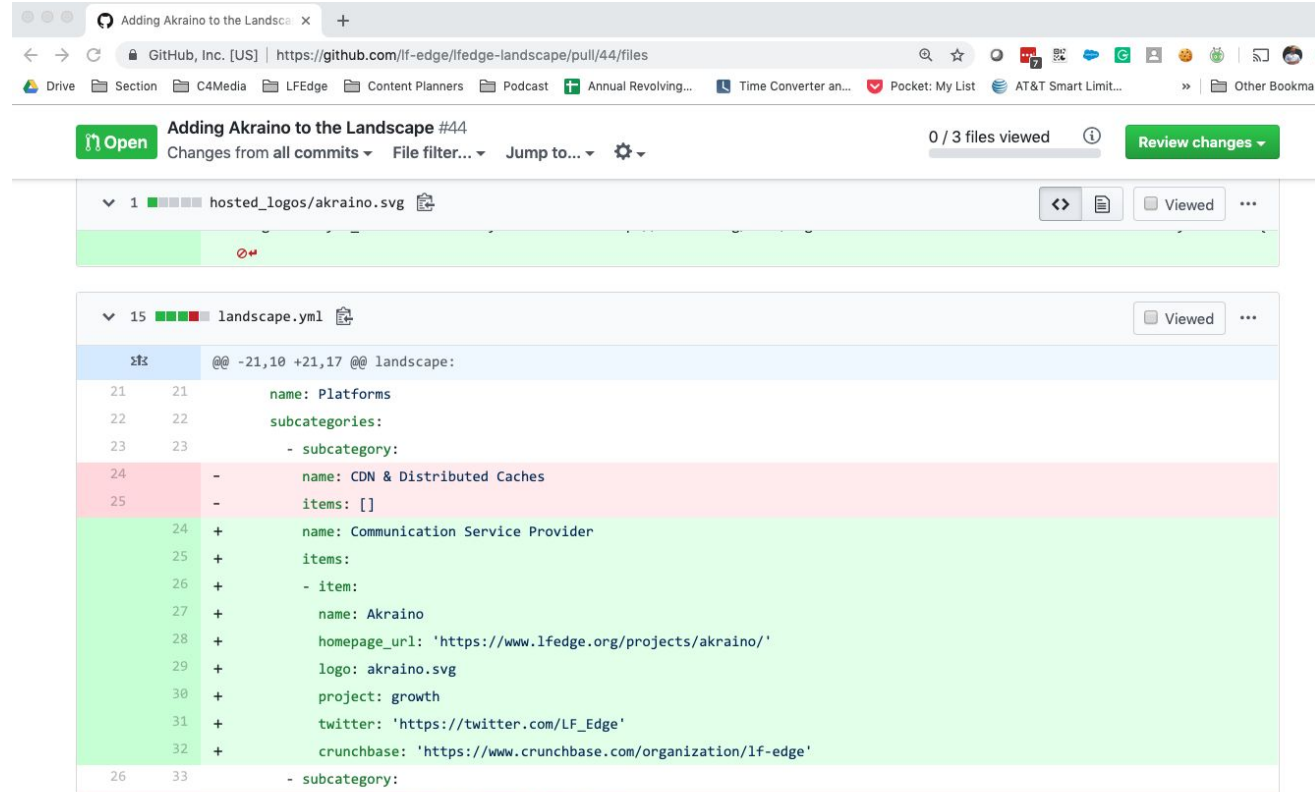
Card Mode

Tweet 0 100% +



Glossary Project: Landscape WG Updates

- › **Submit a PR** with (Category/Subcategory, name, homepage, logo (svg), twitter, crunchbase, stage (if applicable) or open an Issue with the same information.
 - › Fork repo at <https://github.com/State-of-the-Edge/lfedge-landscape>
 - › Update landscape.yml
 - › Submit a PR
- › Open an issue if a category doesn't match or work



The screenshot shows a GitHub pull request titled "Adding Akraino to the Landscape #44". The changes are in the file "landscape.yml". The diff shows the following changes:

```
@@ -21,10 +21,17 @@ landscape:
 21 21     name: Platforms
 22 22     subcategories:
 23 23     - subcategory:
 24 -       name: CDN & Distributed Caches
 25 -       items: []
 24 +       name: Communication Service Provider
 25 +       items:
 26 +       - item:
 27 +         name: Akraino
 28 +         homepage_url: 'https://www.lfedge.org/projects/akraino/'
 29 +         logo: akraino.svg
 30 +         project: growth
 31 +         twitter: 'https://twitter.com/LF_Edge'
 32 +         crunchbase: 'https://www.crunchbase.com/organization/lf-edge'
 26 33     - subcategory:
```

LF Edge TAC Projects / PLD Update - Pipeline

Note: Projects listed below have indicated some level of interest since Project Launch.

- › Coaty (Siemens) (*invited August 21, 2019; targeting Q1*)
- › Flogo (Tibco)
- › Open19 (via Vapor.io)
- › Wormhole (OSS name Flowgate)
- › Rafay (Rafay Systems)
- › Project Sandstar (Anka Labs, Inc.)
- › Synse (Vapor.io)
- › Cisco IoT/Agribusiness OS Project (Cisco)
- › infinimesh (infinimesh)