

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

3 June 2020

 THE **LINUX** FOUNDATION

 **LF** EDGE

Meeting Details

- › June 3, 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)
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 - › Dial by your location
 - › +1 669 900 6833 US (San Jose)
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 - › +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	GE Research	Joel Markham	James Ward
Arm	Reed Hinkel	Tina Tsou	HP Inc.	Henry Lau	
AT&T	Kandan Kathirvel		HPE	Rodney Richter	Arun Thulasi
Baidu	Leding Li		Huawei	JianGuo Zeng	Gabriel Yuyang
Charter	Mohammad Zebetian		IBM	Joseph Pearson	Ryan Anderson
Dell	Trevor Conn	Sean McGinnis	Intel	Jim St. Leger (TAC Chair)	Emad Attia
Dianomic	Bill Hunt	Tom Arthur	Inwinstack	Thor Chin	
Equinix	Justin Dustzadeh		MobiledgeX	Vikram Siwach	
Ericsson	Torbjörn Keisu	Andrew Wilkinson	Netsia	Mahir Gunyel	
Fujitsu	Hatsumi Iino	Toshimichi Fukuda	Nokia	Tapio Tallgren	
Futurewei	Chaker Al-Hakim	Jane Shen	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. Projects Update
2. Fledge: Stage 2 Proposal
3. TAC Architecture Working Group Update
4. Annual Review Process Update
5. Upcoming Events
6. Next Meeting

Projects Update

Projects Update

- › Secure Device Onboard - TAC Vote underway.
 - › Proposal: <https://wiki.lfedge.org/display/LE/Secure+Device+Onboard>
 - › **Voting TAC Members:** Please vote if you have not already

Fledge: Stage 2 Proposal

Bill Hunt, Dianomic

Fledge: Stage 2 Proposal

- › Proposal: <https://wiki.lfedge.org/pages/viewpage.action?pageId=20940189>
- › Timeline/Next Steps ([Process](#)):
 - › Thursday, May 21, 2020: Proposal emailed to TAC
 - › Wednesday, June 3: TAC Presentation
 - › --2 Week Review Period (ending Wednesday, June 17)
 - › 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)
 - › Acceptance criteria for Stage 2: Receive a two-thirds vote of all TAC representatives that do not abstain the vote and a majority vote of the Governing Board to move to Growth Stage.

TAC Architecture Working Group Update

TAC Update - Architecture Working Group

- › TAC Vote to approve white paper release for publishing
 - › Final comments
 - › Vote

Annual Review Process

Annual Review Process

1. The TAC shall develop an Annual Review process to determine whether projects are in the stage that accurately reflects their needs and goals. If a project is determined to be out of place, the TAC shall provide guidance to the project in the form of recommendations towards resolving the situation. ([reference](#))

2. EVE, Home Edge, State of the Edge last reviewed 5/21/19 (when placed at Stage 2) ([reference](#))
 - a. Akraino and EdgeX were reviewed as part of their Stage 3 application(s)

3. **Status Update:** Subgroup formed to draft the Annual Review Process; last met on May 28
 - a. Subgroup agreed to start by defining 3 things:
 - i. **Goal(s).** What do we want as an outcome of the Annual Review process.
 - ii. **Criteria.** Define the criteria that will be used for the Annual Review process.
 - iii. **Process.** Define the process that will be used to apply the criteria against a project under the Annual Review
 - b. Draft of Goal(s) under review in the subgroup:
[\[https://docs.google.com/document/d/1b0cHLMHukysgeHsAB2EjNT-a4HvJ8LLH/edit\]](https://docs.google.com/document/d/1b0cHLMHukysgeHsAB2EjNT-a4HvJ8LLH/edit)
 - c. Email bpreston@linuxfoundation.org to be added to recurring meeting invite (invite will also be posted to the TAC mail list calendar.) All are welcome to participate!

For TAC Discussion/Affirmation:

Goals - What do we want as an outcome of the Annual Review process

Overarching questions for the TAC:

1. Should the Review process merely serve as an annual Project Health Assessment with results being posted for informational consumption?
2. Should Project Stages be impacted as a result of an Annual Review?

Current draft of Goals:

The goal of the LF Edge project lifecycle review process is several fold. Based on an exploration of the project's sponsorship, activity (releases, participation in conferences, seminars, etc.), community (contributors, users, maintainers, technical leadership, governance leadership, company endorsements and support), product (software, documents, specifications, etc.), IP development and general relevance in edge computing, the review process will seek:

- › to understand the project roadmap for the coming year and to provide resource and action recommendations to the LF Edge community and Linux Foundation in support of the project
- › to make recommendations to the project on where specific actions and activities of the project could better benefit the LF Edge community and its mission, and to address project stage level expectations, as well as opportunities around complimentary synergy for different industry use cases that are of interest to LF Edge
- › to set the timeline and LF Edge/TAC actions for projects deemed inactive or in maintenance-only mode to be moved to Emeritus Status
- › Evaluation against the Stage criteria
 - › Meets
 - › Needs Improvement
 - › Missing

Upcoming Events

Upcoming External Events

- › [How to make machine learning at the edge work](#): 11 June, 2020 - Virtual
 - › Jason Shepherd on one of the panels
- › [Hyperledger June Virtual Event](#): 11 June, 2020 - Virtual
 - › IBM presenting an overview for 5G, Edge & Blockchain
- › [Open Source Summit North America](#): 29 June - 2 July, 2020 - Virtual
- › [IIOT World](#): 30 June - 1 July, 2020 - Virtual
 - › Arpit Joshipura: "Uniting the Edge for Tomorrow's Demands."
 - › 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/>
- › [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/>

- › 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

- › 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_Zjdo4-5fTOSIqH7pL8iHrO

- › EdgeX Foundry
 - › [EdgeX Foundry 101: Intro, Roadmap and Use Cases](#)
 - › Held Thursday, April 23
 - › On-demand recording available at: https://zoom.us/webinar/register/4515850788014/WN_xCd6YPjEOrCwLiFhBWPKug

- › Project EVE
 - › [Building the “Android of the IoT Edge”](#)
 - › Held Friday, May 29
 - › On-demand recording available at: https://zoom.us/webinar/register/6415888722675/WN_35oZl3hrQE69snMailUTPg

- › More to follow...

Linux Foundation edX Course

- › Business Considerations for Edge Computing:
<https://www.edx.org/course/business-considerations-for-edge-computing>
- › Additional Course targeted to EdgeX Foundry scheduled for launch in June

Next Meeting

Next Meeting

- › Next Meeting: Wednesday, June 17 @ 7am PDT

Thank You

Resources

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

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 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

```
@@ -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)