

A background graphic featuring a network of blue lines connecting various yellow circular nodes, set against a dark blue gradient background.

# LF Edge TAC Technical Advisory Council

12 August 2020

 THE **LINUX** FOUNDATION

 **LF** EDGE

## Meeting Details

- › August 12, 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
<b>Altran</b>	Shamik Mishra	Nilanjan Samajdar	<b>GE Research</b>	Joel Markham	James Ward
<b>Arm</b>	Reed Hinkel	Tina Tsou	<b>HP Inc.</b>	Henry Lau	
<b>AT&amp;T</b>	Kandan Kathirvel		<b>HPE</b>	Rodney Richter	Arun Thulasi
<b>Baidu</b>	Leding Li		<b>Huawei</b>	JianGuo Zeng	Gabriel Yuyang
<b>Charter</b>	Jeffrey Saelens	Mohammad Zebetian	<b>IBM</b>	Joseph Pearson	Ryan Anderson
<b>Dell</b>	Trevor Conn	Sean McGinnis	<b>Intel</b>	Jim St. Leger (TAC Chair)	Emad Attia
<b>Dianomic</b>	Bill Hunt	Tom Arthur	<b>Inwinstack</b>	Thor Chin	
<b>Equinix</b>	Justin Dustzadeh		<b>MobiledgeX</b>	Vikram Siwach	
<b>Ericsson</b>	Torbjörn Keisu	Andrew Wilkinson	<b>Netsia</b>	Mahir Gunyel	
<b>Fujitsu</b>	Toshimichi Fukuda	Hatsumi Iino	<b>Nokia</b>	Tapio Tallgren	
<b>Futurewei</b>	Chaker Al-Hakim	Jane Shen	<b>NTT</b>	Takeshi Kuwahara	

## LF Edge TAC

Project/Member	Representative	Named Alternate	Project/Member	Representative	Named Alternate
<b>OSIsoft</b>	Daniel Lazaro		<b>Akraino</b>	Kandan Kathirvel	Tina Tsou
<b>Qualcomm</b>	Lisa Lammens		<b>EdgeX Foundry</b>	Henry Lau	
<b>Radisys</b>	Adnan Saleem	Prakash Siva			
<b>Red Hat</b>	Frank Zdarsky	Thomas Nadeau			
<b>Samsung</b>	MyeongGi Jeong	Chi-Hyun Cho			
<b>Seagate</b>	Matt Shumway				
<b>Tencent</b>	Yachen Wang	Wei Chen			
<b>Wipro</b>	Subhas Mondal				
<b>ZEDEDA</b>	Erik Nordmark	Roman Shaposhnik			

## Topics

1. Annual Review Process
2. LF CommunityBridge Insights
3. Upcoming Events
4. Next Meeting

# 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. Status Update: Subgroup formed to draft the Annual Review Process; last met on July 6
  - a. Proposed Annual Review Process available at <https://wiki.lfedge.org/display/LE/Project+Annual+Reviews>
3. **Status update / Next Steps:** TAC approval reached on August 10. Projects will be requested to begin completing their first Annual Reviews. (see schedule on next page)



## Annual Review Schedule

- › [https://wiki.lfedge.org/pages/viewpage.action?pageId=1671298#TechnicalAdvisoryCouncil\(TAC\)-Projects](https://wiki.lfedge.org/pages/viewpage.action?pageId=1671298#TechnicalAdvisoryCouncil(TAC)-Projects)
- › Those already at the review mark, requested to complete within 1 month

### Projects

Project	Accepted	Last Reviewed	Next Review Due	Maturity Level
Akraino	1/24/19	12/3/19	12/3/20	Stage 3 - Impact
Baetyl	8/5/19	8/5/19	9/12/20	Stage 1 - At Large
EdgeX Foundry	1/24/19	6/10/19	9/12/20	Stage 3 - Impact
EVE	1/24/19	5/21/19	9/12/20	Stage 2 - Growth
Fledge	6/27/19	7/19/20	7/19/21	Stage 2 - Growth
Home Edge	1/24/19	5/21/19	9/12/20	Stage 2 - Growth
Open Horizon	4/9/20	4/9/20	4/9/21	Stage 1 - At Large
Secure Device Onboard	6/4/20	6/4/20	6/4/21	Stage 1 - At Large
State of the Edge	1/24/19	5/21/19	9/12/20	Stage 2 - Growth

## Update Annual Review Process on PLD page

- › Update “Annual Review Process” on <https://wiki.lfedge.org/display/LE/Project+Stages%3A+Definitions+and+Expectations>
  - › **Current:** 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.
  - › **Proposed:** The TAC has developed an [annual review process](#) for LF Edge Projects. The goal of the LF Edge Annual Review Process is to provide a Project Health Assessment. Health indicators shall include a quantifiable review against their current Stage expectations and acceptance criteria (meets/needs improvement/missing). For more information, please see Project Annual Reviews at <https://wiki.lfedge.org/display/LE/Project+Annual+Reviews>

# LF CommunityBridge Insights

# Upcoming Events

Full list of LF events available at:  
<https://events.linuxfoundation.org/>

Additional LF Edge events available at:  
<https://www.lfedge.org/events/>

## Upcoming External Events

- › [DevOps World](#): 22-24 September, 2020 - Virtual
    - › Featuring presentations about EdgeX Foundry
  - › [Open Networking & Edge Summit North America](#): 28-30 September, 2020 - Virtual
    - › Demo pavilion and multiple sessions across LF Edge Projects
  - › [Open Source Summit Europe](#): 26-29 October, 2020 - Virtual
  - › [KubeCon/CloudNativeCon North America](#): 17-20 November, 2020 - Virtual
  - › [Open Source Summit Japan](#): 2-4 December, 2020 - Virtual
  - › [IoT Solutions World Congress](#): 11-13 May, 2021 - Barcelona, Spain
- 
- › 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

- › Fledge
  - › Scheduled for **Thursday, August 13 @ 9am PT**
  - › [How Google, OSISOFT, FLIR and Dianomic use Fledge to implement Industrial 4.0](#)
  - › RSVP at [https://zoom.us/webinar/register/8115959695936/WN\\_1jGqjfoT4-lv2y6YDGgYg](https://zoom.us/webinar/register/8115959695936/WN_1jGqjfoT4-lv2y6YDGgYg)
  
- › 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](https://zoom.us/webinar/register/WN_Zjdo4-5fTOSlqH7pL8iHrQ)
- › 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\\_xCd6YPjEQrCwLiFhBWPkug](https://zoom.us/webinar/register/4515850788014/WN_xCd6YPjEQrCwLiFhBWPkug)
- › 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\\_35oZj3hrQE69snMaijUTPg](https://zoom.us/webinar/register/6415888722675/WN_35oZj3hrQE69snMaijUTPg)
- › 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](https://zoom.us/webinar/register/WN_icv5h6wFTcuw9O0xvMpgLw)
  
- › More to follow...

# Upcoming Project Events

- › [EdgeX Challenge Shanghai 2020](#)
  - › Launch Date: July 3rd, 2020 / End Date: October, 2020
  - › Location: Shanghai + Online
  - › Organizer: Linux Foundation APAC and [Science & Technology Commission \(STCSM\) of Shanghai Municipal Government](#)
  - › Sponsors: Intel, VMware, InnoSpace, Dell Technologies, Thundersoft
  - › Supporting Organizations: CCFA (China Chain Store & Franchise Association), Tencent, IOTech
  - › Tracks:
    - › Commercial (Retail, Hospitality, Banking, Education, etc.)
      - › Using EdgeX, based on IOT, AI and data analysis technologies, build innovative applications related to consumer, merchandise, and store.
      - › Use EdgeX to build multi-sensor correlated IoT applications.
      - › Use EdgeX to build applications beneficial to defeat COVID-19.
      - › Combine EdgeX with 5G, blockchain or service robot to build innovative applications
    - › Industrial (Factories, Power, Oil/Gas, Utilities)
      - › For the multi-edge node scenario, build an SDN + containerized IT solution based on EdgeX
      - › In discrete or process (with lower latency requirements) manufacturing, use EdgeX to achieve low latency fault detection and response on the production line
      - › In Discrete Manufacturing, use EdgeX to Detect Product Defects Online
      - › Using EdgeX to collect data, proceed with energy management of electric/gas/coal/oil, to improve energy efficiency. (Such as: building a thermodynamic model, completing heat meter data collection and automatic valve opening control to optimize heating efficiency)
      - › Using EdgeX to realize remote unmanned monitoring of multiple data sources and automatic control of the on-site environment.

## 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/>



Next Meeting

## Next Meeting

- › Next Meeting: Wednesday, August 26 @ 7am PDT
  - › Akraino R3 Introduction

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

## 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)