LF Edge TAC
Technical Advisory Council

7 April 2021
Meeting Details

› April 7, 2021 (@ 7:00am PDT)
› Meeting Info:
  › Meeting URL: https://zoom.us/j/94796108342?pwd=VjlaMTBxcXFQQ3pVcU85NTjvWkxaZz09
  › Calendar Subscription: https://lists.lfedge.org/g/TAC/calendar
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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

› 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@lfedge.org](mailto:membership@lfedge.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)

Discussions around upcoming events occur in the LF Edge Outreach Committee
Members may subscribe at: [https://lists.lfedge.org/g/outreach-committee](https://lists.lfedge.org/g/outreach-committee)

Full list of LF events available at: [https://events.linuxfoundation.org/](https://events.linuxfoundation.org/)
Additional LF Edge events available at: [https://www.lfedge.org/events/](https://www.lfedge.org/events/)
LF Live: Mentorship Series + LFX Webinar Series

› **Kernel Validation With Kselftest**: 14 April, 2021
› **Time for Disrupting the Status Quo: Diversity in Open Source Software**: 27 April, 2021

› Join the LF Live: Mentorship Series mailing list and be alerted when new sessions are added!
  › Sign up available at the bottom of [https://events.linuxfoundation.org/lf-live-mentorship-series/](https://events.linuxfoundation.org/lf-live-mentorship-series/)

› Full list of LF Webinars (upcoming/recorded) available at [https://linuxfoundation.org/webinars/](https://linuxfoundation.org/webinars/)
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
Reminder to Projects to please review and update as needed

https://wiki.lfedge.org/display/LE/Upcoming+Release+Calendar
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:
› 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
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

› Akraín Edge Stack
  › Held Thursday, April 2 - Your Path to Edge Computing with Akraín Edge Stack
  › On-demand recording available at: https://zoom.us/webinar/register/WN_Zjdo4-5fQSIqH7pL8iHrQ

› 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_xCd6YPlEORcWfIFhBWPKug

› 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_35oZj3hrQEF69snMajJUTPg

› 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_i5v5h6wFTcuw900xMpgLw

› Fledge
  › Held Thursday, August 13 - How Google, OSIsoft, 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-MmP1Rl6Vkzn3ULpiAA

› 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-R5Q4etkDhxoSXiSQ

› 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_tYli1IZ1RWq1pml8FuPRPw

› 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/
Upcoming Project Events

› TBA

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