LF Edge TAC
Technical Advisory Council

16 June 2021
Meeting Details

› June 16, 2021 (@ 7:00am PDT)
› Meeting Info:
  › Meeting URL: https://zoom.us/j/94796108342?pwd=VjlaMTBxcXFQ3pVcU85NTjvWkxaZz09
  › Calendar Subscription: https://lists.lfedge.org/g/TAC/calendar
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<td>Jim St. Leger (TAC Chair)</td>
<td>Sharad Mishra</td>
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<td>Charter</td>
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<td>Deepak Vij</td>
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Topics

1. LF Edge Staffing Update: Introducing Kendall
2. Upcoming Events / Next Meeting
LF Edge Staffing Update: Introducing Kendall
Brett Preston
LF Edge Staffing Update: Introducing Kendall

- Introducing Kendall Waters Perez, new Projects Coordinator for LF Edge
  - Comes from Open Infrastructure Foundation (OpenStack Foundation)
- Brett Preston transitioning off of LF Edge by EOM
  - Still at LF, so accessible by LF team
- Program Manager to be added in July
- Aaron Williams also departing (last day was June 18)
- Project Marketing Support
  - Primary POC remains Jill Lovato (to include Project Webinars, Events)
- Board / Board SPC
  - Arpit Joshipura will serve as primary POC for support, while new staff is ramped up
- Memberships
  - Mike Woster will continue to own / drive
Upcoming Events
Upcoming Project Events

› EdgeX **Jakarta Planning Conference**: 21 - 25, June, 2021
  › As part of their Jakarta Release Planning process for Jakarta, EdgeX Foundry is conducting a week-long Conference June 21-25. **All are welcome to attend, but must register first.** Of particular note is the Friday agenda, which includes workshops and an Unconference. Projects and individuals should consider submitting proposals for short talks at the Unconference if they related to EdgeX features, proposed features, or collaboration with EdgeX Foundry.
  › Registration: [https://events.linuxfoundation.org/edgex-foundry-jakarta-release-planning-conference-spring/](https://events.linuxfoundation.org/edgex-foundry-jakarta-release-planning-conference-spring/)

› EdgeX Foundry **Adopter Series** - Canonical EdgeX Snaps: 22 June, 2021
  › Running enterprise-grade Edge applications with EdgeX on Ubuntu Core
  › Registration: [https://zoom.us/webinar/register/WN_2BvbgjYNQZCKhx_U2F23Zg](https://zoom.us/webinar/register/WN_2BvbgjYNQZCKhx_U2F23Zg)

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

› **The Global Open Source Technology Conference (GOTC):** 9-10 July, 2021 - Shenzhen/Shanghai
  › **OSPOCon:** 27-29 September, 2021 - Seattle, WA (and Virtual)
    › **CFP** closed (notifications July 19)
  › **Open Source Summit / Embedded Linux Conference:** 27-30 September, 2021 - Seattle, WA (and Virtual)
    › **CFP** closed (notifications July 19)
  › **IoT Solutions World Congress:** 5-7 October, 2021 - Barcelona, Spain
    › **CFP** closed (notifications in June)
    › **Call for Testbeds** closed (notifications in July)
  › **Open Networking & Edge Summit North America:** 11-12 October, 2021 - Los Angeles, CA + Virtual
    › **CFP** Deadline: **20 June 2021**
    › Interest in having some type of community gathering event? At a point to make a call yet?
  › **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

› **Extra Boot Configuration and Boot-time Tracing**: 13 July, 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, June 30 @ 7am PT

Topics
- **5G Super Blueprint** (Chaker)
- Annual Reviews Due
  - SDO (6/4/2021) > scheduled for July 14
  - Fledge (7/19/21) > scheduled for July 28
  - EdgeX Foundry (8/26/21)

Future Topics
- EdgeX Ireland Release? (June 30 is scheduled Release date)
- EdgeX Ready
- Open Retail Reference Architecture (June+)
- Akraino R5
Thank You
Backup/Resources
LF Edge Projects

Stage 1: At Large Projects
- Baetyl, Secure Device Onboard

Stage 2: Growth Projects
- EVE, Fledge, Home Edge, Open Horizon, State of the Edge

Stage 3: Impact Projects
- AkRaino, EdgeX Foundry

Applications

Infrastructure

Distributed Devices and Systems
- MCU-based devices
- Embedded compute

Buildings / Factories / Smart Homes
- Smartphones, PCs, ruggedized IoT gateways and servers in accessible to semi-secure areas
- Servers in secure on-prem data centers, MDCs

Last Mile Networks
- Access Networks
- Aggregation Hubs/COs
- Regional Data Centers
- Centralized Data Centers

User Edge
- Dedicated, Operated

Service Provider Edge
- Shared, XaaS

 LOCATIONS

Access Edge
Regional Edge
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
- BaaS - https://github.com/baas/baas/releases
- EdgeX Foundry - https://wiki.lfedge.org/display/Edgexfoundry/display/Edgexfoundry/releases |
  https://wiki.lfedge.org/display/Edgexfoundry/roadmap
- EVE - https://github.com/lf-edge/eve/releases > waterfall release model
- Fledge - https://github.com/edge-iot/fledge/releases
- Hyper Edge - https://github.com/edge-iot/hyperedge/releases
- Open Horizon - https://github.com/open-horizon/open-horizon/releases
- Secure Device Onboard - https://github.com/edge-iot/device-onboard/releases

![Upcoming Release Calendar Diagram]
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!
- 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
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