

EDGE X FOUNDRY™

TSC Meeting

June 12, 2019



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Meeting Logistics

Time: June 12, 2019 7am PDT – 8am PDT

Join from PC, Mac, Linux, iOS or Android: <https://zoom.us/j/983155298>

Or iPhone one-tap (US Toll): +14086380968,983155298# or +16465588656,983155298#

Or Telephone:

Dial: +1 408 638 0968 (US Toll) or +1 646 558 8656 (US Toll)

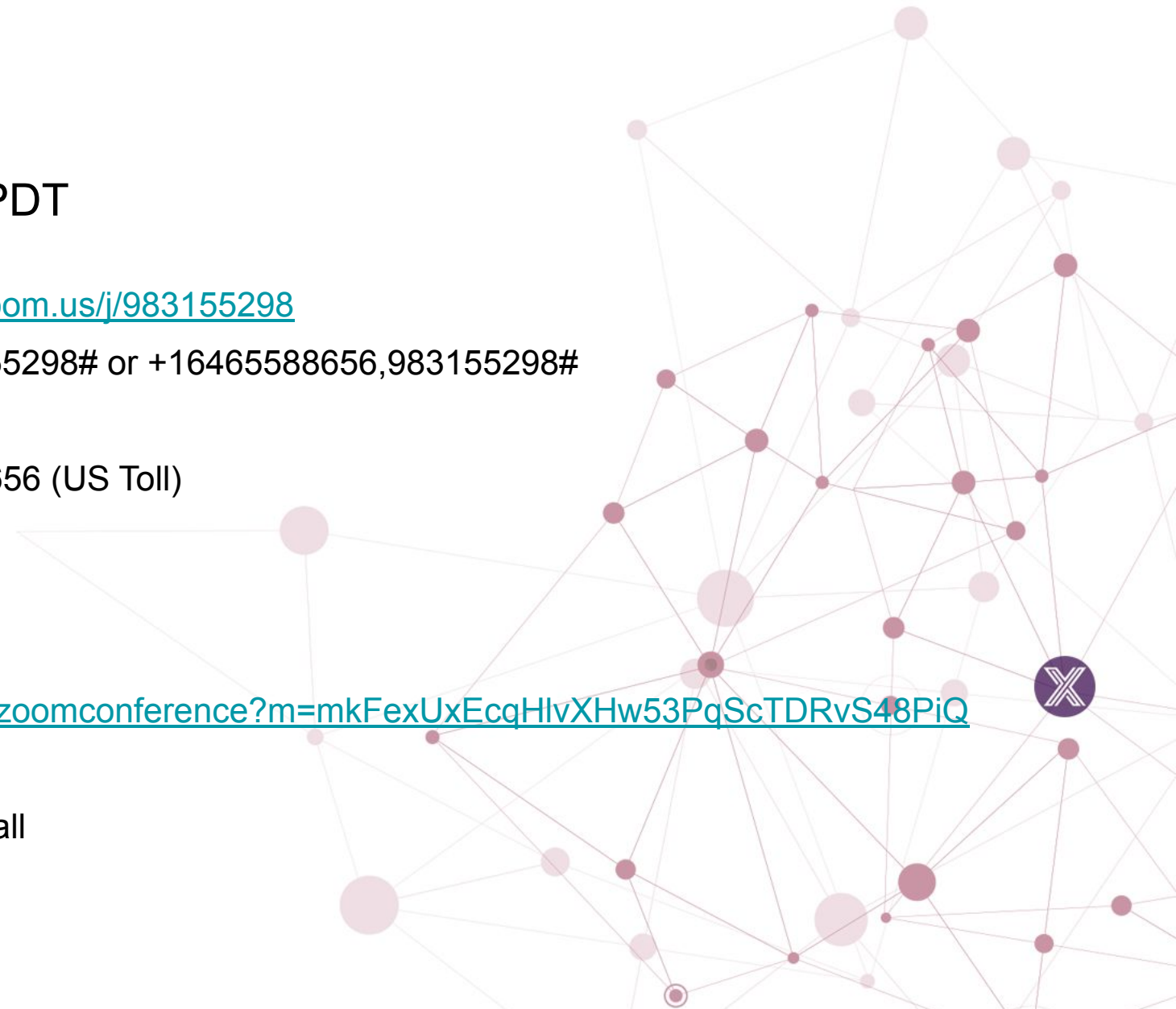
+1 855 880 1246 (US Toll Free)

+1 877 369 0926 (US Toll Free)

Meeting ID: 983 155 298

International numbers available: <https://zoom.us/join?j=983155298>

** TSC calls are recorded and added to Wiki post-call



TSC – Members Present Today

<u>Company</u>	<u>Name</u>	<u>Email</u>
IOTech	Andy Foster	andy@iotechsys.com
Mainflux	Drasko Draskovic	drasko@mainflux.com
Intel	James Gregg	james.r.gregg@intel.com
Mainflux	Janko Isidorovic	janko@mainflux.com
Dell	Jim White (TSC Vice Chair)	james.white2@dell.com
IOTech	Keith Steele (TSC Chair)	keith@iotechsys.com
Samsung	Moonki Hong	moonki1.hong@samsung.com
Dell	Randy Thompson	Randy.T@dell.com
IOTech	Steve Osselton	steve@iotechsys.com
Canonical	Tony Espy	espy@canonical.com
Dell	Trevor Conn	Trevor.Conn@dell.com

Current quorum = 6 members

Note: Quorum for TSC meetings requires at least fifty percent of all voting members of the TSC to be present. The TSC may continue to meet if quorum is not met, but will be prevented from making any decisions at the meeting. Except as provided in Section 7.c. and 8.a, decisions by vote at a meeting require a majority vote of those in attendance, provided quorum is met. Decisions made by electronic vote without a meeting require a majority vote of all voting members of the TSC.

Today's Agenda

- Release Planning
 - Device Service release strategy
- WG Updates
- Application Services Releases and Repos
- UI Project Group
- EdgeX V1 Launch
- TSC Chairs and upcoming Elections
- LF Edge Update
- Upcoming Events
- AOB

Announcement: **EdgeX Foundry is now officially a Stage 3 project** in LF Edge (the first such project) entitling us to funding, marketing and full support of the LF Edge project.



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Release Planning

Release Update

Release status: Trevor/James/Lenny et al

Branching status

Issues, comments, concerns

Status of document updates (Michael Hall)

Release target: June 20

Device Service Release Schedule Clarifications

There have been ongoing discussions and issues around Edinburgh and device services. Here is the current strategy for TSC comment/approval:

- SDKs and Go DS (MQTT, virtual, and Modbus) will be released (v1.0) with Edinburgh on June 20th
 - MQTT, Virtual, Modbus services all in Go
 - Grove DS (in C) will also make the Jun 20th date.
- C based DS will be release (v1.0) August 1st – as is allowed for DS under the current release process document
 - BACnet, OPC UA, and Bluetooth services are all in C and part of this group
 - Repos in holding have been requested.
 - Move these to edgexfoundry regular and work with DevOps CI/CD as we go



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Work Group Updates

Chairs

Working Group Chair Updates

- Around the horn
 - Core/Supporting - Trevor
 - Applications - Janko (Mike Johanson)
 - Device Services - Steve (Iain Anderson)
 - Test/QA - Andy (Robin Chattergee)
 - DevOps - James
 - Security - Jim (Malini Bhandaru/Tingyu Zeng)
 - System Management - Jim
 - Certification - Randy (Rodney Hess)
 - Vertical Solutions - Moonki (Brad Corrin)

Core Working Group (12-Jun-19)

- Fuji items starting
 - Snap/Docker builds now using Go 1.12
 - Working with Device Services team on requirements definition for two initiatives
 - Device auto-provisioning
 - Value descriptor mgmt as applicable to Device Profile changes.
 - Main agenda items for Core WG call 13-Jun-2019
 - POC for refactoring to support increased unit test coverage
 - Ongoing, gave preliminary walk-through of work I've done via invite on Monday
 - Solicited alternate proposal from a member of that group

Applications WG Update (12-June-19)

1. Updates here
2. Later in today's TSC meeting - discussion on Application Functions SDK and Application Services versioning and repositories

Device Services WG Update (12-6-19)

- Jim reviewing updated SDK documentation
- Discussed nanosecond timestamping of samples/events
 - Just applying to origin timestamp
- What to do about MindSphere device service (in holding repo) ?
- DevOPs suggestion on alternate build/tag/branching mechanisms
- Proposals requested for device discovery
 - black/white lists ?
 - provisioning from above/below
 - scheduled vs asynchronous discovery
- Proposal from Trevor for value descriptor removal from SDK
- Further proposal discussion on Core WG on Thursday

Test/QA WG Update (12-06-19)

- Blackbox Test
 - Fixed issue [#240](#), merged PR [#241](#), [#242](#)
- Performance Test
 - Preparing automation script to collect data for performance summary report
 - Investigating Jmeter data loss issue on performance test
 - Fixed issue [#32](#), updated document for developing performance test script. PR [#36](#) is under review
- Edinburgh objectives
 - Better visualization/dashboarding (Allure) of test results - complete
 - Automated capture of resource metrics to monitor performance - complete (one issues to be resolved)
 - Security test automation - complete (ARM security test deferred to Fuji)
- Fuji
 - created Test Plan template for new Device Services tests
 - Started planning for rollout of new Robot test framework
- Next QA/Test meeting June 13th, 4pm PDT

DevOps WG Update (06-12-19)

Edinburgh Release

- JJB Templates updated for repos
 - Open PRs for the two new Jenkins Pipeline jobs - device-snmp-go / edgex-ui-clojure
 - Will continue the discussion in DevOps WG meeting tomorrow
 - Proposal for conversion of device-sdk-go to a Jenkins Pipeline job - Not Approved in device services working group
- Fuji Scope - Container Scanning (Clair Server landing request)
 - Update as of WW23 from LF Infrastructure team indicated the solution has been approved but not resourced yet.
Potential Risk for Fuji if the landing doesn't happen.
 - No response from LF manager

Next DevOps WG meeting - Thursday 7AM PDT

System Management WG Update (6-12-19)

- Open Horizon discussion
 - Meeting next Monday at noon CDT (next meet Jun 17)
 - Joe Pearson will be running this meeting
- Fuji Focus
 - At this week's meeting - discussion on setting configuration
 - Working on Executor for metrics collection
 - Next items
 - Start/stop/restart all done by the executor to include stop/restart of SMA
 - SMA Translation layer (stretch)

Security WG Update (6-12-19)

- Tentatively - not doing dot release but releasing the work with Fuji
- Tentatively - moving two services into edgex-go
 - Client module in go-mod-secrets
- “Dot” release current work (Tingyu)
 - Refactored Secret Store Service and client - working in core data
 - Refactoring API Gateway
- Security Issue Process (Malini)
 - working Wiki/doc presenting issues
 - Collecting issues
 - SIR team formulation
- Fuji work (many parties)

Certification WG Update (6-12-19)

- Reviewed Fuji deliverables with an eye on what can be started today
- Next steps: task breakdowns
- Plan of Record available on the Wiki
 - Self-assessment for Device Services first
 - Available by end of year based on Fuji release

- Meetings on Mondays at 7am PDT (1500 CET)

Vertical Solutions WG Update (6-12-19)

- Rescheduling Andy Laudato, CTO of Vitamin Shoppe, due to scheduling conflict
- In his place we did a “walk the data” conversation from Device Service up to the Application Service
 - Have been hearing good things from new members about the session and the recorded (posted on the Commerce Project wiki)
- Have started conversations with Intel’s Industrial team to map their existing deployment requirements onto EdgeX Foundry, and we’ll have a



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Application Services

Versions, releases and repos

Application Services release and repos strategy

Application Services are at a point of inflection requiring TSC comment and direction. Recommendations:

- Application Functions SDK and Application Services should join Device Services SDKs and DS with separate release version schedules
- Because of its newness, the Fuji release of App Func SDK may end up with non-backward compatible changes. Therefore this SDK should not be 1.0
- Application Services should be placed in separate repositories like device services
- The application of “-go” suffix in repository name could depend on use or plugins or Hashicorp solution. Discussion required.



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UI Project Group

New project group focused on UI

- A project group to...
 - Collect common UI requirements
 - Provide inter-lock/sync with other WG leads when necessary
 - Share issues/designs
 - In timezone friendly to UI developers
- First meeting Jun 18, 10am GMT +8, Asia time
 - **MONDAY (June 17th) - 9pm Central Time**
- Demo...of new GUI Support - Lindsey (IOTech)

UI Features for Edinburgh release

- Admin Login
 - Support login, logout
 - Password change
- Enhance Export Wizard, including
 - Multi-step wizard
 - Auto-input device/reading values
- New Notification menu, including
 - Create/Edit/Delete Notifications/Subscriptions
 - Display Notification/Subscription/Transmission list
 - Transmission by Notification Slug View
- Reading data for Float Number (Base64 encoding)



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EdgeX V1 Launch

Keith Jim and Camilo

EdgeX V1 Launch

- EdgeX Messaging Document
 - Used to drive consistency across collateral
 - https://docs.google.com/document/d/1fB-t9uAX7mA4fOUPmt4V2nZBqw26J5fjVQbi__yOUdE/edit?ts=5cf1a74a#
- EdgeX V1 Leadership Team:
 - EdgeX June launch project manager (KPIs, milestones, etc.) à Camilo Intel
 - EdgeX budget request (June 1 – Nov 30) coordinator à Camilo Intel
 - EdgeX content coordinator (text, creatives, data sheets, white papers, use cases, examples, competitive analysis) Jim White, Andy Foster, Keith Steele
 - EdgeX webmaster Vacant - volunteer needed
 - EdgeX digital market communications manager (mailing lists, emails, webcasts, etc.) LinuX Foundation
 - EdgeX digital advertising coordinator (GoogleAds, LinkedIn, etc.) Linux Foundation
-
- Next Marketing Group Meeting - 21st June

EdgeX V1 Marketing Timeline

Activities in blue: LF Edge SW Release playbook

MARKETING TEAM - MAY

- MAY 10th EdgeX Marketing WG Kicked off
- MAY 15-31st Marketing Sub-team created: Update Marketing Message and Budget
- MAY 31st EdgeX Marketing WG – V1 Release call for volunteers

V1 RELEASE PREPARATION - JUNE

- JUN 3rd - 6th [V1 Release Messaging](#)
- JUN 6th Outreach Committee – EdgeX Budget proposal
- JUN 12-17th [Overview Slides](#)
- JUN 10-25th Digital Campaign Strategy (KPIs, Content, SEO, Influencers, Paid Media and Analytics)
- JUN 18-25th [PR pre-work \(Draft, member quotes\)](#)
- JUN 18-25th Pre-launch KPIs

EDGE X V1 RELEASE JULY 2nd

- JUL 2nd [PR & Digital Campaign Launch](#)
- JUL 2nd - 31st Launch KPIs

POST-LAUNCH KPIs: Aug-Oct

IOTSWC MARKETING PLAN DEFINITION – JULY <https://www.iotsworldcongress.com/>
IOT SOLUTIONS WORLD CONGRESS: 29th – 31st October 2019

EdgeX v1.0 Launch

LAUNCH CAMPAIGN

Marketing Message: Paragraph, tag line, brand/logo, call-to-action

Content Delivery: New presentations, Data sheets, white papers, blogs, creatives, user docs, demo videos, examples, out-of-the box experience, competitive analysis, vendor launch support (e.g. complementary announcements)

Physical Marcom Delivery: IOTWSC (Barcelona/Oct), Industrial IOT World (Atlanta/Oct), etc.

Digital Marcom Delivery: Web site/SEO, Google Ads, direct marketing, LinkedIn, LF Edge leverage, etc













Other Events: e.g. ORI Summit for vertical awareness/education, hackathons/pluginfest for developer awareness/education

EdgeX v1.0 Marketing Content

- Messaging doc – **completed**
 - Used to drive consistency across collateral - Edge X Marketing Sub Team to drive
- Overview slides – draft by June 12, final by June 17 - **volunteer needed to put 3-5 slides together**, LF will incorporate into EdgeX deck
 - To be used in conversations with media, for presentations, webinars, etc.
- Blog posts
 - Headline blog (**by TSC chair - Jim or Keith**) covering v1 release highlights, key messages to the market/community - July 1 (draft needed by June 25)
 - Series of complementary blogs to support release:
 - V1.0 performance statistics by July, V1.0 Security features, V1.0 System Management features
 - Pilots and POCs – series of posts from community highlighting projects/us cases where EdgeX is being used
- Press Release – Tuesday, July 2 (code ready June 25 - one week buffer)
 - Draft needed by June 21 – **Marketing WG will take lead on drafting PR**
 - Sent via newswire, published on LF, LF Edge newsrooms
 - Include supporting quotes from members/users - need quotes by June 25 - Mae will send request
- Social Media promotions – July 2 and ongoing
 - From LF, LF Edge, Project handles
 - “Snackable” graphic image – ready by June 25
 - Encourage members to also promote on their channels/networks – will share sample posts with members on July 2
- Website
 - **Website review scheduled for Friday 14th June to identify and plan updates** – priority updates need to be completed by July 1 (other updates ongoing)
 - V1.0 web landing page by July 1 - with download, documentation links

EdgeX v1.0 Ecosystem Update

- **VENDOR SUPPORT (add new partners), Upgrade vendor references to make easier to use**
- **Michael Hall Upgrading website, needs updated input from vendors with EdgeX offerings**

 Beechwoods Innovative embedded services and product company offering expertise at the forefront of the internet of things	 CloudPlugs engineers and markets the most advanced end to end connectivity and lifecycle automation platform for the Internet of Things using Fog Comp...	 FogHorn is a leading developer of "edge intelligence" software for industrial and commercial IoT application solutions. FogHorn's Lightning soft...	 IOTech's vision is to build and deploy an open, pervasive software-defined compute infrastructure for the Industrial IoT edge; a software foundry th...
 www.iotium.io IoTium is the first secure network infrastructure company for the Industrial Internet of Things (IIoT). Headquartered in Silicon Valley and backed by ...	 KMC Controls is an American manufacturer of open, secure, and scalable Internet of Things (IIoT) and building automation solutions. From secure hardwar...	 Linaro leads collaboration on open source development in the ARM ecosystem. The company has over 250 engineers working on consolidating and optimizing...	 Mainflux is a technology company which provides open-source and patent-free Internet of Things platform and unique hardware and software expertise nec...
 Mocana provides mission-critical IIoT security solutions for embedded systems, industrial control system (ICS) devices and the Internet of Things (IIoT)...	 NetFoundry's software and APIs enables IIoT administrators, developers and integrators to easily deploy IIoT networks on-demand, integrated in solutio...	 Redis Labs, home of Redis, the world's most popular in-memory database, and provider of Redis Enterprise, delivers superior performance, reliability...	 We're enabling apps to run anywhere! Founded in 2016, ZEDEDA is pioneering a cloud-native approach to deployment, management & security of h...

EdgeX IOT Solutions Congress

Silver Sponsor

- IOT World Solutions Congress
Barcelona 29th-31st October 2019
- Pending final Budget Approval
- Sponsor Opportunities to be present on the stand
- Seeking 4-5 Partners who can have a presence on the stand
- 2 sponsors already secured
- Minimum requirement will be to demonstrate an LF Edge based project e.g EdgeX Demonstrator
- **Silver Sponsor Package**
- Congress
 - 1 parallel session speaker at the congress
 - 50 Congress Passes
 - 50% Congress discount for inviting customers
- Exhibition
 - 50 Exhibition area – only passes
 - 60 - 70m2 Surface space – Stand not included
- Networking
 - 2 Passes to the VIP Lounge networking area
 - 2nd level CTA in Sponsors Page for networking request
 - 2 Lead Retrieval devices
- Activities
 - Possibility of organizing an activity or a side event at IOTSWC19 (cocktail party, welcome reception, workshop, annual meeting, hackathon or similar)
 - 15% Discount on meeting room rental
- Customized Booth



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TSC Annual Elections

Congratulations to our new TSC Chairpersons and At-large Representatives

- 3 At large
 - Keith Steele
 - Tony Espy
 - Joe Pearson
- Core/Supporting - Trevor Conn
- Applications - Mike Johanson
- Device Services - Iain Anderson
- Test/QA - Robin Chattergee
- DevOps - James Gregg
- Security - Tingyu Zeng & Malini Bhandaru
- System Management - Jim White
- Certification - Rodney Hess
- Vertical Solutions - Brad Corrion

General Schedule

Done - Monday, June 3: Establish list of Contributors, WG Chair Nominations

Done – Friday, June 7: TSC At-large nominations

Week of June 3 – June 7: WG Chairs elected by their perspective WGs

There was only one nominee per chair. No elections necessary

Week of June 17 – June 21: TSC Chair & Vice Chairman Nominations (by newly elected WG Chairs and TSC At Large members)

Monday, June 24: End of current TSC term

Tuesday, June 25: 1st day of new TSC

Week of June 24 – June 28: TSC Chair Voting



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LF Edge Update

LF Edge News and Updates

- EdgeX Foundry was approved by the TAC to move to Stage 3 in the LF Edge Product Lifecycle Definition.
 - Stage 1: At Large Projects - projects showing promise; get minimal LF Edge resources; provide a neutral home or “sandbox” for the project
 - Stage 2: Growth Stage Projects - projects that are incubating; have shown a plan to get to Impact stage; get TAC mentorship; demonstrate community and progress to integration
 - Stage 3: Impact Stage Projects - self-sustaining projects; widely used in products; receive financial and marketing support
 - Stage 4 - Emeritus projects - archived projects
- EdgeX is the first project to Stage 3 if approved by the LF Edge governing board
- Akraino and Eve are at Stage 2
- Home Edge is at Stage 1
- Some new projects are applying for entry at Stage 1: Foglamp, OpenEdge, ...



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Upcoming Events

Upcoming External Events

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

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

- › [Open Source Community Event](#): 11-12 June, 2019 - Shanghai, China
 - › Hosted by Intel
 - › Projects to include ACRN, AliOS, Android/IoT, Celadon, Clear/IoT, ROS, Zephyr, StarlingX
- › [EdgeX Meetup](#): 19 June, 2019 - Austin, Texas
 - › Brandon Forster from Dell will give an EdgeX overview and answer questions
- › [IoT Tech Expo Europe 2019](#): 19-20 June, 2019 - Amsterdam
 - › Janko Isidorovic from Mainflux will give a presentation on EdgeX Foundry & participate in an IoT panel.
 - › EdgeX is the media sponsor for the event and is providing a 20% off discount code, "EDGEX20".
- › [Open Source Summit China 2019](#): 24-26 June, 2019 - Shanghai
 - › June 25: Arpit Joshipura - LF: Keynote on Edge Computing
 - › June 25: Yachen Wang - Tencent: LF Edge: Open Source to Enable 5G, IOT and AI Development
 - › June 25: Drasko/Janko - Mainflux: Integration of Edge & Cloud IoT Platforms
 - › June 25: Xuan Jia - China Mobile: 5 Biggest Issues in Edge Computing
 - › June 25: LF Edge Panel: Edge Computing in the IoT
 - › June 26: Tina Tsou - Arm: Your Path to Edge Computing
- › [IoT Meetup - Shanghai](#): 25 June, 2019 - Shanghai, China
 - › Hosted by VMware
 - › Speakers from LF, VMware, Arm, Baidu, Tencent, Huawei

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 continued

- › [Open Source Summit Japan](#): 17-19 July, 2019 - Tokyo, Japan
 - › July 17: BoF - Getting the Edge in Edge Computing
 - › July 19: Tiejun Chen, VMware - Build Edge Computing with EdgeX Foundry over Kubernetes
 - › July 19: Hyde Sugiyama, Red Hat - Kubernetes Native Infrastructure and CoreOS Operator Framework for 5G Edge Cloud Computing
- › [Embedded Linux Conference \(ELC\)](#): 21-23 August, 2019 - San Diego
 - › August 20: [LF Edge Mini-Summit](#) - Half-day, single-track event on the topic of IoT and Edge Computing
 - › August 21: Tingyu Zeng, Dell: An Agile Approach to Threat Modeling for Securing Open Source Project EdgeX Foundry
 - › August 22: Malini Bhandaru, VMware & Trevor Conn, Dell - IoT Action at the Edge - EdgeX Foundry 1.0 Released!
 - › August 23: Alexandre Courouble, VMware - Easy as a pi: EdgeX on Raspberry Pi for Automotive IoT

- › Discussions around upcoming events occur in the LF Edge Outreach Committee
- › Members may subscribe at: <https://lists.lfedge.org/g/outreach-committee>

Upcoming CFP Due Dates

- › [Open Networking Summit Europe](#): Sept. 23 - 25, 2019, Antwerp
 - › CFP Due: June 16
 - › <https://events.linuxfoundation.org/events/open-networking-summit-europe-2019/program/cfp/>
- › [Open Source Summit Europe](#): Oct. 28 - 30, 2019, Lyon
 - › CFP Due: July 1
 - › <https://events.linuxfoundation.org/events/open-source-summit-europe-2019/program/cfp/>
- › [Embedded Linux Conference](#) (Co-located w/ OSS Europe): Oct. 28 - 30, 2019, Lyon
 - › CFP Due: July 1
 - › <https://events.linuxfoundation.org/events/embedded-linux-conference-europe-2019/program/cfp/>

EdgeX TSC F2F Meeting(s)

4 November - 8 November, 2019 -- Location Phoenix, Arizona (USA) -- [Wiki page](#)

- Latest agenda available on the [Wiki](#)

Venue

- Galvanize – 515 E. Grant Street, Phoenix, AZ 85004

Coming Soon (before EoM June):

- **RSVP:** Links to register will be available on [Wiki](#). Will include registration for each section.
- **Hotel/Travel:** Recommended hotels



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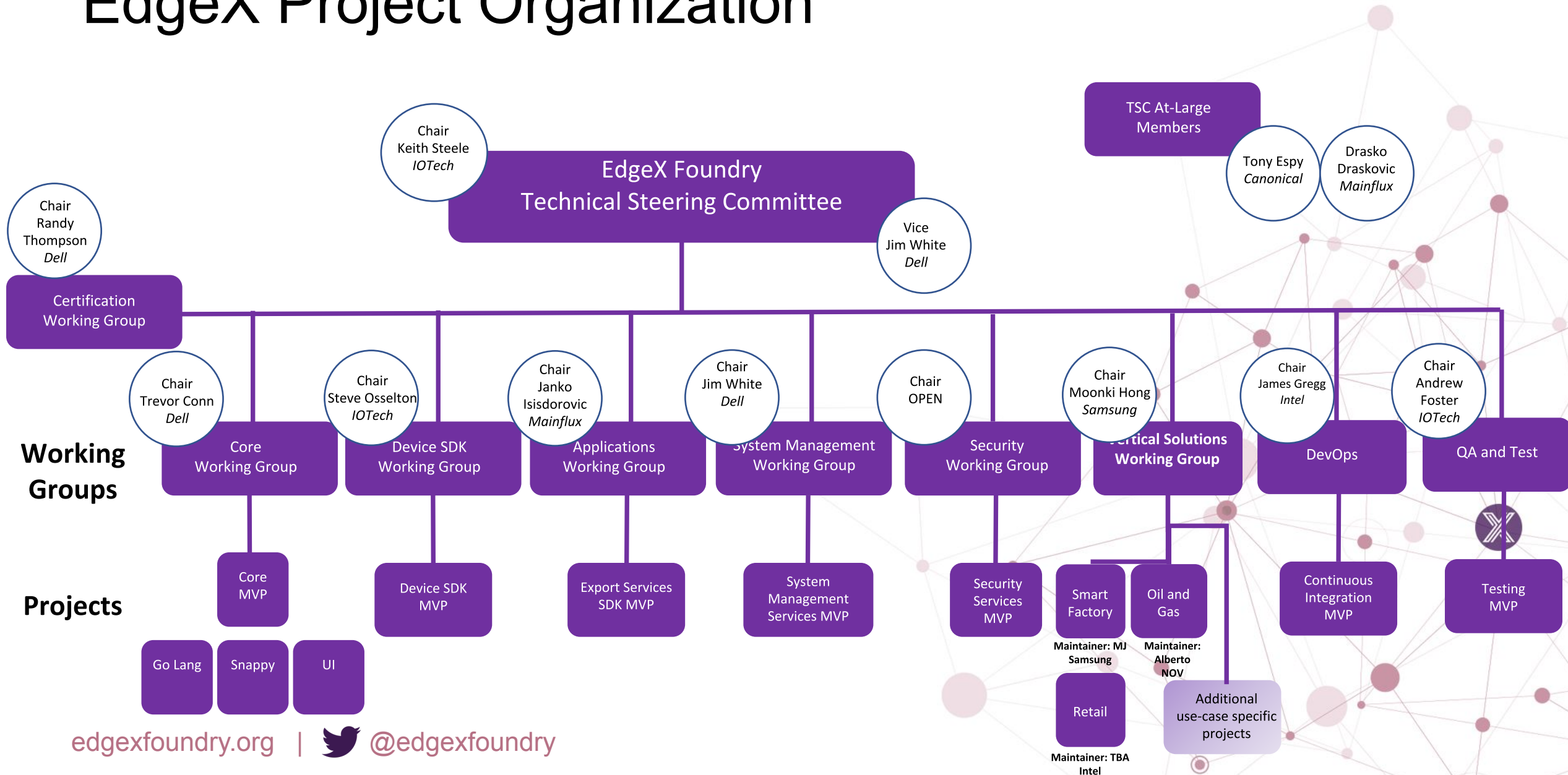
AOB / Reminders

AOB/Cadence

- Meeting Cadence Reminder
 - Currently held weekly at 7am PDT on Wednesday's
 - Calls without TSC quorum will still be used to review issues

- **Next Meeting: June 13, 2019**

EdgeX Project Organization



Marketing

- **CTA:** If your company will be presenting EdgeX at an upcoming event/webinar/other, please email pr@lfedge.org so that we can help promote

EdgeX in Market

- Page showcases momentum in the project, including solutions already available
- <https://www.edgexfoundry.org/edgex-in-market/>
- Email info@edgexfoundry.org if you have any additions

Project Contributions Welcome!

- Our objective is to make EdgeX use & deployment pervasive!
- EdgeX success is 100% dependent on the vibrancy of a proactive community
- Getting Involved
 - Project membership growing - want to join contact Mike Woster at LF (mwoster@linuxfoundation.org)
 - First Priority is the MVP - potential contributors please contact keith@iotechsys.com (people, equipment, technology)
 - If interested in adding new projects please contact the relevant working group chair

Project Resources

Quick links to most commonly used Community Resources

- Code: <https://github.com/edgexfoundry>
- Documentation: <https://wiki.edgexfoundry.org/>
- Discussion: <https://slack.edgexfoundry.org/>
- Mail Lists: <https://lists.edgexfoundry.org/mailman/listinfo>
- Twitter: <https://twitter.com/EdgeXFoundry>
- LinkedIn: <https://www.linkedin.com/company/22298339/>
- YouTube: <https://www.youtube.com/c/EdgeXFoundry>

EdgeX - Where to learn more

- EdgeX Foundry Wiki

<https://wiki.edgexfoundry.org/display/FA/EdgeX+Foundry+Project+Wiki>

- EdgeX Foundry Slack

<https://slack.edgexfoundry.org/>

- [Weekly EXF Technical Spin up calls](#)

30 minute deep-dive topics followed by 30 minute open Q&A

Call recordings are available on the [Wiki](#)

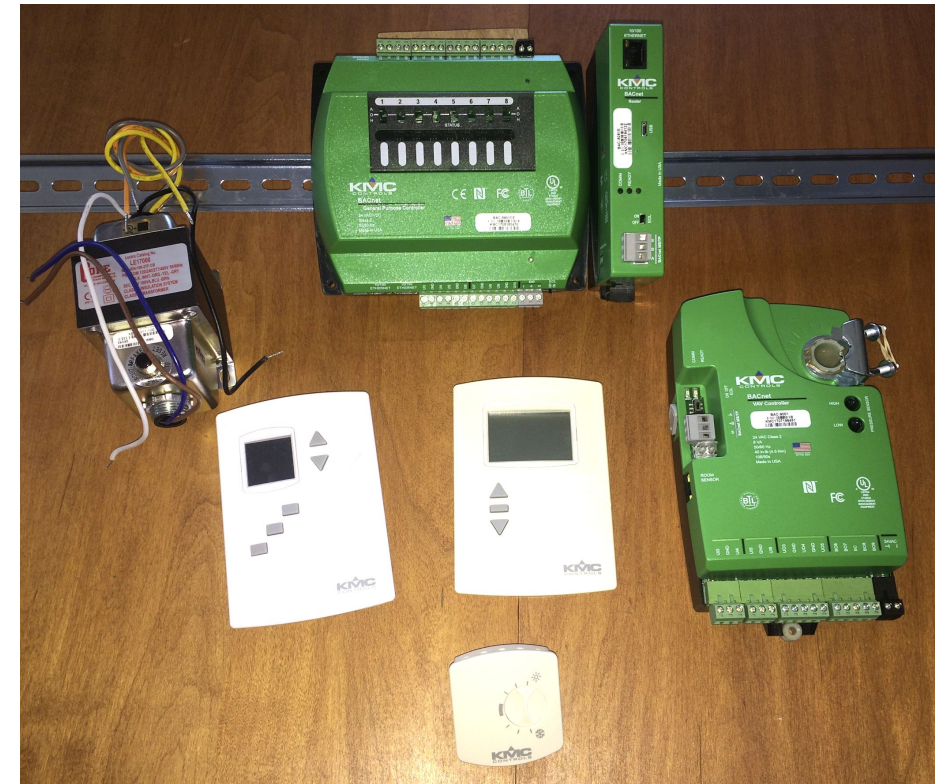
What is the Device Exchange?

- A great way to put your products in the hands of other members so they can help build a better EdgeX!

- <https://wiki.edgexfoundry.org/display/FA/Device+Exchange>



Special thanks to [Dave Bohlman](#) and [KMC Controls](#) for making this awesome kit and how-to guide available to members!!



Meetups

- Help us grow awareness!
- Present, and Tag, EdgeX in your local IoT Meetups
- <https://www.meetup.com/topics/edgex/>
- Email info@edgexfoundry.org for assistance



EdgeX ▾

Find out what's happening in EdgeX Meetup groups around the world and start meeting up with the ones near you.

Related topics:



Meetups: Reimbursement Program

- <https://wiki.edgexfoundry.org/pages/viewpage.action?pageId=7602724>
- Wiki page built for the community to leverage
- Encourage community to begin introducing EdgeX in your local Meetup groups
- EdgeX Foundry will fund/sponsor the talk in which EdgeX is scheduled to be presented
 - Up to \$250 for F&B, once per Meetup group, per quarter
- Let us help drive traffic to your event! Email pr@lfedge.org once Meetup has been scheduled
- Post-event, please consider doing a blog about the event

Hackathons: How can you help?

- <https://wiki.edgexfoundry.org/display/FA/Hackathons>
- Provide any local volunteers onsite to help with technical work, potentially help judge, etc. (see list below of known hackathons coming up and locations)
- Sponsor breakfast/lunch/dinner for the participants (usually things like donuts/coffee, pizza lunch or cater sandwiches)
- Sponsor \$ rewards (incentives) for teams that successfully implement projects (these could even be projects that particular sponsors want to see accomplished - we just need them scoped appropriately so as to be something that can be accomplished in a 2 day period)
- Help provide or resource hackathon winner prizes
- Sponsor or provide any swag (t-shirts, mugs, etc.)
- Provide marketing assistance



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Thank You