EDGEXFOUNDRY™

TSC Meeting

December 5, 2018

LF Antitrust Policy Notice

EdgeX Foundry meetings involve participation by industry competitors, and it is the intention of the Linux Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.

Examples of types of actions that are prohibited at EdgeX Foundry meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at http://www.linuxfoundation.org/antitrust-policy. If you have questions about these matters, please contact your company counsel, or if you are a member of the Linux Foundation, feel free to contact Andrew Updegrove of the firm of Gesmer Updegrove LLP, which provides legal counsel to the Linux Foundation.

Meeting Logistics

Time: December 5, 2018 7am PST – 8am PST

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/zoomconference?m=mkFexUxEcqHlvXHw53PqScTDRvS48PiQ

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

TSC – Members Present Today

Company	Name	Email
IOTech	**Andy Foster**	andy@iotechsys.com
ForgeRock	**David Ferriera**	david.ferriera@forgerock.com
Analog Devices	Doug Gardner	doug.gardner@analog.com
Mainflux	**Drasko Draskovic**	drasko@mainflux.com
Mainflux	**Janko Isidorovic**	janko@mainflux.com
The Linux Foundation	**Jeremy Phelps**	jphelps@linuxfoundation.org
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
IOTech	**Steve Osselton**	steve@iotechsys.com
Canonical	**Tony Espy**	espy@canonical.com
Dell	**Trevor Conn**	Trevor.Conn@dell.com

Current quorum = 8 members

*Note: TSC meetings shall require a **quorum of two-thirds of the TSC total members to take a vote or make a decision.** If a TSC meeting fails to meet the quorum requirement, discussions may proceed, however there shall be no voting or decisions. Decisions by vote at a meeting require a majority vote, provided quorum is met.*

Today's Agenda

- Delhi Dot Release
- WG Updates
- EdgeX Long/Short Term Support
- Reminder: Join us on Slack
- Next TSC F2F
- Upcoming Events
- AOB

Delhi Dot Release

Jim

Delhi Dot Release (0.7.1)

- Rolling Dec 10th
  - Pushed from 6th due to last minute code, CI work, press release
  - FREEZE in effect for Dec 6th
- Feature: Core, Metadata, Logging, Export Client Redis-based services
  - Work towards making EdgeX more database independent
  - Work towards making EdgeX more 32bit available
- Also include some new device services (from the new SDKs)
  - device-random
  - device-mqtt
  - device-modbus
- Work will include some bug fixes not captured in Delhi

Work Group Updates

Chairs

Working Group Chair Updates

- Around the horn
    - Core/Supporting - Trevor
    - Applications - Janko
    - Device Services - Steve
    - Test/QA - Andy
    - DevOps - Jeremy
    - Security - David
    - System Management - Jim
    - Vertical Solutions - Moonki
- Developer Outreach - Michael
- Others & Misc

Core Working Group (5-Dec-18)

- ## On track for Delhi 0.7.1 release
  - Highlight is inclusion of Redis, as discussed
    - Includes documentation on how to run it with EdgeX (PR #872)
  - A few small bug fixes
    - Invalid path in scheduler docker configuration (PR #886)
    - Incorrect handling of scheduler event GETs via Redis (PR #865)

- ## Mongo data model decoupling (Edinburgh)
  - Core-data complete
  - Core-metadata issues have been created
    - Help wanted
    - Unfortunately GitHub doesn't provide an easy indicator of sequence, so see the issue descriptions.

- ## GoKit Logging (PR #787) merged
  - Key value log format
  - Drop-in implementation
  - Will be adding fields to write service name, correlation IDs, etc

Applications WG Update (05-Dec-18)

- Application Working Group Meeting Action Points:
  - Intel will help with creating Developer documents for first two new Application Services
    - GetDataFromCore Microservice
    - MQTTExporter Microservice
  - Applications Services Repo has been created in holding area - DONE
  - FaaS for Application Services
    - Nuclio
      - hard to Deploy on the Edge
      - Good performance
      - Function Chaining to be tested
    - OpenFaaS to be tested next
      - Performance expected to be lower than Nuclio
  - Intel Team will try to provide example of Plugin Architecture for Message Buss.
  - Initial Implementation Examples:
    - Redis Streams
    - Intel DPS

EdgeX TSC F2F Meetings

Brett Preston

EdgeX TSC F2F Meeting(s)

- **22 - 25 April, 2019** -- Location Seoul, South Korea -- [Wiki page](#)
  - Technical Business Discussions + EdgeX 101 on Monday, April 22
  - Architect's Day / WG Breakout Sessions + Social Event on Tuesday, April 23
  - Technical F2F - Day 1 + Dinner Reception on Wednesday, April 24
  - Technical F2F - Day 2 on Thursday, April 25
- **RSVP at https://goo.gl/forms/oMptkNU90RRxhK5g1**
  - RSVP by EOD April 5
  - Current registration count: 2 in-person; 0 dial-in
- Hotel/Travel: Information coming soon

- **October, 2019** -- Location Chandler, Arizona (USA) @ hosted by Intel

EDGEXFOUNDRY™

Upcoming Events

Upcoming Events

- International Congress on Management and Technologies, December 8-13, Brazil
  - Dalton C G. Valadares (Federal University of Campina Grande) - Edgex Foundry: plataforma baseada em serviços para aplicações IoT

- China

- Emerging Computing Technology Conference, January 29-30, 2019, Houston
  - Akram Ahmad (Dell) - January 29 at 4:15 pm

- IoT Evolution Expo, January 29 - February 1, Fort Lauderdale
  - Jim White (Dell) - TBD - Edge Computing: Remotely acting on mission-critical decisions in the field

Upcoming CFPs

CFP Upcoming Deadlines:

- Open Source Leadership Summit , March 12-14, 2019, Half Moon Bay, CA
  - CFP Status: Closes January 28, 2019
  - https://events.linuxfoundation.org/events/open-source-leadership-summit-2019/program/cfp/

- Open Source Summit China, June 24-25, 2019 | Shanghai, China
  - CFP Status: Opens December 1, 2018 – March 10, 2019

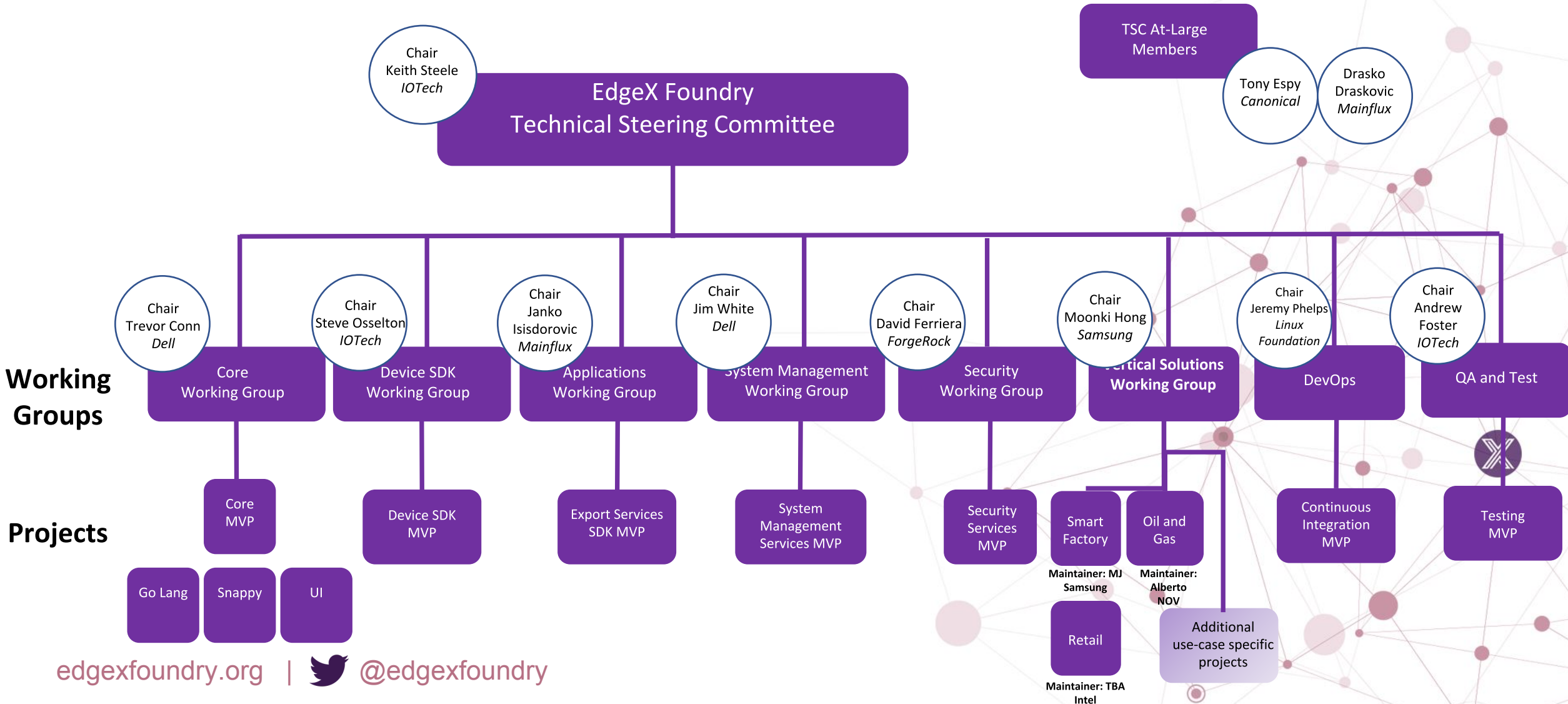- Members interested in joining the EdgeX Speakers Bureau, please email pr@edgexfoundry.org

AOB / Reminders

AOB/Cadence

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

- **Next Meeting: December 12, 2018**

EdgeX Project Organization

Marketing

- **CTA:** If your company will be presenting EdgeX at an upcoming event/webinar/other, please email pr@edgexfoundry.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 Brett Preston at LF (bpreston@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://chat.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 Rocket Chat

  https://chat.edgexfoundry.org/home

- Weekly EXF Technical Spin up calls

  30 minute deep-dive topics followed by 30 minute open Q&A
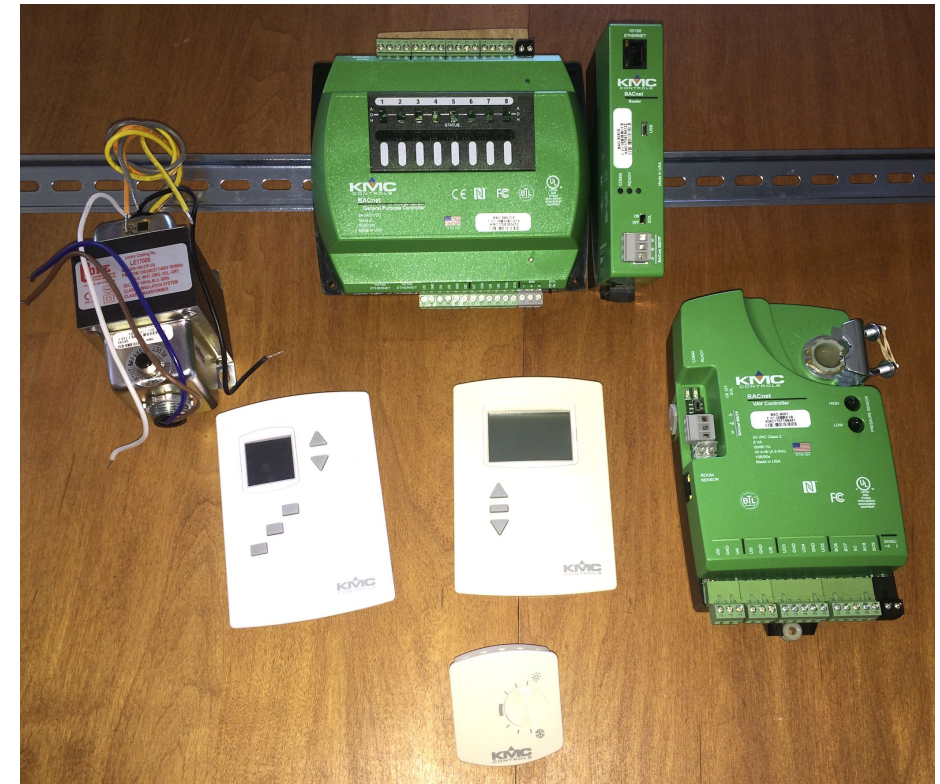
  Call recordings are available on the Wiki

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!

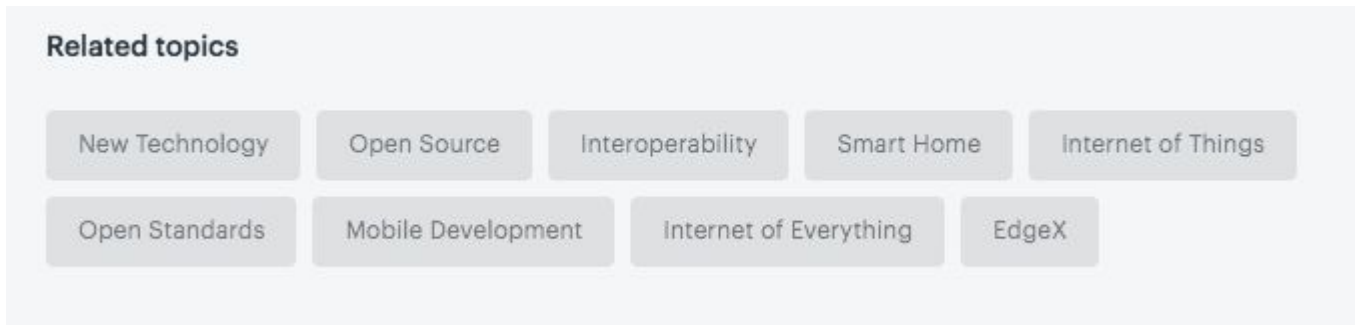 - https://wiki.edgexfoundry.org/display/FA/Device+Exchange

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

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@edgexfoundry.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

Thank You