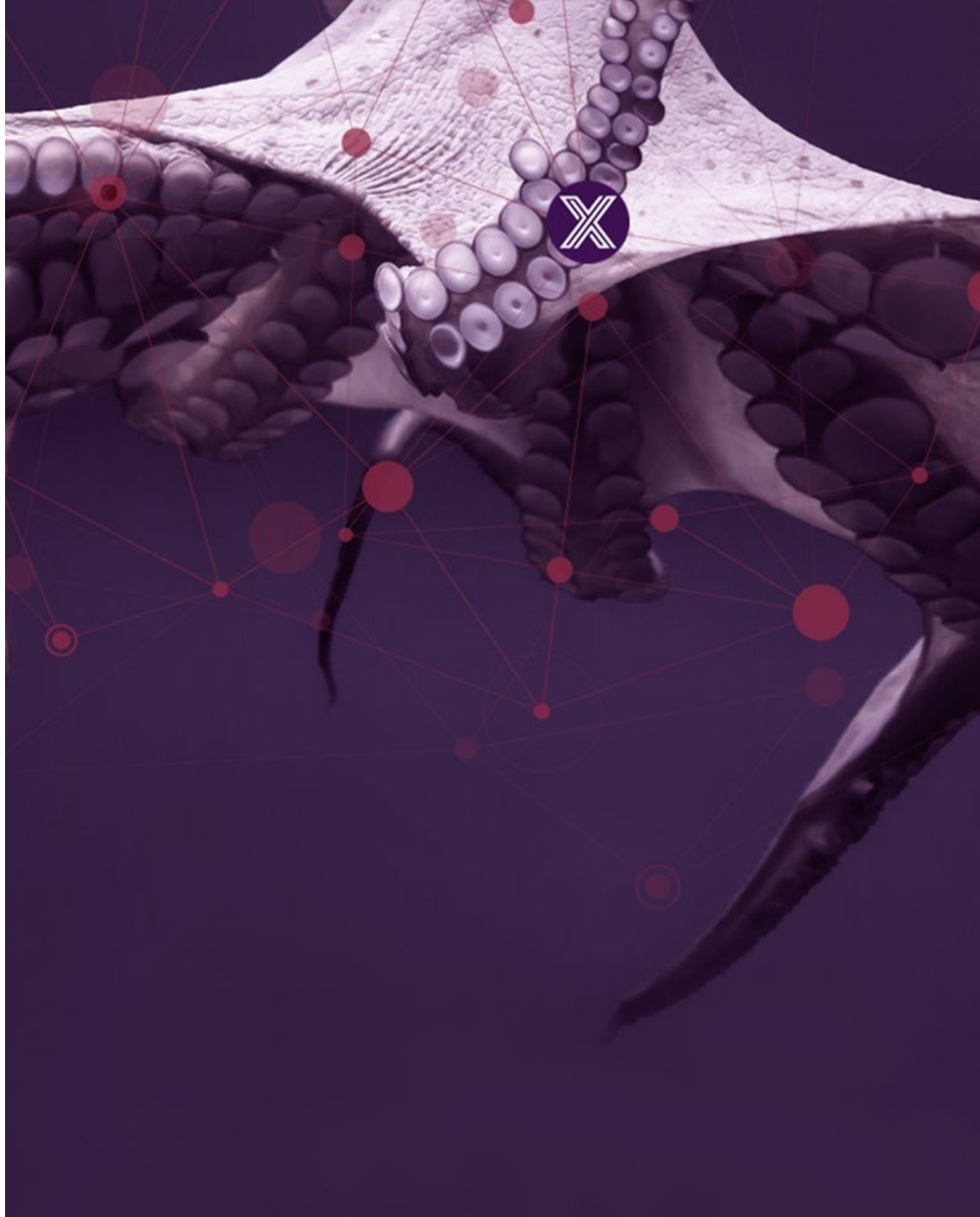
EDGE X FOUNDRY™

TSC Meeting

January 3, 2018



Meeting Logistics

Time: January 3, 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

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.

TSC – Members Present Today

Company	Name	Email
IOTech	**Andy Foster**	andy@iotechsys.com
Analog Devices	**Doug Gardner**	doug.gardner@analog.com
Mainflux	**Janko Isidorovic**	janko@mainflux.com
Dell	**Jason Shepherd**	Jason.A.Shepherd@dell.com
The Linux Foundation	**Jeremy Phelps**	jphelps@linuxfoundation.org
Dell	**Jim White**	james.white2@dell.com
IOTech	**Keith Steele (TSC Chair)**	keith@iotechsys.com
Samsung	**MyeongGi Jeong**	myeong.jeong@samsung.com
VMware	**Salim AbiEzzi**	salim@vmware.com
Canonical	**Tony Espy**	espy@canonical.com
Samsung	Uze Choi	uzchoi@samsung.com

Current quorum = 7 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.*

Today’s Agenda

- TSC F2F Meeting (January)
- WG (Core, Application, Device/DS, DevOps, Test/QA) Updates
- CIP Collaboration Update
- Upcoming Events - Confirmed
- AOB

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TSC F2F Meeting

Brett Preston / Keith Steele

January 16-18, 2018 - Orlando, FL

- Wiki page: https://wiki.edgexfoundry.org/display/FA/16-18+January+2018%3A+Orlando+Technical+Meeting
- Venue secured:
  - HYATT REGENCY ORLANDO INTERNATIONAL AIRPORT
- RSVP by emailing info@edgexfoundry.org
  - Note if you plan to attend in-person or by dial-in
  - Current RSVP Counts: 22 in-person / 3 dial-in

Early Agenda & Topics

Slide Deck [work in progress]:
https://docs.google.com/presentation/d/1gSVaQA_s9l3_dA_CdFdcYrnqcm8stIJuAIPh2fJuXAQ/edit#slide=id.p3

Major topic areas include (see slide deck for details):

- Preview Release
- California Release
- Security Services
  - California
  - Roadmap
- System Management
  - California
  - Roadmap
- Performance metrics (what should they be)
- Resourcing for California release
- Roadmap review (past California)
- Release Schedule review
- Events
  - Conferences
  - Hackathons
  - Next Face-to-Face

Comments: Consider addition of breakout sessions beyond just the half day on day 3

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WG Updates

Jim White

Updates

- New Docker Compose files available
  - for Barcelona release 0.2.0, release 0.2.1, development latest, development CFR
  - See developer scripts repo
- Go Code (core “libraries”, core services, export services - first cuts) available
  - No containers yet (being worked)
  - Early stats (not polished yet - please don’t release)
    - The new services are 4-5 times smaller than the existing Java services
    - The new services start up almost 75 times faster than the existing Java services
    - The new services consume 95% less memory compared to the existing Java services.

CIP

- Met with CIP group 12/19
  - Tony, Jim, Jason Shepherd in attendance from EdgeX side
  - CIP (Civil Infrastructure Platform) is a LF project “focused on establishing an open source ‘base layer’ of industrial grade software to enable the use and implementation of software building blocks in civil infrastructure projects. Currently, civil infrastructure systems are built from the ground up, with little re-use of existing software building blocks”
  - More simply: open source base layer (OSBL) for embedded systems that require super long-term maintenance (SLTS)
  - For EdgeX to run on CIP today, it would require much infrastructure be added, possibly to include:
    - Docker or other deployment technology
    - Java and/or other VM or base application infrastructure,
    - Drivers, etc.

CIP Recommendation

- While the CIP community would like to see EdgeX running on CIP, there does not appear to be an appetite on their part to build or maintain the infrastructure
- Would members of our community want to do this work - above and beyond EdgeX commitments? Potential in areas like oil/gas, but lift is significant.
- At this time, we advised the CIP community to keep the doors of communication open
  - Recommend connect every 3-6 months (perhaps at the OpenIoT Summit) to revisit
  - Recommend CIP look at trying to get EdgeX running on CIP - help determine the work necessary
  - If a community or customer driver started to request more mutual effort to make this happen, we could accelerate
  - No other immediate action at this time

Upcoming Events

Brett Preston

Upcoming Events - Confirmed

- IIC Members Meeting - Progress update in Test Bed Track, February 5-8, 2018, Virginia [Salim]
- Embedded World, February 27 - March 1, 2018, Germany
  - Speakership
- Industry of Things World USA, March 8-9, 2018, San Diego
  - Speakership
- OpenIoT Summit, March 12 - March 14, 2018, Portland
  - Bronze Sponsorship, including booth presence
  - Submitting CFP responses for Sessions/Lab
- IoT Build, March 27-28, 2018, San Francisco
  - Speakership and panel
- Internet of Things World, May 14-17, 2018, Santa Clara
  - Panel

AOB / Reminders

Brett Preston

OpenIoT Summit

- http://events.linuxfoundation.org/events/openiot-summit
- March 12-14, 2018
- Portland, OR (USA)
- CFP now open
  - http://events.linuxfoundation.org/events/openiot-summit/program/callforproposals
  - Deadline: **Sunday, January 7, 2018**
  - 1 Lab (4 hour get up and running), 2 session proposals (General Tech Overview + Microservices) and seeking volunteers for additional sessions
  - Hackathon?

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 Philip DesAutels at LF (pdesautels@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 by Jim White, Dell (james_white2@dell.com)
  30 minute deep-dive topics followed by 30 minute open Q&A
  Call recordings are available on the Wiki

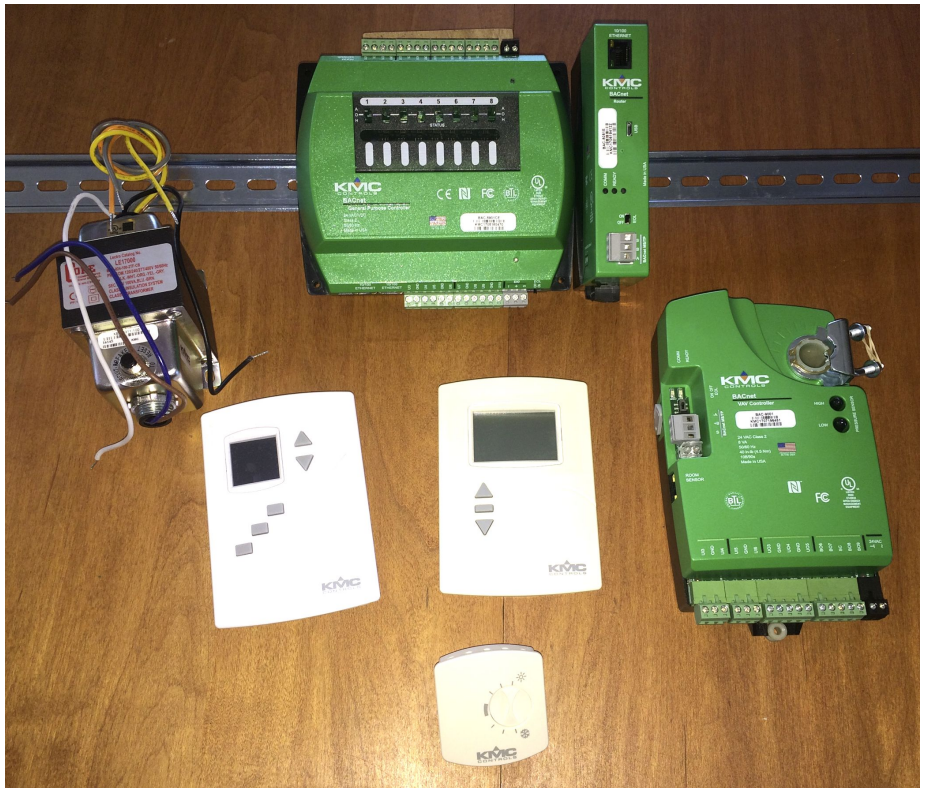
EdgeX in Market

- 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

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

KMC CONTROLS



Special thanks to Dave Bohlman and KMC Controls for making this awesome kit and how-to guide available to members!!

Hackathon Events

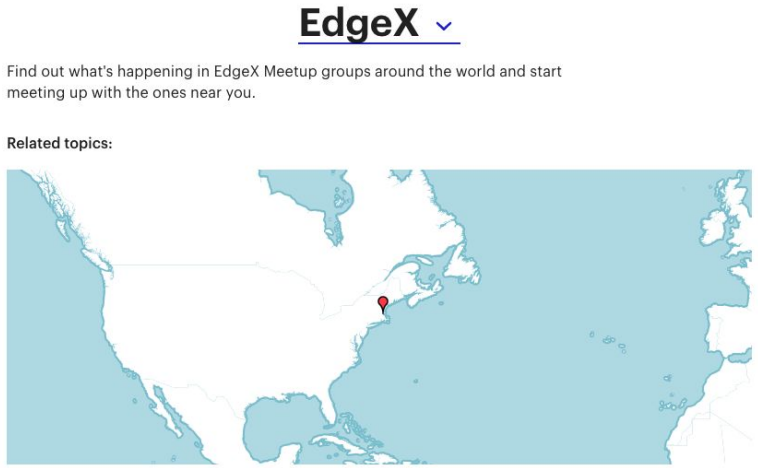
- Jim White and Tyler Cox putting together hackathon starter kit.
- More coming

Hackathons: How can you help?

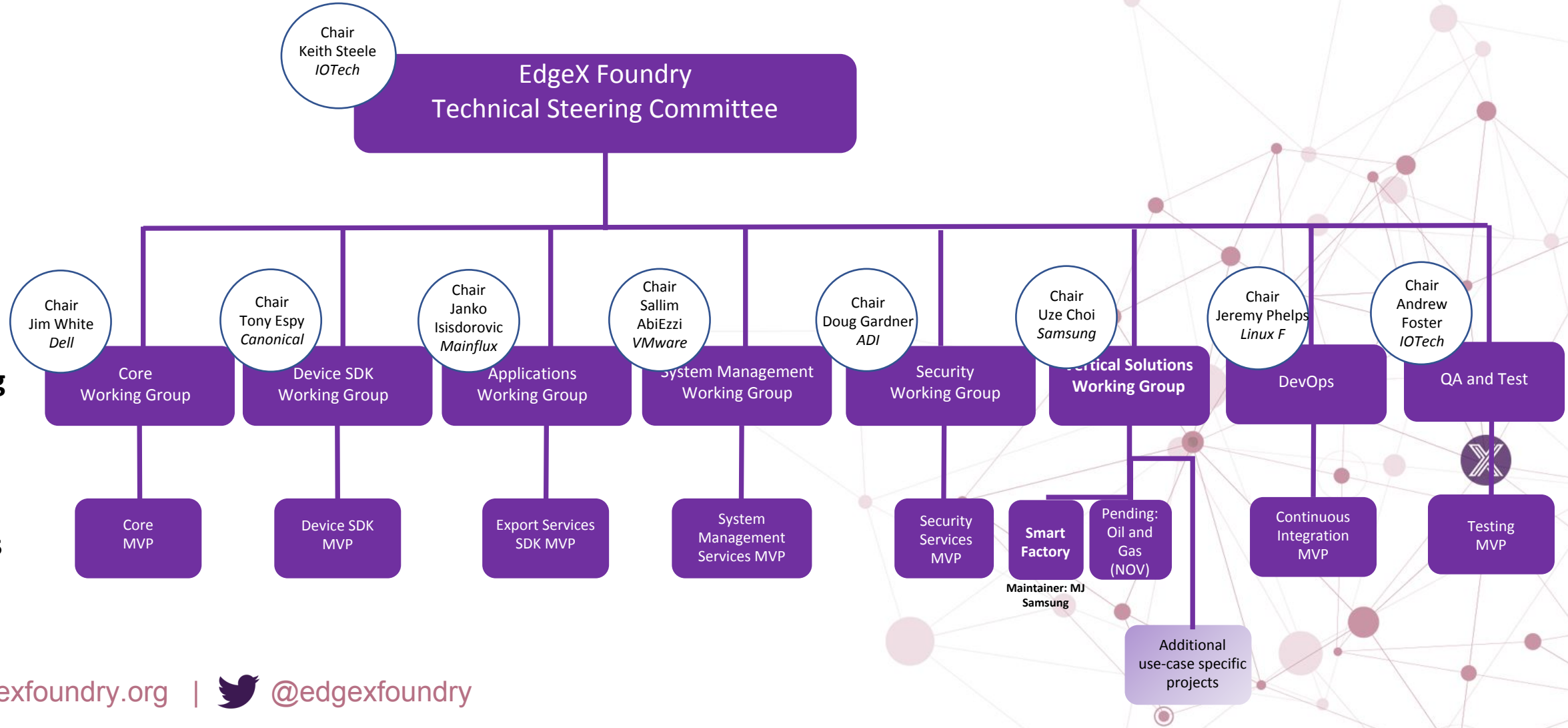
- https://wiki.edgexfoundry.org/display/FA/Hackathons
- Provide any local volunteers onsite to help with technical work, potentially help judge, etc. (see list below of known hackathons coming up and locations)
- Sponsor breakfast/lunch/dinner for the participants (usually things like donuts/coffee, 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

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 Project Organization



Marketing

- **CTA:** If your company will be demoing technologies that utilize the EdgeX framework, please email events@edgexfoundry.org so that we can add to https://www.edgexfoundry.org/events/

- **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

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: January 10, 2017**

Thank You