EDGE X FOUNDRY™

China Project Meeting
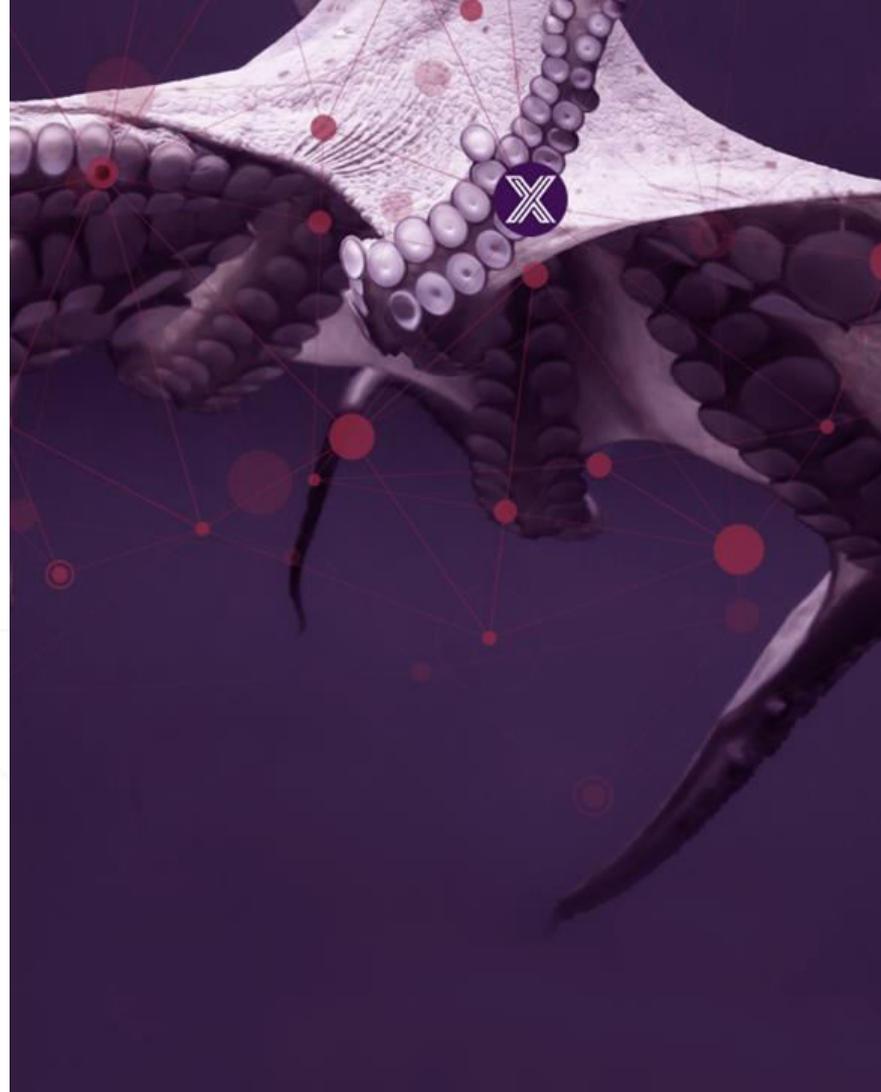
https://wiki.edgexfoundry.org/display/FA/China+Project

Sep 4, 2020

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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.

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Meeting Logistics

Time: 3pm – 4pm (China Standard Time) CST first Friday monthly

Dial-In Info: Join Zoom Meeting: https://zoom.us/j/392518710

Dial by your location:

+86 10 87833177 China

+86 10 53876330 China

400 669 9381 China Toll-free

400 182 3168 China Toll-free

400 616 8835 China Toll-free

+1 669 900 6833 US (San Jose)

+1 646 558 8656 US (New York)

877 369 0926 US Toll-free

855 880 1246 US Toll-free

Meeting ID: 392 518 710

Find your local number: https://zoom.us/u/abscayLpz

*China Project calls are recorded and added to Wiki post-call

China Project – Core Team Members/Representatives Present Today

Company	Name	Email
VMware	Gavin Lu	gguanglu@vmware.com
Intel	Melvin Sun	melvin.sun@intel.com
Thundersoft	Shuo Zhang	gavin.zhang@thundersoft.com
WayClouds	Qiang Fu	fuqiang@wayclouds.com
EMQ	Rocky Jin	rocky@emqx.io
IoTech	Hans Chen	hans@iotechsys.com
Jiangxing AI	Danyang Song	songdanyang@jiangxing.ai

Note: Quorum for China Project 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. Decisions by vote at a meeting require a majority vote of those in attendance, provided quorum is met. Current quorum = 5 members

Today's Agenda

- Core team updates
- Industry sub-teams updates
- Upcoming Events

Core team update

Maintainers

Maintainer Update (Gavin)

- China Project wiki
    - https://wiki.edgexfoundry.org/display/FA/China+Project
- Official Wechat
    - ID: EdgeXFoundryCN, Chinese: "EdgeXFoundry社区"
- Hanoi release
    - Target in Oct
- EdgeX Challenge Shanghai 2020
    - Ongoing

Maintainer Update (Melvin)-DX challenges & improvement solutions

- Steep learning curve
  - Chinese docs translation
  - Easy access to online repos of all materials
  - End2end use case & solution examples

- Limited community tech support
  - Dedicate Chinese websites and online communities
  - Dedicate community program management

- Limit evangelism impact
  - Encourage/incent members to advocate EdgeX and their usage
  - Leverage public media to improve exposure

DX improvement plan-short/middle term

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		Operations	Tech doc writing & translation	Training lectures
		☐ Daily operations of social media, website ☐ Follow-up operations of speakers &rewards program; ☐ Events coordination;	☐ EdgeX document translation in Chinese; ☐ Technical sharing articles, use cases, use experience, etc. ☐ Discussion board, Q&A	☐ Live webinar; ☐ Short video/audio training;
	Instant notification, immediate discussion	+++	+	+
New! CSDN 全球最大中文IT社区	In-depth discussion & knowledge sharing with archive	++	+++	+
New! bilibili www.bilibili.tv	Public media to improve exposure	++	++	+++

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Delivering a world class DX-Long term

Discovery	Learn & Develop	Tools	Support	Community	Solutions
Awareness, Search, Promotion, Events	Documentations, Training, Tutorials, Samples	Onboarding, Adoption, Business Successes	Login, Forums, Live Tech Support, HW Access	Social, Affinity, Sharing	Commercially Available SI/ISV APPs
Easy to Find	Easy to Learn	Easy to Use	Easy to Access	Easy to Share	Easy to Deploy
1) Leverage search engine (baidu, sogou, etc.), developers' community, social media (Bilibili, wechat) to improve exposure. 2) Frequent marketing events & news reports. 3) Leverage EdgeX hackathon to improve visibility.	1) Translate EdgeX document into Chinese. 2) Build dedicated websites for knowledge sharing, BBS discussion. 3) Encourage community active member experts to organize trainings on EdgeX.	1) Create local images & repositories in PRC for EdgeX. 2) Leverage Intel's ESH for one-stop shop of EdgeX related SW packages. 3) Identify valuable/active tools & recipe, coordinate resources to work.	1) Build a web portal & wechat group for EdgeX discussion Forum. 2) Design & implement EdgeX certificate program for EdgeX related support. 3) Leverage DevCloud to test compliant with EdgeX.	1) Leverage social media to host types of discussions. 2) Organize routing community meetings with a cadence to improve affinity. 3) Organize types of interest groups to focus on specific topics.	1) Dig out industry pain points (CCFA, Fast Retailing, etc.) from vertical customers. 2) Develop use cases. 3) Encourage community members to work out solutions. 4) Match-making throughout EdgeX value chain.

WIP

Contributor Update – Rules Engine (EMQ)


- 0.9.1 is to be released
  - Fixed several issues reported from EdgeX community
  - An enhanced UI for streams/rule edit
  - Online plugin management
    - Plugins in contributed into https://github.com/emqx/kuiper will be built automatically with new release
    - A appropriate plugin will be located & installed automatically
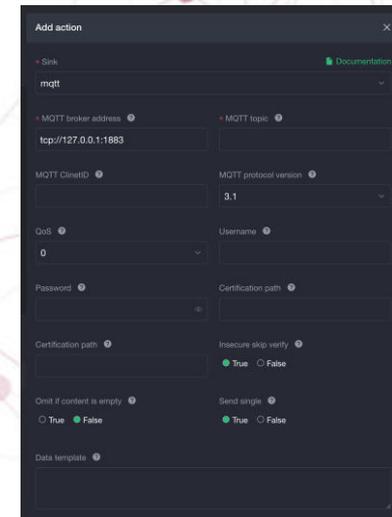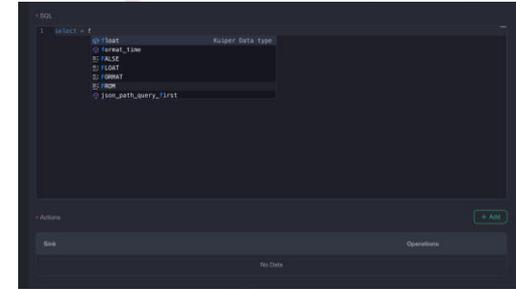
Contributor Update – UI & K8S (VMware)

- **UI**
  - Hanoi release
    - Kuiper integration (done)
    - Clean up notifications/transmissions (ongoing)
    - Create a device UI "wizard"
    - Add some data visualization to the UI
    - SMA integration

- **K8S**
  - Helm Chart & K8S Operators support (done)
  - Engaging with Jim to contribute upstream
  - Going to publish a webinar/webpost

Contributor Update – RPi Support (Thundersoft)
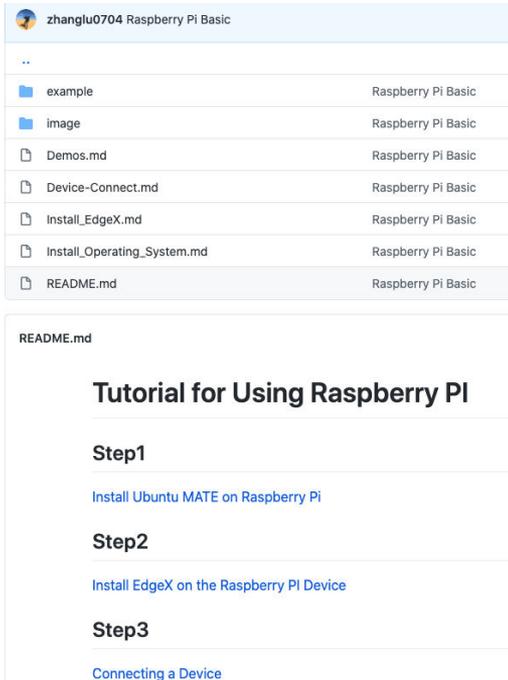
https://github.com/edgexfoundry-holding/edge-device-support

The Raspberry Pi system installation and EdgeX installation tutorial have been updated to the latest version.

Next, upload the Chinese version of the document and make a tutorial for the Intel platform.

Plan:
Device Service Sample, device access
Connect Sample with AWS IoT Core, data upload.

Contributor Update – Device Drivers (Jiangxing)

- Device services contribution
  - Buzzer alarm (sound alarm)
  - Infrared barrier module (obstacle detection)
  - PM2.5 detection (air quality)

  - 6-axis sensor (gyroscope, acceleration and angular tilt)
  - BDS/GPS positioning (positioning)
  - Ambient light sensor (illuminance)
  - Temperature sensor (temperature)

  - Bond button bistable relay (secondary circuit)
  - Universal serial port (generous purpose)

- Part of specific drivers will contribute to
- https://github.com/edgexfoundry/edgex-examples

- TODO
  - Code cleaning (working on)
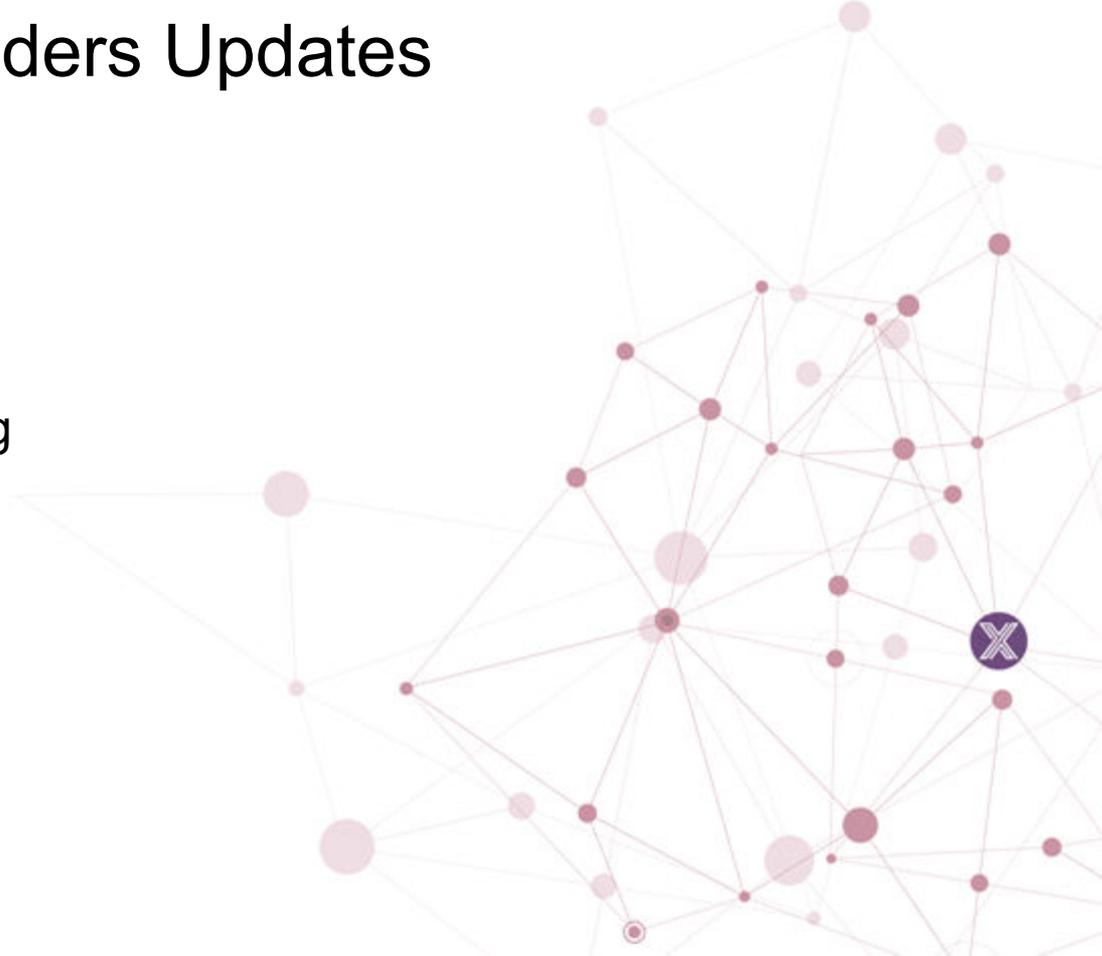 - Further discussion next week

Industry Sub-team Updates

Team Leaders

Industry Sub-team Leaders Updates

- Retails
  - Intel: Melvin Sun

- Manufacturing
  - Thundersoft: Shuo Zhang

- Energy
  - WayClouds: Qiang Fu

- Cities/Campus
  - Intel: Melvin Sun

- Transportation

Upcoming Events

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Thank You!