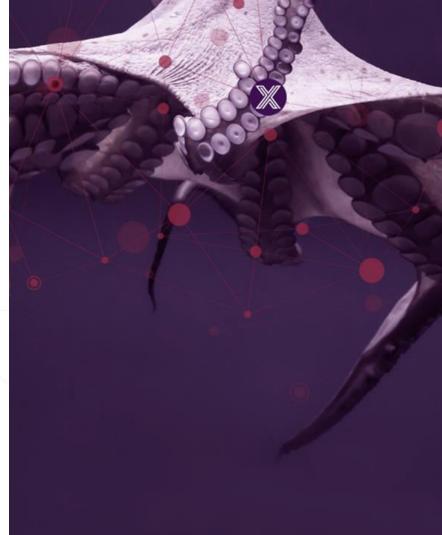


China Project Meeting

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

Aug 7, 2020





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: 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

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

+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





China Project – Core Team Members/Representatives Present Today

Company Name Email

VMware Gavin Lu <u>gguanglu@vmware.com</u>

Intel Melvin Sun <u>melvin.sun@intel.com</u>

Thundersoft Shuo Zhang <u>gavin.zhang@thundersoft.com</u>

WayClouds Qiang Fu <u>fuqiang@wayclouds.com</u>

EMQ Rocky Jin <u>rocky@emqx.io</u>

loTech Hans Chen hans@iotechsys.com

Jiangxing AI Xiaoyi Fan <u>xiaoyifan@jiangxing.ai</u>

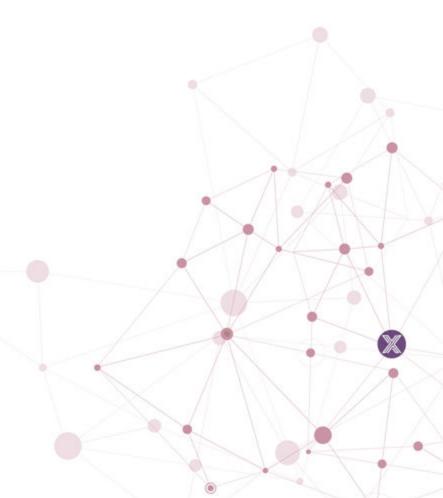
Note: Quorum for China Project meetings requires at least fifty percent of all voting members of the TSC to be present. The TSC may continue to meet if quorum is not met, but will be prevented from making any decisions at the meeting. Decisions by vote at a meeting require a majority vote of those in attendance, provided guorum is met. Current guorum = 5 members





Today's Agenda

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







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

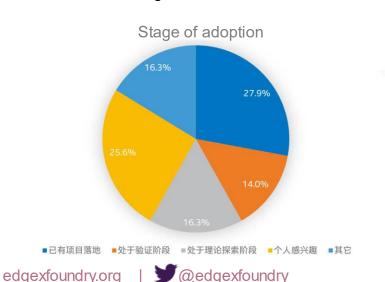


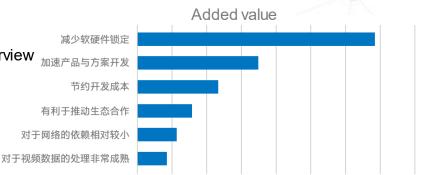


Maintainer Update (Melvin)

EdgeX China Project has just made an in-depth survey & interview to collect EdgeX deployment information.

- Total survey & interview: 32
- Top 3 industries: industrial-18, retail-6, banking-4
- Size of organization: large-7, medium-13, small-12
- Interviewees: engineer-15, PM-6, CIO-4, others-8

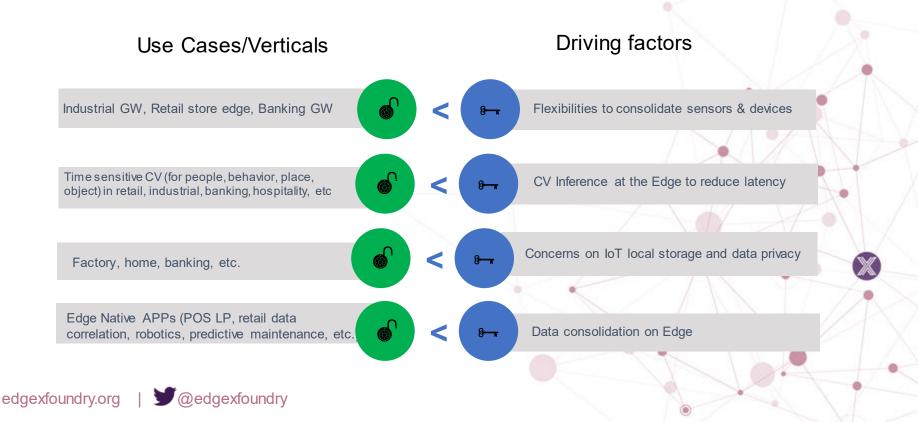








Main use-cases (Melvin)





Contributor Update – Rules Engine (EMQ)

- 0.9.0 was released
 - <u>State management function is supported</u>. This feature enables Kuiper to implement stream with state;
 - Device model support for <u>KubeEdge data model</u> is provided;
 - <u>TDengine plug-in</u> is added, which can support saving analysis results to TDengine time series database;
 - All Chinese documents are translated and synchronized;





Contributor Update – UI & K8S (VMware)

- - Hanoi release
 - App service & rule engine demo at working group meeting
 - Kuiper integration (updating)

- K8S
 - Helm Chart support OSS at https://github.com/DaveZLB/edgexhelm
 - K8S Operators support OSS at https://github.com/DaveZLB/edgexoperator
 - Engaged with Jim to contribute upstream





EDGE X FOUNDRY

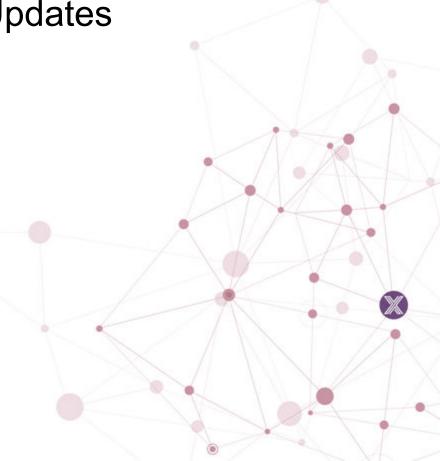
Industry Sub-team Updates

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





EdgeX- Camera Device Service enhanced (Thundersoft – Shuo Zhang)

EdgeX original Camera Device Service: https://github.com/edgexfoundry/device-camera-go

Based on 3rd Lib:

https://github.com/faceterteam/onvif4go

Need Help: How to contribute into EdgeX?

EdgeX connect with ROS

Plan

- Add ROS1 support.
- Update EdgeX version to Geneva.
- Add Robotics Management Reference Design





Better support for EdgeX on Raspberry Pi, and other development/reference devices

Actuality:

- EdgeX iterations are fast and have progressed to the Geneva version, but the Wiki documentation on running EdgeX on Raspberry Pi is only updated to the Delhi version, 3 releases behind.
- The wiki documentation doesn't cover a simple of how to connect an IoT sensor on EdgeX.
- There is currently no dedicated channel on EdgeX Slack for communicating with questions about running EdgeX on Raspberry Pi and other development/reference devices.

Target:

- Let developer more easy to get EdgeX up and running on development/reference devices.
- More developers are interested in EdgeX.
- EdgeX can be of value on many more projects.

https://github.com/edgexfoundry-holding/edge-device-support







GIAC 2020 Shenzhen, Aug 14-15

- GLOBAL INTERNET ARCHITECTURE CONFERENCE
 - Hosted by MSUP
 - IoT & Edge Computing track hosted by Feng Li, EMQ
 - http://giac.msup.com.cn/Giac/schedule/subject?id=1512
 - Breakout session: "Edge Computing and Intelligence with EdgeX Foundry" by Gavin Lu
 - http://giac.msup.com.cn/Giac2020/schedule/course?id=14586



