EDGE X FOUNDRY™

China Project Meeting

https://wiki.edgexfoundry.org/display/FA/China+Project
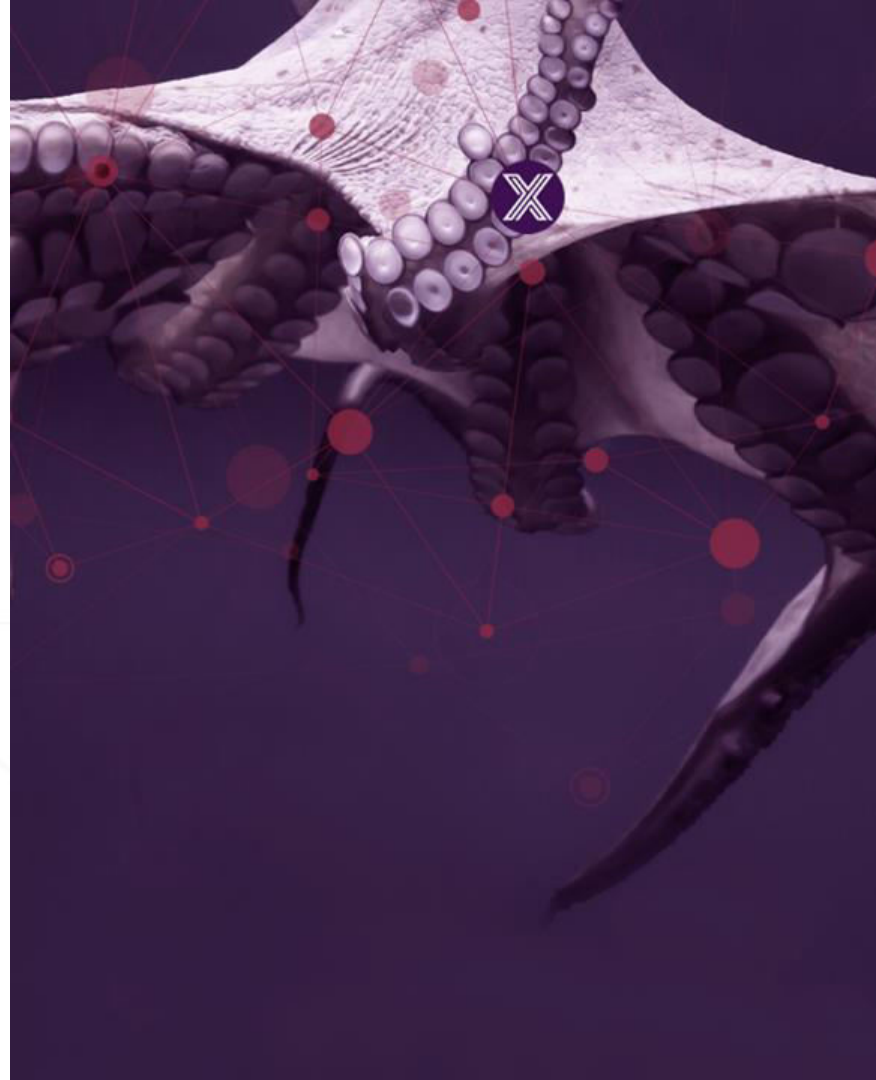
Nov 6, 2020

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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	+1 669 900 6833 US (San Jose)
+86 10 53876330 China	+1 646 558 8656 US (New York)
400 669 9381 China Toll-free	877 369 0926 US Toll-free
400 182 3168 China Toll-free	855 880 1246 US 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

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	Lu Zhang	gavin.zhang@thundersoft.com
WayClouds	Qiang Fu	fuqiang@wayclouds.com
EMQ	Rocky Jin	rocky@emqx.io
IoTech	Joey Fan	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"
- EdgeX Challenge Shanghai 2020
  - Wrapped up on Oct 29
- Hanoi release
  - Target on Nov 18

Hanoi Progress - Good Progress/Looking to deliver

- Go 1.15
- V2 API a slice of core and metadata APIs, DS, App Srv and SDKs
- Allow DS to be distributed
- SSH tunnel how to guide
- Abstraction and pluggable mechanism to provide generation of secrets
- Design secure subsystem launch/bootstrap dependencies
- Design enablement of Vault PKI secret engine
- Address container security
- Vetting of 3rd party packages
- Design of HRT
- DevOps perf improvements
- Restructure of compose files - *stretch*
  - overrides/remove dupes
- Snap build improvements
- Msg bus between DS and appl srv (design only) - *impl stretch*

- CLI v 1.0
  - Roadmap for CLI
- Roadmap for UI
- Gateway identification (tagging at export)
- Drools removal
- Kuiper enhancements
- LLRP RFID DS - *new (in holding)*
- TAF blackbox testing
- Performance metrics testing
- Scalability (modbus) testing for user guidance - *stretch*
- Endorsement program
- Web site refresh
- Topcoder challenge, next steps
- Overlay network how-to - *stretch*
- Deployment / orchestration options (Kubernetes)

Release Czar (10/28/20)

Hanoi Release -

Code Freeze: October 28th (Today! 5pm PDT)

Release Date: November 18th (3 weeks away)

Hanoi Release

| Start Date: | 10/28/2020 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

	week 1							week 2							week 3							week 4						
Assigned to:	oct							nov							nov							nov						
	wed	thu	fri	sat	sun	mon	tue	wed	thu	fri	sat	sun	mon	tue	wed	thu	fri	sat	sun	mon	tue	wed	thu	fri	sat	sun	mon	tue
	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Code Freeze																											
Developers	Update Documentation, Compose Files and Bug Fixes																											
WG Chairs	GitHub Issues: Close / Mark for Ireland																											
Release Tsar	Create Release YAML																					Merge Release YAML						
												Ireland Release Planning										EdgeX Hanoi Release						

Maintainer Update (Melvin)
– Recap of EdgeX Challenge Shanghai

Award ceremony on Oct 29th,2020

**2
Solution Tracks**

40 Teams

**173K voters from the
community**

100 Days!

Winners list

1、 **商业赛道（共 9 支队伍）**
- 一等奖（每支队伍获奖金 2 万元）： c26-i-Design
- 二等奖（每支队伍获奖金 1 万元）： c18-HYD Miracle Innovation
- 三等奖（每支队伍获奖金 5 千元）： c03-AI Cooling；c08-方糖智能
- EdgeX 大使奖（每支队伍获奖金 2 千元）： c27-DreamTech；c16-USST,Yes!；c19-突破实验室；c07-京东星链；c10-梭哈战队

- OpenVINO 特别奖（每支队伍获奖金 1 万元）： c07-京东星链

2、 **工业赛道（共 6 支队伍）**
- 一等奖（每支队伍获奖金 2 万元）： i10-Power Blazers
- 二等奖（每支队伍获奖金 1 万元）： i09-慧眼识能源
- 三等奖（每支队伍获奖金 5 千元）： i06-江行智能
- 行业影响力大奖（每支队伍获奖金 5 千元）： i01-宝武智维
- EdgeX 大使奖（每支队伍获奖金 2 千元）： i07-VSE；i08-北京赛博联物

- OpenVINO 特别奖（每支队伍获奖金 1 万元）： i09-慧眼识能源

Recap of EdgeX Challenge Shanghai

2020. 7. 03–20	7. 21–24	7. 25–9. 14	8. 24–8. 28	9. 01–9. 14	9. 14–24	9. 24	2020. 10
Registration & 1st round proposal submission	1st round evaluation	programing & demo video	Check-point	2nd round submission	Voting via social media	Live roadshow & final evaluation	Awards ceremony, meetup

Sponsors: Canonical, DELL, HP, Intel, IOTech, Tencent, Thundersoft, VMware, and Innospace (a startup incubator)
2 tracks: Commerce, Industrial
High visibility
- Total # of news blog views: ~50K
- WeChat votes/views: 173K / 227K

Active participations
- Total # of submissions: 40 (Commerce/27, Industrial/13)
- # of teams in 2nd round: 15
- 8 prize winners, and several merit award winners

Active interactions with industry organizations/users:
- Retail associations & users
- Big players in industrial verticals
- Investors

Use-cases with blended technologies:

- **Use cases:** retail store insights, asset management, PM/DD of industrial...
- **Tech:** Edge Computing, AI, 5G, Satellites, Blockchain..

Thank you to all our sponsors and participants !

Contributor Update – Rules Engine (EMQ)

- Hanoi includes the latest Kuiper 1.0.0
  - 10+ enhancements & fixes are included
    - Gives error when configured to use redisstreams for EdgeX MessageBus
    - Go 15 upgrading
    - Message bus SDK upgrading
    - EdgeX Kuiper document & tutorial update
    - Containerized Kuiper fails when started with read-only file system
    - Add Collect function support, which can be used for return all of data in the window.
    - Add Deduplicate function support, which can deduplicate the data of window.

- Kuiper 1.0.1 to be released at end of Nov, 2020.

Contributor Update – UI & K8S (VMware)

- UI prototype for roadmap ahead
    - Device creation wizard
    - Data visualization

- K8S
    - Included in Hanoi release
    - Video demo published for TKE@Edge, talking with KubeEdge & OpenYurt

Contributor Update – RPi Support (Thundersoft)

- Update edge-device-support project on https://github.com/edgexfoundry-holding/edge-device-support in both Chinese and English.
  - Developers could experiment EdgeX with more kinds of development/reference devices.
  - The project will provide documentation and source code for developers (including EdgeX&ROS).
  - Welcome more Chinese developers to join EdgeX community

Contributor Update – Device Drivers (Jiangxing)

- GPIO, UART device service are merged into *holding* repo
  - need further code review
  - might be some slight API changes
  - catch up with Go 1.15 and Hanoi new changes
  - https://github.com/edgexfoundry-holding/device-gpio
  - https://github.com/edgexfoundry-holding/device-uart

- 8+ sample device examples are polished
  - based on gpio and uart device services
  - submitted after a final merge of gpio and uart repository

Open Horizon Introduction
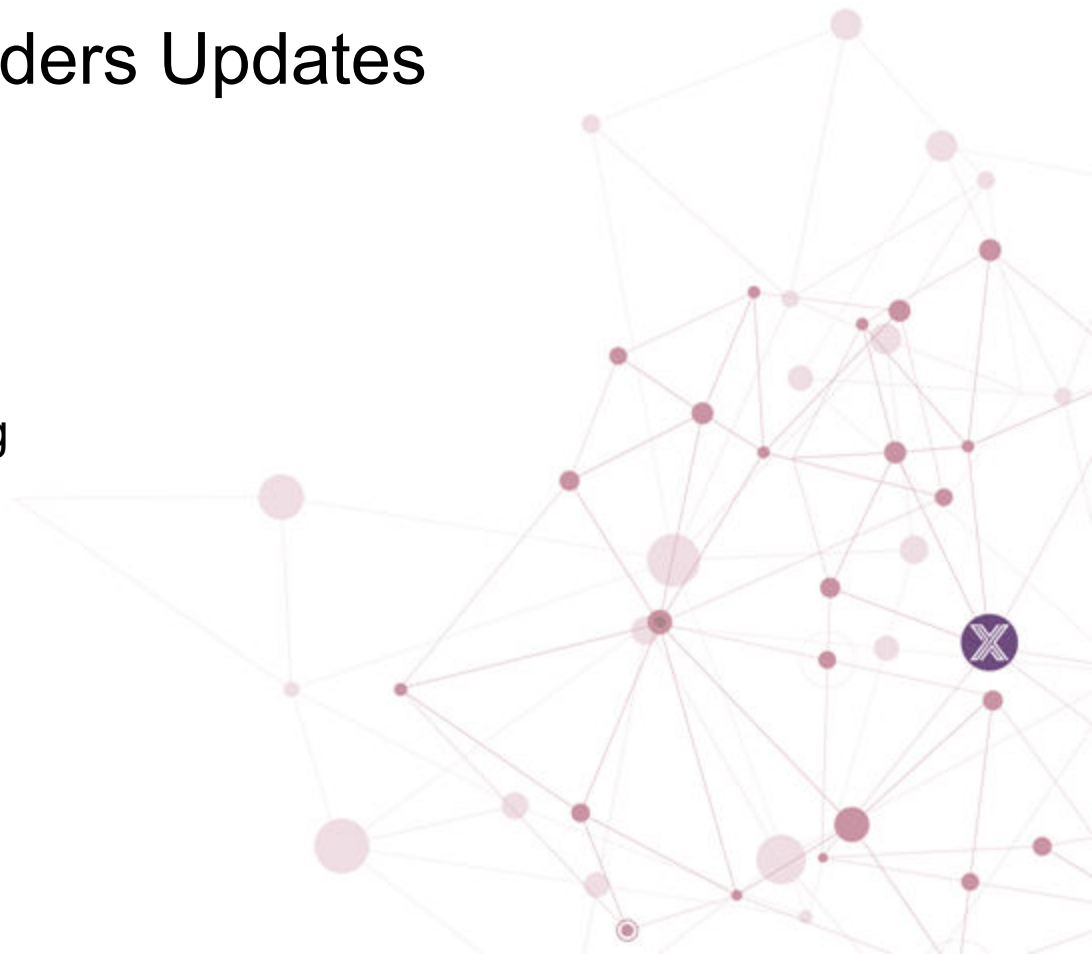
- David Yao & Liang Wang, IBM CDL

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

Upcoming Events

- ChinaSC 2020 OSS Forum at Beijing, on Nov 15
  - EdgeX update by Gavin
- Dell Technical Forum 2020 online, on Nov 13
  - EdgeX update by Gavin
- Ireland planning meeting
  - Nov 9-13 (5 half days)
  - https://wiki.edgexfoundry.org/pages/viewpage.action?pageId=52330532
  - Register: https://events.linuxfoundation.org/edgex-foundry-ireland-release-planning-conference-fall/
- EdgeX Summit China
  - Dec 2020 or Jan 2021

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Thank You!