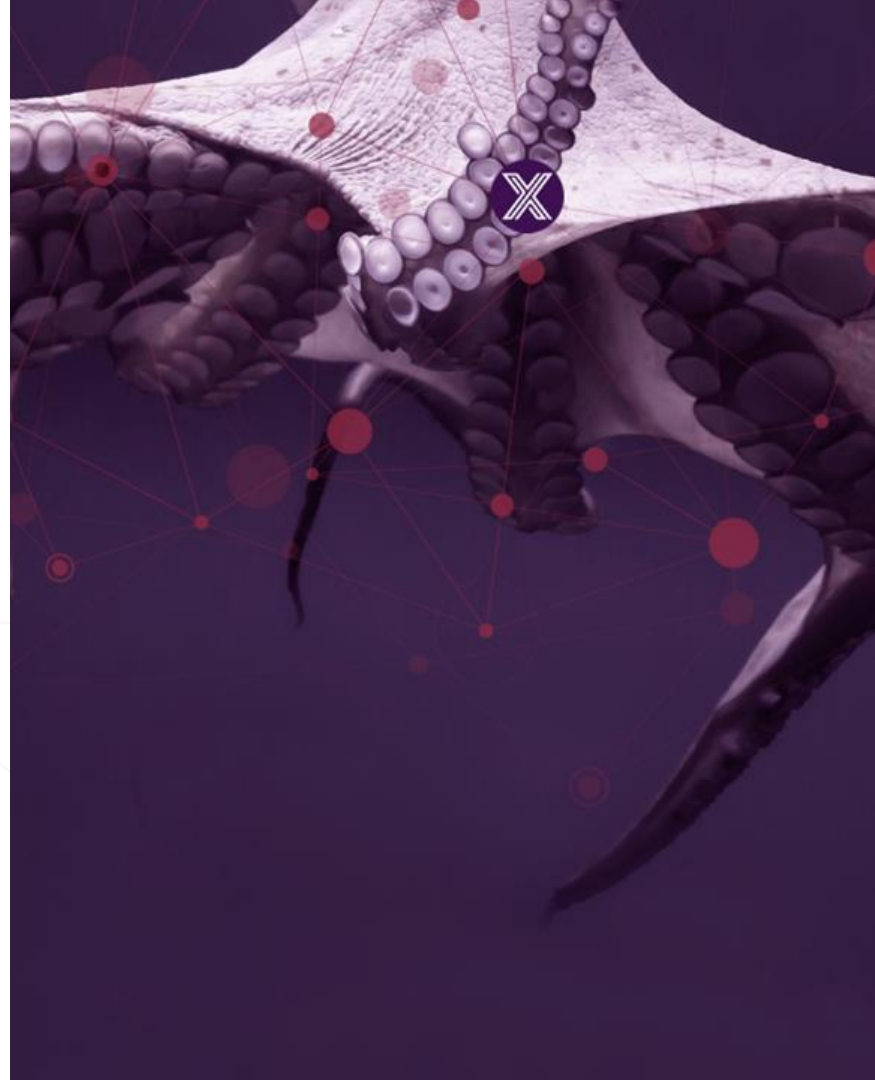




China Project Meeting

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

Jun 5, 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 Updegrave of the firm of Gesmer Updegrave 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	gguanglu@vmware.com
Intel	Melvin Sun	melvin.sun@intel.com
Thundersoft	Shuo Zhang	gavin.zhang@thundersoft.com
WayClouds	Qiang Fu	fuqiang@wayclouds.com
CertusNet	Liyuan Zhang	zhangly@certusnet.com.cn
EMQ	Rocky Jin	rocky@emqx.io
IoTech	Joey Fan	
QuarkData	Xiao Shen	shenxiao@quarkdata.cn

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



The background features a detailed illustration of a snake's head and neck, rendered in a light, almost white color against a dark purple background. The snake's head is on the right, and its neck extends towards the left. A network of red dots connected by thin lines is overlaid on the snake's body, suggesting a digital or technological theme. A small, stylized 'X' logo is visible on the snake's neck.

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Core team update

Maintainers

Maintainer Update (Gavin)

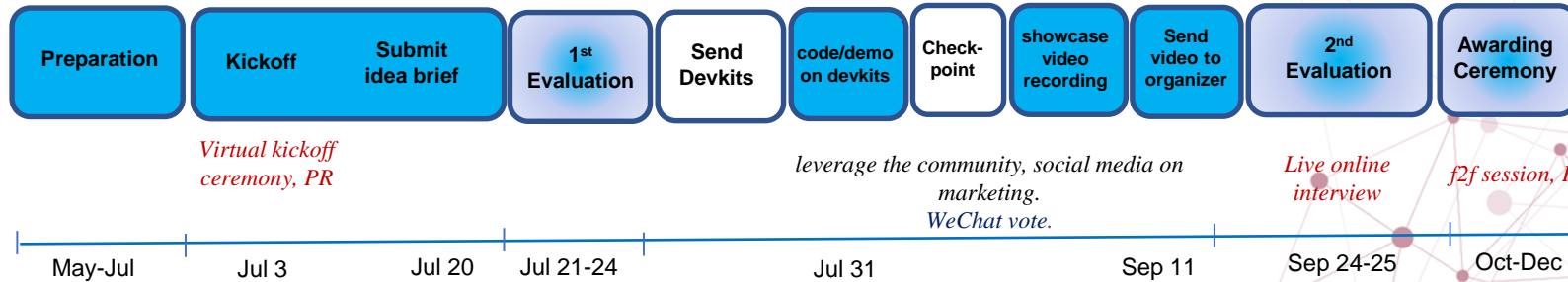
- China Project wiki
 - <https://wiki.edgexfoundry.org/display/FA/China+Project>
- Official Wechat
 - ID: EdgeXFoundryCN, Chinese: “EdgeXFoundry社区”
- Geneva released
 - <https://www.edgexfoundry.org/release-1-2-geneva/>
- Hanoi release
 - Target in Oct
- Q2 online meetup
 - Target 2-6 PM, on Jun 26

Maintainer Update - EdgeX Hackathon snapshot



- ❑ Goal: develop innovative use-cases with EdgeX + Computer Vision
- ❑ Host: Linux Foundation, STCSM; Sponsored by leading SI/ISV and eco-partners
- ❑ Time: Early July ~ End September
- ❑ Two categories: Commerce (retail/banking/hospitality/education), Industrial
- ❑ Virtual sessions due to COVID-19 pandemic

EdgeX Hackathon timeline & categories



Commerce (Retail, Hospitality, Banking, Education, etc.)

- 1) 利用EdgeX, 基于物联网、人工智能、及数据分析等技术, 在商业场景实现涉及人货场的创新应用。
- 2) 基于EdgeX, 实现多传感器联动的物联网应用。
- 3) 利用 EdgeX 架构搭建有利抗击新冠肺炎疫情的应用。
- 4) 利用 EdgeX 与5G、区块链、或服务机器人结合, 实现创新应用。

Industrial (Factories, Power, Oil/Gas, Utilities)

- 1) 针对多边缘结点的场景, 基于EdgeX构建SDN+容器化部署的IT方案。
- 2) 在离散或流程(有更低时延要求)制造业中, 利用EdgeX实现产线上的低延时故障发现和响应
- 3) 在离散制造业中, 利用EdgeX实现产品缺陷的在线检测。
- 4) 利用EdgeX采集数据, 进行电/气/煤/油等能源管理, 提高能源利用率。(比如: 构建热力学模型, 完成热表数据采集以及自动的阀开度控制, 实现供热效率的优化)。
- 5) 利用EdgeX实现多数据源远程无人监控, 与现场的环境自动控制。

EdgeX Hackathon judging criteria & prizes

Criteria	Preliminary	Final
Creativity, use of Computer Vision	30%	30%
Impact, Viability, and Usefulness	30%	30%
Simplicity	30%	30%
Wording & showcase	10%	10%
# of votes on social media (additional points for final phase)		max 20 points

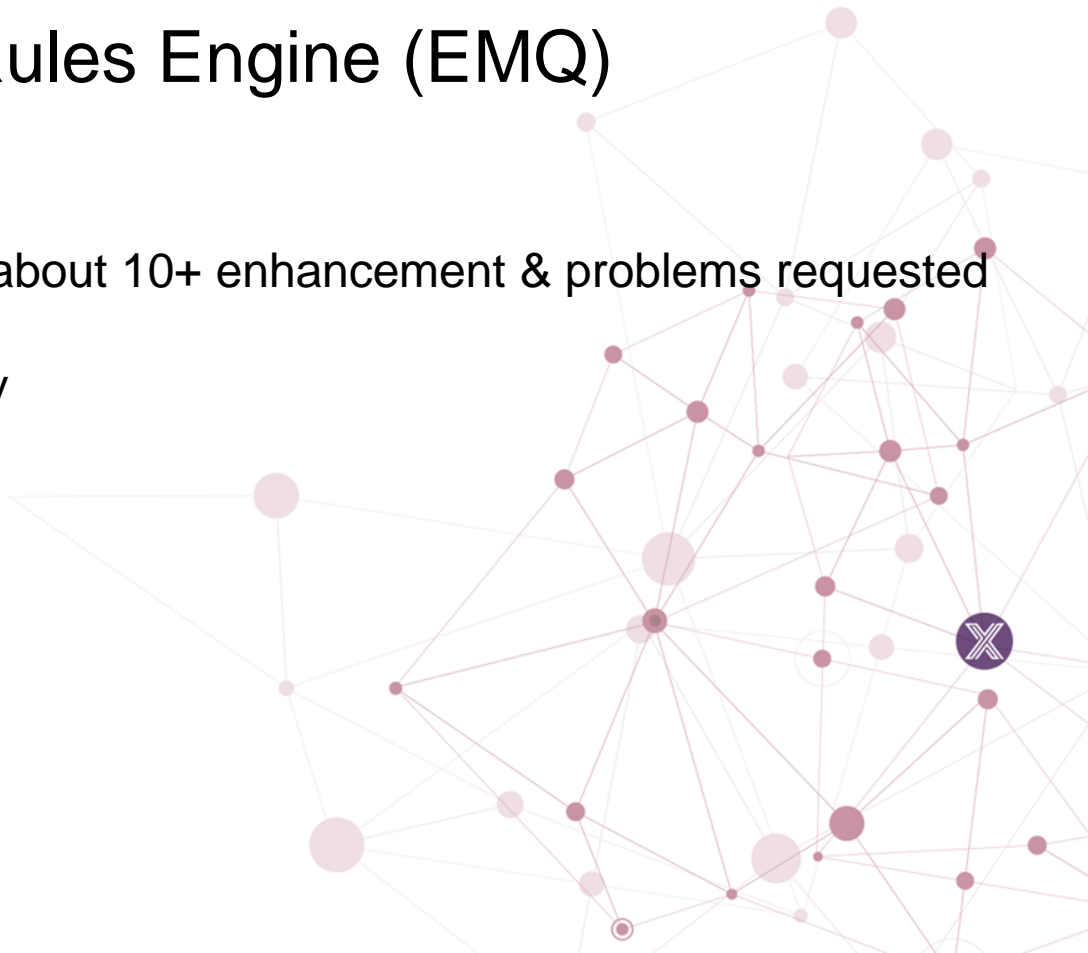
	Commerce category	Industrial category	Special prize for EdgeX+OpenVINO
1 st	20,000 RMB *1	20,000 RMB *1	10,000RMB*2
2 nd	10,000 RMB *1	10,000 RMB *1	
3 rd	5,000 RMB *1	5,000 RMB *1	

EdgeX hackathon sponsorship

Level of Sponsorship	Cost		Benefits		
	Chinese Yuan	US\$ equivalent	Logo exposure on KV, news press, etc.	Keynote speech	Judge committee
Diamond	70K	10K	Y	Y	Y
Gold	35K	5K	Y	Y	
Silver	15K	2K	Y		

Contributor Update – Rules Engine (EMQ)

- Kuiper status
 - Released 0.4.1 version, about 10+ enhancement & problems requested from community
 - Plan to release 1.0 at July



Contributor Update – UI & K8S (VMware)

- UI
 - 1.2.1 patch release
 - Bug fixing for security mode
 - Hanoi release (agreement of Security WG)
 - Runs in the same box of rest EdgeX services
 - No login page
 - Access other services directly
 - Visible at localhost by default, configurable to remote access
 - Runs outside of Kong API gateway by default.
 - Beyond Hanoi
 - In production deployment?
- K8S
 - Provide reference yaml files
 - Support all compatible flavors
 - Functions work on Fuji/Geneva and OSS soon
 - Target to contribute to community finally

EdgeX Foundry in Practices

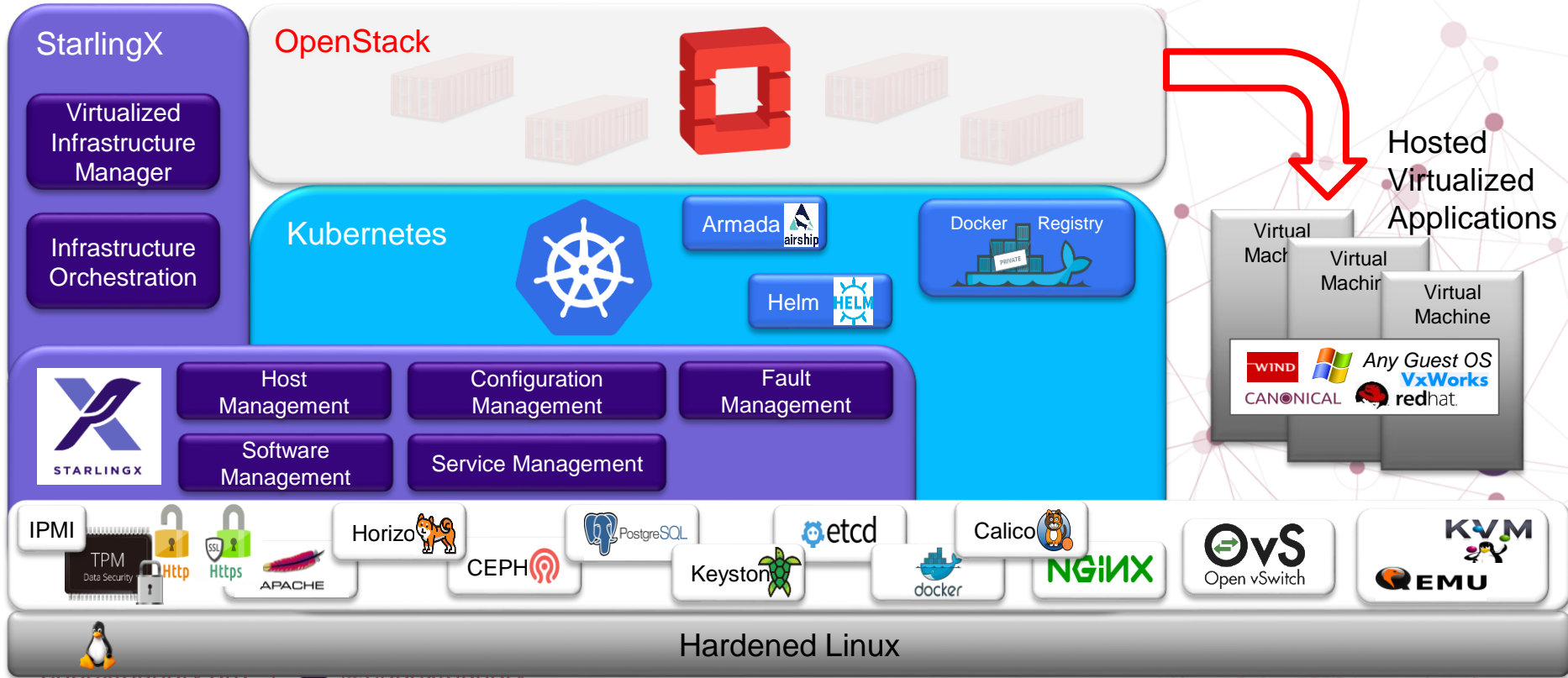


StarlingX Introduction - Intel

- Top-level OpenStack Foundation pilot project
- Software stack providing high performance, low latency, and high availability for Edge Cloud applications
- Growing community
- Inviting users, operators and developers to try out the software and participate in the community



Software Architecture – Virtualization Platform



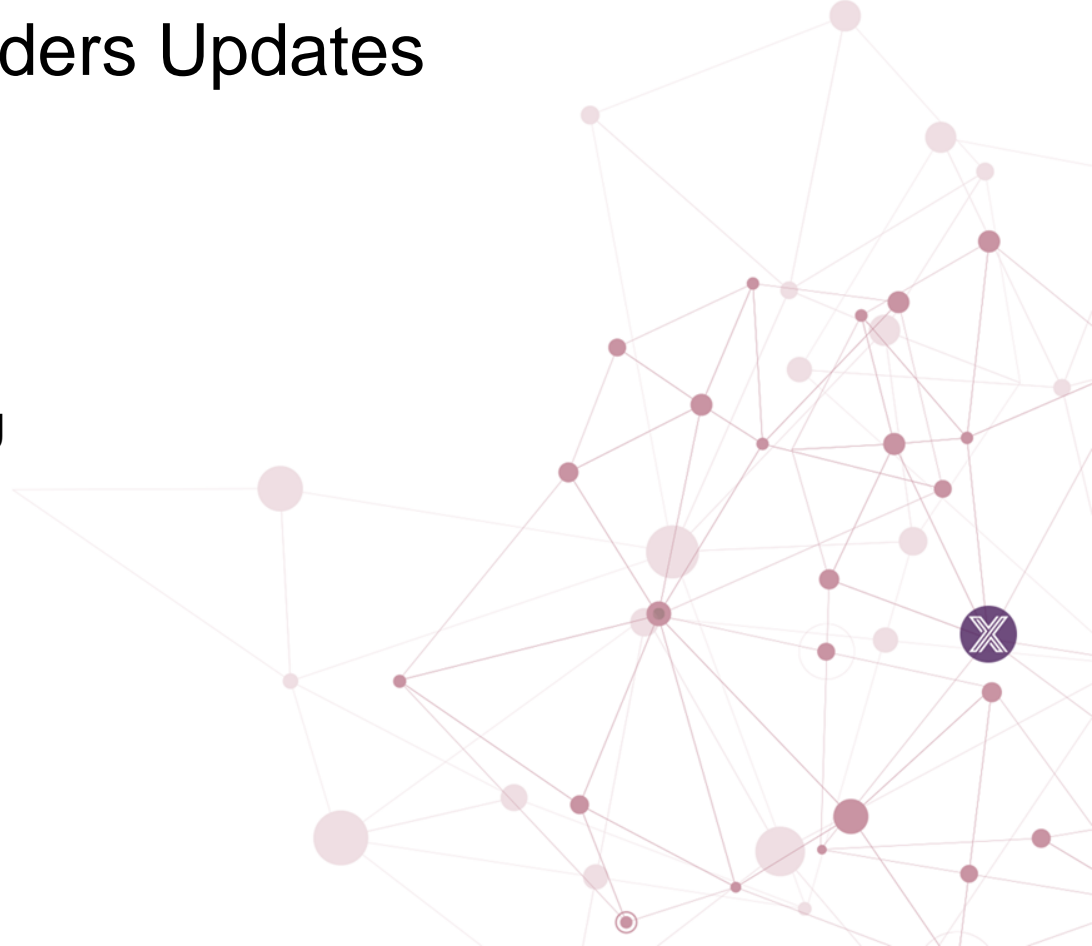


Industry Sub-team Updates

Team Leaders

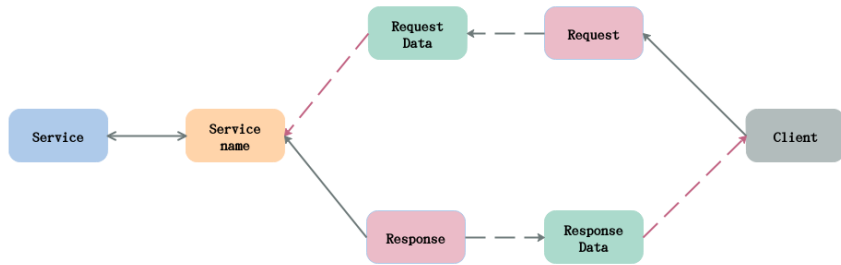
Industry Sub-team Leaders Updates

- Retails
 - Intel: Melvin Sun
- Manufacturing
 - Thundersoft: Shuo Zhang
- Energy
 - WayClouds: Qiang Fu
- Cities/Campus
 - Intel: Melvin Sun
- Transportation



Manufacturing – Thundersoft (Shuo Zhang)

- 边缘计算与信息化应用专业委员会
 - 发布边缘计算示范应用白皮书
 - 制定边缘计算团体标准
 - 启动边缘计算技术与应用培训
 - 探索成立边缘计算技术与应用开放实验室
 - 建立边缘计算专家智库
- EdgeX 与 ROS2 结合Service (进行中)
- 赞助Hackathon, 并积极参与



The background features a detailed illustration of a snake's head and neck, rendered in a light purple and white color scheme. A network of red dots connected by thin lines is overlaid on the image. A small, stylized 'X' logo is positioned on the snake's neck. The logo consists of a white 'X' inside a dark purple circle, which is itself inside a white square.

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Upcoming Events



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Thank You!