

# Y21 EdgeX Challenge

Edgex Challenge China 2021 is an international hackathon event on EdgeX, hosted by LF Edge. EdgeX Foundry provides IoT and edge computing reference architectures for vertical segments: commerce, health, industrial, logistics, enabling more industry solutions and solving more business challenges. It is Co-hosted by the Linux Foundation, STCSM, BMSTC and ACoZSP, sponsored by Alibaba cloud, Baidu Cloud, Canonical, EMQ, InnoSpace, Intel, IOTech, ThunderSoft, VMware, Zizhu-ET. This Hackathon was held in Shanghai, Beijing and Shenzhen simultaneously but with orchestration in the central. 55 proposals have been obtained before deadline, 26 were selected for the final round.

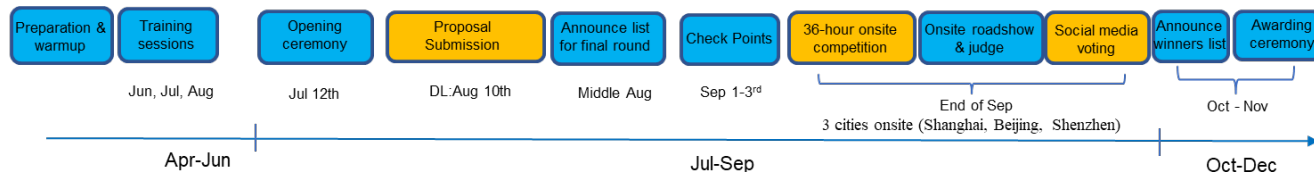
## Winners list of the final round

| Tracks                  | Prizes      |      | Winners             | Use Cases                                         |
|-------------------------|-------------|------|---------------------|---------------------------------------------------|
| Industrial & Logistics  | 1st         | 30K¥ | Advantech           | Smart water pipe control                          |
|                         |             | 30K¥ | ZTE                 | Industrial AGV with 5G                            |
|                         | 2nd         | 20K¥ | Changzhou Institute | Truck weighting system & access control           |
|                         |             | 20K¥ | Suzhou Airtou LTD   | Building automation                               |
|                         | 3rd         | 10K¥ | Nanyang Wanbang     | Data collection & analytics for smart cities      |
|                         | Merit       | 10K¥ | H3C                 | Water pipe control                                |
| Commerce & Healthcare   | 1st         | 30K¥ | Fanmi               | CV based smart community                          |
|                         | 2nd         | 20K¥ | Netease             | Smart workplace & energy saving                   |
|                         |             | 20K¥ | Meijia Robot        | CV based anti-COVID lab filtering                 |
|                         | 3rd         | 10K¥ | Nanjing Future IOT  | Water way monitor and alert                       |
|                         |             | 10K¥ | HYDsoft             | Intelligent medical cart                          |
|                         |             | 10K¥ | JX Intelligence -1  | Smart community management                        |
|                         | Future star | 5K¥  | SUST                | Fatigued Driving Detection                        |
| Open Source Ingredients | OpenVINO    | 20K¥ | JD digital          | Digital signage & smart recommendation system     |
|                         | EII         | 20K¥ | HYD-soft            | Intelligent medical cart                          |
|                         |             | 20K¥ | JX Intelligence -2  | Unattended on-site monitoring, O&M for industrial |
|                         | Baetyl      | 20K¥ | Nanjing Future IOT  | AI based waterway monitoring and alert            |
|                         |             | 20K¥ | Netease             | Smart workplace & energy saving                   |
|                         | 5G AGV      | 20K¥ | ZTE                 | Industrial AGV with 5G                            |

All proposals are shared on google drive (in Chinese):

<https://drive.google.com/drive/folders/1z5SQLXAYqGB4Lx9pVayHfvFGkTbrTy2k?usp=sharing>

## Timeline



## Tracks & prizes

## Track1 Track2

| Prizes          | Commerce & Health | Industrial & Logistics | Special prizes for partners' OSS ingredients                       |               |               |               |
|-----------------|-------------------|------------------------|--------------------------------------------------------------------|---------------|---------------|---------------|
|                 |                   |                        | (maximum 2 ingredients claims, up to 5 additional points for each) |               |               |               |
|                 |                   |                        | OpenVINO                                                           | EII           | Baetyl        | 5G cloud AGV  |
| 1 <sup>st</sup> | 30,000 RMB *1     | 30,000 RMB *1          | 20,000 RMB *2                                                      | 20,000 RMB *2 | 20,000 RMB *2 | 20,000 RMB *2 |
| 2 <sup>nd</sup> | 20,000 RMB *1     | 20,000 RMB *1          |                                                                    |               |               |               |
| 3 <sup>rd</sup> | 10,000 RMB *2     | 10,000 RMB *2          |                                                                    |               |               |               |
| Merit           | 2000RMB*n         | 2000RMB*n              |                                                                    |               |               |               |

## Level of sponsorship

| Level             | Cost |     | Benefits                               |         |       |                                             |
|-------------------|------|-----|----------------------------------------|---------|-------|---------------------------------------------|
|                   | RMB  | USD | Logo exposure on KVnews reports, blogs | Keynote | Judge | OSS ingredients included in EdgeX Hackathon |
| Strategic partner | 200K | 30K | Y                                      | Y       | Y     | Y                                           |
| Diamond           | 100K | 15K | Y                                      | Y       | Y     |                                             |
| Gold              | 70K  | 10K | Y                                      | Y       |       |                                             |
| Silver            | 35K  | 5K  | Y                                      |         |       |                                             |

## Training Resources

|                                                                                                                                                                                                      |             |                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                 |
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| <a href="https://zoom.us/j/99970307009?pwd=NzFicjR6bVNsbnRqWTZXWEhrbFhMUT09">https://zoom.us/j/99970307009?pwd=NzFicjR6bVNsbnRqWTZXWEhrbFhMUT09</a><br>Meeting ID: 999 7030 7009<br>Passcode: 338198 | #           | a1                                                                                                                                                                                                                                                                              | a2                                                                                                                                                                                                                                                                                  | a3                                                                                                                                                                                                                                                                                    | a4                                                                                                                                                                                                                                                                                    | a5                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                      |             | 2-3pm, 6/21/2021                                                                                                                                                                                                                                                                | 2-3pm, 6/22/2021                                                                                                                                                                                                                                                                    | 2-3pm, 6/23/2021                                                                                                                                                                                                                                                                      | 2-3pm, 7/8/2021                                                                                                                                                                                                                                                                       | 2-3pm, 6/25/2021                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                      |             | EdgeX                                                                                                                                                                                                                                                                           | Baetyl                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                       | 5GAGV                                                                                                                                                                                                                                                                                 | OpenVINOTM                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                      |             | Xiaofeng Huang@Intel                                                                                                                                                                                                                                                            | Leding Li@Baidu                                                                                                                                                                                                                                                                     | Zhang Fan@Intel                                                                                                                                                                                                                                                                       | Wang Haitao@Intel                                                                                                                                                                                                                                                                     | Cao Huiyan@Intel                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                      | P<br>P<br>T | : <a href="https://pan.baidu.com/s/1nZPCbC1VlwUx2Vlcy13nQ">https://pan.baidu.com/s/1nZPCbC1VlwUx2Vlcy13nQ</a> : vo2r                                                                                                                                                            | : <a href="https://pan.baidu.com/s/1EeFZF2IZ_O4PJkqITE76tQ">https://pan.baidu.com/s/1EeFZF2IZ_O4PJkqITE76tQ</a> : e01t                                                                                                                                                              | : <a href="https://pan.baidu.com/s/13UmrLC9JtQkdXO1Z8tShuQ">https://pan.baidu.com/s/13UmrLC9JtQkdXO1Z8tShuQ</a> : e9fl                                                                                                                                                                | : <a href="https://pan.baidu.com/s/1vDU9_v41_kxl7b-PodMeXQkhno">https://pan.baidu.com/s/1vDU9_v41_kxl7b-PodMeXQkhno</a>                                                                                                                                                               | : <a href="https://pan.baidu.com/s/17W5TJN_Tezincoityc8z_A">https://pan.baidu.com/s/17W5TJN_Tezincoityc8z_A</a> : q7ul                                                                                                                                                                |                                                                                                                                                                                                                                                                                 |
| <a href="https://zoom.us/j/9669970384?pwd=aVdNRjhFdYt2V2xRK09SZFRZSnlzZz09">https://zoom.us/j/9669970384?pwd=aVdNRjhFdYt2V2xRK09SZFRZSnlzZz09</a><br>Meeting ID: 966 9970 3384<br>Passcode: 018289   | #           | b1                                                                                                                                                                                                                                                                              | b2                                                                                                                                                                                                                                                                                  | b3                                                                                                                                                                                                                                                                                    | b4                                                                                                                                                                                                                                                                                    | b5                                                                                                                                                                                                                                                                                    | b6                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                      |             | 10-11am, 7/19/2021                                                                                                                                                                                                                                                              | 10-11am, 7/20/2021                                                                                                                                                                                                                                                                  | 10-11am, 7/21/2021                                                                                                                                                                                                                                                                    | 10-11am, 7/22/2021                                                                                                                                                                                                                                                                    | 2-3pm, 7/22/2021                                                                                                                                                                                                                                                                      | 10-11am, 7/23/2021                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                      |             | EdgeX 2.0 & e2e practice of EdgeX                                                                                                                                                                                                                                               | EdgeX Foundry Device Service                                                                                                                                                                                                                                                        | Running enterprise-grade Edge applications with EdgeX on Ubuntu Core                                                                                                                                                                                                                  | Edge.AI deep dive OpenVINO+EdgeX                                                                                                                                                                                                                                                      | ""                                                                                                                                                                                                                                                                                    | EdgeX Rule Engine - LF Edge eKuiper in Action                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                      |             | Huaqiao @VMware                                                                                                                                                                                                                                                                 | Cloud Tsai@IOTech                                                                                                                                                                                                                                                                   | Taiten.peng @Canonical                                                                                                                                                                                                                                                                | Antonio @Intel                                                                                                                                                                                                                                                                        | @                                                                                                                                                                                                                                                                                     | Huang Jiyong@EMQ                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                      | P<br>P<br>T | : <a href="https://pan.baidu.com/s/1JbR8nE4lypegVqmKaRQEAW">https://pan.baidu.com/s/1JbR8nE4lypegVqmKaRQEAW</a> : 8wb2                                                                                                                                                          | : <a href="https://pan.baidu.com/s/1cYd1U3hY8h6B-bHUKN7kAA">https://pan.baidu.com/s/1cYd1U3hY8h6B-bHUKN7kAA</a> : g5nw                                                                                                                                                              | : <a href="https://pan.baidu.com/s/1VQ4pdmEMXnMTSxzrIJIOg">https://pan.baidu.com/s/1VQ4pdmEMXnMTSxzrIJIOg</a> : qyir                                                                                                                                                                  | : <a href="https://pan.baidu.com/s/1IHE17JQTDitcLIEHd6PYHw">https://pan.baidu.com/s/1IHE17JQTDitcLIEHd6PYHw</a> : xpex                                                                                                                                                                | : <a href="https://pan.baidu.com/s/1gRJZupLmFUOV43UlaocCvA">https://pan.baidu.com/s/1gRJZupLmFUOV43UlaocCvA</a> : jcwj                                                                                                                                                                | : <a href="https://pan.baidu.com/s/1QYaBES9c75wmTiS-PSW4dQ">https://pan.baidu.com/s/1QYaBES9c75wmTiS-PSW4dQ</a> : frcg                                                                                                                                                          |
|                                                                                                                                                                                                      |             | <a href="https://zoom.us/rec/share/26d_W7ERDsQJ3bk6M8Ol_APpyzFahRcl3SEglw36vudnw1PaL57vdf7e6To70.tjA8grR54P107y1Q?startTime=1626659967000">https://zoom.us/rec/share/26d_W7ERDsQJ3bk6M8Ol_APpyzFahRcl3SEglw36vudnw1PaL57vdf7e6To70.tjA8grR54P107y1Q?startTime=1626659967000</a> | <a href="https://zoom.us/rec/share/yXk4VeLG_2nW4j0r7fX-W3sUJ16kGU9JK1bb6lgyE1T0mVZhXHU5a7JVbWx6ql1g.N4Z8DLM1P1JGVFn?startTime=1626746541000">https://zoom.us/rec/share/yXk4VeLG_2nW4j0r7fX-W3sUJ16kGU9JK1bb6lgyE1T0mVZhXHU5a7JVbWx6ql1g.N4Z8DLM1P1JGVFn?startTime=1626746541000</a> | <a href="https://zoom.us/rec/share/XjelzBJN2vPNjMIRqqgrdoh2-nExA4i88SGKcWjYakLY5NcdnvRwCmtlpmpclWG1.T2KF2VQcscDJOn2U?startTime=1626832613000">https://zoom.us/rec/share/XjelzBJN2vPNjMIRqqgrdoh2-nExA4i88SGKcWjYakLY5NcdnvRwCmtlpmpclWG1.T2KF2VQcscDJOn2U?startTime=1626832613000</a> | <a href="https://zoom.us/rec/share/5JVOCOGN8xCPbhvFW2OTa1GNQPRihBYzOewLghY1kwaYYleU0JVob-Vyy4WiT280.XZcLC7m8NQ-utGTF?startTime=1626919530000">https://zoom.us/rec/share/5JVOCOGN8xCPbhvFW2OTa1GNQPRihBYzOewLghY1kwaYYleU0JVob-Vyy4WiT280.XZcLC7m8NQ-utGTF?startTime=1626919530000</a> | <a href="https://zoom.us/rec/share/TxIBCadFonmDAS3dvAXiXUuw8ccDPQgtJJBfg3fzJJE2YH9bUdnEuclH65Xq45Cc.531mJxAwTo9w-rL2?startTime=1626933713000">https://zoom.us/rec/share/TxIBCadFonmDAS3dvAXiXUuw8ccDPQgtJJBfg3fzJJE2YH9bUdnEuclH65Xq45Cc.531mJxAwTo9w-rL2?startTime=1626933713000</a> | <a href="https://zoom.us/rec/share/90s0YkrN8knH8Dss8XFnBsXuNC97Ik64Kz0ovE8pztd_VTVmGr-WgD9gpReal3g.FaHr0XDUFIWipm?startTime=1627005637000">https://zoom.us/rec/share/90s0YkrN8knH8Dss8XFnBsXuNC97Ik64Kz0ovE8pztd_VTVmGr-WgD9gpReal3g.FaHr0XDUFIWipm?startTime=1627005637000</a> |
|                                                                                                                                                                                                      | #           | c1                                                                                                                                                                                                                                                                              | c2                                                                                                                                                                                                                                                                                  | c3                                                                                                                                                                                                                                                                                    | c4                                                                                                                                                                                                                                                                                    | c5                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                 |
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|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|             | 2-3pm,8/23/2021                                                                                                                                                                                                                                                                                 | 2-3pm,8/24/2021                                                                                                                                                                                                                                                                               | 2-3pm,8/25/2021                                                                                                        | 2-3pm,8/26/2021                                                                                                                                                                                                                                                                               | 2-3pm,8/27/2021                                                                                                                                                                                                                                                                             |  |
|             | EdgeX+K8S-Integration with OpenYurt                                                                                                                                                                                                                                                             | EdgeX2.0                                                                                                                                                                                                                                                                                      | EII+EdgeX connection                                                                                                   | EdgeX                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                             |  |
|             | Wuming Liu@VMware                                                                                                                                                                                                                                                                               | Cloud Tsai@IOTech                                                                                                                                                                                                                                                                             | Zhang Fan@Intel                                                                                                        | Jintao Bai@Thundersoft                                                                                                                                                                                                                                                                        | Xiaofeng Huang@Intel                                                                                                                                                                                                                                                                        |  |
| P<br>P<br>T | : <a href="https://pan.baidu.com/s/1gG7tI7iITELF-LHgEp9d6Q">https://pan.baidu.com/s/1gG7tI7iITELF-LHgEp9d6Q</a> : ef1f                                                                                                                                                                          | : <a href="https://pan.baidu.com/s/1-9d1V5Q-ka6iHElshsFe8g">https://pan.baidu.com/s/1-9d1V5Q-ka6iHElshsFe8g</a> : 3ni0                                                                                                                                                                        | : <a href="https://pan.baidu.com/s/15xDMQelZHiW-JwMJ33QNMq">https://pan.baidu.com/s/15xDMQelZHiW-JwMJ33QNMq</a> : 4dqs | : <a href="https://pan.baidu.com/s/1AG4LBfeGwg_ubhp5-qw7hQ">https://pan.baidu.com/s/1AG4LBfeGwg_ubhp5-qw7hQ</a> : ukk7                                                                                                                                                                        | : <a href="https://pan.baidu.com/s/10EbERnTO6c0JfTpSb6qrLQ">https://pan.baidu.com/s/10EbERnTO6c0JfTpSb6qrLQ</a> : kb1p                                                                                                                                                                      |  |
|             | <a href="https://zoom.com.cn/rec/share/FgEdnvuktKqwwlJJZvXR02ykTCHs7gFBQhRuQloL1f8k2Y8Crvu_nRx4BKiv9CXYk.Ds-T89k3_whKhJaS?startTime=1629698559000">https://zoom.com.cn/rec/share/FgEdnvuktKqwwlJJZvXR02ykTCHs7gFBQhRuQloL1f8k2Y8Crvu_nRx4BKiv9CXYk.Ds-T89k3_whKhJaS?startTime=1629698559000</a> | <a href="https://zoom.com.cn/rec/share/fblstdRYMxOiaH-VYporAoZdmjV0eQ4qHahScr09qOUVQIPO08XkmXtTBjrrlL7A.PtkNSS-bUk_Er5dk?startTime=1629784819000">https://zoom.com.cn/rec/share/fblstdRYMxOiaH-VYporAoZdmjV0eQ4qHahScr09qOUVQIPO08XkmXtTBjrrlL7A.PtkNSS-bUk_Er5dk?startTime=1629784819000</a> |                                                                                                                        | <a href="https://zoom.com.cn/rec/share/8k04w-Slyg6FW-B2x88xiZuVlymiRfSvEeDBpyfNeCb7bgclqSNxj3wyKn5lmh7H._uaDCnCJP7GR5_j6?startTime=1629957429000">https://zoom.com.cn/rec/share/8k04w-Slyg6FW-B2x88xiZuVlymiRfSvEeDBpyfNeCb7bgclqSNxj3wyKn5lmh7H._uaDCnCJP7GR5_j6?startTime=1629957429000</a> | <a href="https://zoom.com.cn/rec/share/RbDf7d30KGmWfynt-9MrVE51mqPdymBmKJC_dRFJn9KKUI0B6OFJYzIKJW7zgrY.JYDOrm0rUAMglgvW?startTime=1630044052000">https://zoom.com.cn/rec/share/RbDf7d30KGmWfynt-9MrVE51mqPdymBmKJC_dRFJn9KKUI0B6OFJYzIKJW7zgrY.JYDOrm0rUAMglgvW?startTime=1630044052000</a> |  |