Jakarta Planning Meetings (Jun 21-25)

Day 1 Notes/Action Items

Action items in red

Ireland Release

- No test failures. Release still on schedule.
- Two late arriving bugs to be triaged:
  - https://github.com/edgexfoundry/edgex-go/issues/3586 (attempting to query for 65K of readings) – issue being closed and worked by IOTech with adopter
  - https://github.com/edgexfoundry/edgex-go/issues/3585 (issue of failure to register with 60 second startup time – asking adopter to increase to 90)

EdgeX Web Site

- The web site managing company (and hosting organization) recently split. Transitioned contracts and work to Capitan Systems
- Funding for the web site is currently managed by IOTech until the end of 2021. Alternate funding will be necessary for 2022.
- Chinese Web Site will be ready at the time of June 30th release.
- Contracted development/hosting company included hosting fees for one year in their contract agreement.

China Hackathon

- The 2021 China Hackathon is already underway.
- The opening ceremony will be on July 12th (training for the event is already underway)
- The contest goes through the summer and the award ceremony will be in the middle of October.
- Hoping to have more than 50 teams participating.
- The EdgeX community voiced a desire to hold a US/Europe virtual hackathon this fall. Outreach will take the lead in exploring and organizing this event – leveraging the China teams lessons learned where possible.

Vertical Solutions

- In addition to ORRA, AgStack, and DTC, there is a desire to re-vitalize an industrial focused part of the vertical solutions working group.
- Outreach will work with IOTech (trying to bring in the likes of Schneider and others) as well as Intel China (Melvin Sun has several industrial groups in China with interest) to re-start an industrial user working session.

Certification

- EdgeX Ready program is ready to launch with the release.
- Next steps for EdgeX Ready would be to increase protocol support – that is allow people to submit EdgeX Ready applications using other protocols (Modbus, etc.).

- On Certification, the community would like to explore the option for potentially offering certification through this release cycle. Specific questions to be addressed by the Certification team for the TSC and community to move forward:
- Are there other open-source projects offering a certification? If so, what do they offer and how does their program work?
- Should the program focus on self-certification or have 3rd party administration (for fee) program? What is the target of a certification program and how does it benefit the project and the community?
- Outreach / Certification team will take the lead to answer these questions, carry out research and develop/present a potential strawman program (if required) to the community before the next planning meeting in the fall.

Jakarta Release – focus, goals, major theme/objectives

- Jakarta will be a stabilization release
- Jakarta will be an LTS release
- Jakarta will explore implementation of the service list and registry ADRs, but may only offer a design or beta implementation for the release.
- The TSC chair will organize the effort to update the LTS support policy and language and cadence over the course of the summer with a goal of having a new LTS policy (on the Wiki) by US Labor Day 2021.

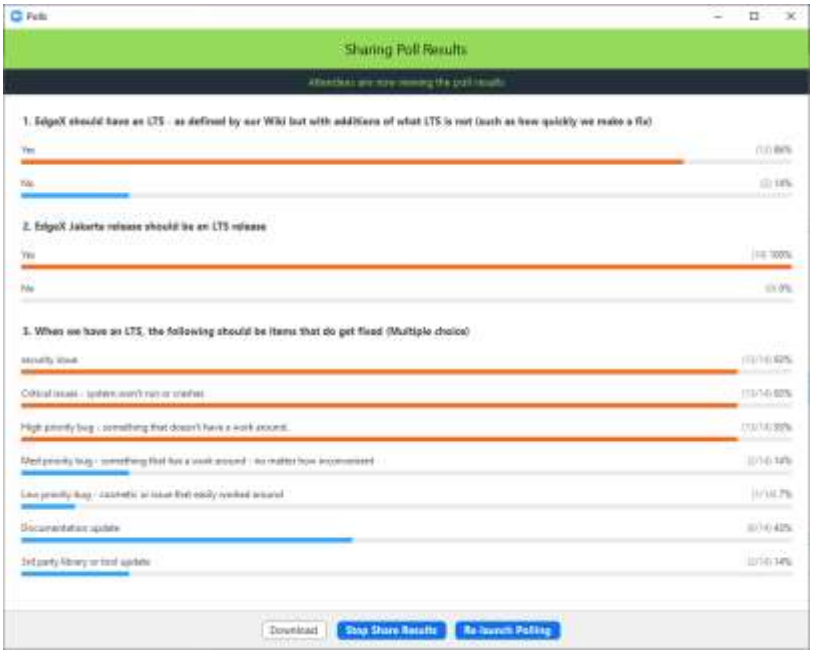
Stabilization has been defined as follows:

- No major architect changes
- Everything is backward compatible
- No new name changes
- Allowed/encouraged for this release
    - New (additive) APIs/end points
    - Performance/optimization concerns (bloat around services)
        - Explore 3rd party platforms for options
    - New config (but can't remove)
    - Performance guidance
        - Footprint per device (started with Modbus)
        - Answer these 3 performance question:
            - Will EdgeX fit on my system? - size of EdgeX services, infrastructure, etc. and hardware/platform requirements
            - What is the speed of data through the system? - from device service sensor data ingestion to the rules engine and back down through command to another device service to trigger a put command, how long does this take?
            - How many "things" can be processed at a time? – with caveats on the type of thing, type of data, etc.
    - Testing
        - Test all configuration options and not just the default config (and dynamic config changes)
        - Test features not yet tested. Examples:

        - Store forward
        - Other Device services
    - Robustness
        - Restarting of services without issue
        - Track / evaluate footprint
            - CPU
            - Memory
            - Image size
            - Especially around 3rd party

Long Term Support

The community was in agreement that EdgeX should offer LTS and that Jakarta should be an LTS release. See Zoom poll results below.



There are issues that must be addressed as part of LTS.

1. The language of the LTS support needs to be made clearer. It should be specific items such as he fact that the community offers no guarantee on timing of fixes – just best effort.
2. What should warrant a fix release (security issue, critical bug, etc.)?
3. The support period of the LTS releases (currently set at 30 months) and cadence (every two years), needs to be re-examined.
4. The cadence of patch releases needs to be defined/explored as part of the policies.
5. How we handle application services, device services, user interface components (GUI/CLI) and other EdgeX artifacts/components that release on an independent schedule must also be explored in relation to LTS.

The TSC chair will organize efforts to answer these issues and update the policy on our EdgeX Wiki by Labor Day.