EdgeX Foundry Core Working Group

(plus system management and UI)

4/29/21

Attendees:

Others may have been in attendance after roll was captured.

Agenda

Old
- Bugs and issues
- Ireland tasks update

New
- Lenny: Change to Redis as default MessageBus now?
- Bug and Backlog Triage
- ADR Service list

Old Business

Current Issues/Bugs/PRs
- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNgpc9LaMjQOwvHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0

Ireland
- Past week - focus on fixing bugs (especially on command service)
- Go Lang 1.16 has been verified
  - Individuals can upgrade as needed
  - Jim to coordinate with Ernesto today
  - Jim to use TSC next week to announcement
- Support notifications work ongoing (complete around end of May)
  - Secret provider for all for email password
- TAF tests ongoing (complete around May 15 - now estimated at 80%)
- System management - modified v1 path to update to v2 path
  - Ping/version APIs first (easy) - to resolve consul issues
  - V2 API design/model
  - Update the service APIs (config, start / stop, etc.)
  - (https://app.swaggerhub.com/apis/edgexfoundry1/system-agent/1.1.0)
  - Consumption - as part of V2 API implementation
    - Using V2 client
  - ~~SMA uses config toml to get its list of static list of services that can be augmented by env vars - with two env vars one for add and one for remove~~

- ■ Jim to verify it does work via some config file
- ○ ~~Health check under SMA - disable under configuration~~ already done
- Integration / use of V2 APIs and any issues - May & June
  - ○ Consumption points
    - ■ Core data to metadata
    - ■ Metadata to notifications
    - ■ Scheduler to core data
- Documentation - May/June
- Message bus support (with DS to App services)
  - ○ PRs started
- Test - Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland.
  - ○ Built into the new client now - env var can be set to true always be CBOR
  - ○ We'll also need Modbus in V2 in order to do the performance tests.
- CLI update to V2
- Removal of EdgeX 1.x code
  - ○ Reduce service image size (failing TAF checks in the case of command)
  - ○ Priority
    - ■ For June 30
      - ● At least remove endpoint routes in the handlers
      - ● Get rid of setting up of V1 database client (just the code to create the client)
      - ● Contracts: remove of v1 model/v1 client (could be other modules too)
    - ■ After June 30 - 2.0.1
      - ● Code for the actual endpoints
      - ● Code behind the V1 database clients

<u>Kubernetes</u> - nothing new to report
<u>UI</u> - working on Kuiper and app service integration (bringing from old UI into new)
<u>CLI</u> - nothing new to report

New Business

- Lenny: Change to Redis as default MessageBus now?
  - ○ Switch config in core data is all that it takes.
  - ○ For Ireland - Redis is default message bus
  - ○ Good to start that move now to see if we have any issues
  - ○ Performance tests would see if we have any issue in performance in this switch - but only a few messages going through the system so it may not show an issue
  - ○ Scalability tests still need to be update to V2 ("Modbus scale testing")
  - ○ **Decision**: switch now (as soon as Lenny can change it)
- ADRs - Jim to put review of both of these on upcoming agendas
  - ○ [ADR service list](#)
  - ○ [ADR metrics collection](#)
- Backlog and bug triage

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- What moves to the icebox
- Jim to remind everyone via Slack
- Next week, formally move out of Icebox or discuss issue that needs to remain