EdgeX Foundry Core Working Group

(plus system management and UI)

3/25/21

Attendees:

Others may have been in attendance after roll was captured.

Agenda

Old
- Bugs and issues
- Ireland tasks update
- Config/data/profile migration strategy

New
- CG Board
- EdgeX 1.0 code removal (out of core and supporting services)
  - Compose files - how to organize our compose files per folder - especially when there is a dot release
  - Service Provider - service key needed; additions to bootstrapping

Old Business

Current Issues/Bugs/PRs
- [https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNgpc9LaMjQOywHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0](https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNgpc9LaMjQOywHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0)
  - One open issue to triage: [https://github.com/edgexfoundry/edgex-go/issues/3281](https://github.com/edgexfoundry/edgex-go/issues/3281)
  - Jim will respond to seek more info and close accordingly.

Ireland
- V2 API - update from Cloud
  - CBOR work completed
  - Core Refactoring work left: removing created timestamp on Event/Reading
    - API in core data that is using the created timestamp (query for events by created timestamp)
    - Plan to switch query to use origin vs. created timestamp
    - Issue - origin is not required right now
    - **Decision - make it required**
    - Issue#2 - Origin is in nanoseconds; query’s are expecting millisecond;
      - **Decision** - leaning to nanoseconds because this level of accuracy might be important/needed in some use cases.
Jim to check with Steve Osselton on requirements for nanosecond TS and make sure this is documented going forward.

There is a requirement to never have clashes on timestamps (both Go and C SDK enforce this - on event and readings)

Create an issue to make sure the decisions here land in the documentation (edgex/swagger) - Jim to address

- Support/notifications work ongoing (complete around Apr 12)
- TAF tests ongoing (complete around May 10)
- Clients (just support clients left - April 12 target)
- System management (TBD)
- 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
- Configuration (for 2.0.1 release)
  - Target date???
    - August 15?? - rather than a date, just stipulate that it should be 6 weeks past 2.0 release?
  - Consul and Redis migration (go executables)
  - Use IOTech’s DCT to do profile migration
- Path to config 2.0 - April 7th (impacts TAF and app services - slack with Mike)
- 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. Lenny and Jim to work out what test for this might look like.
  - 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.
  - Question for future meeting: do we have an event client for message bus (like we have event client for REST)? Creating a dependency between go-mod-messaging and go-mod-contracts - is this ok, or a problem.

Kubernetes - nothing new to report
UI - nothing new to report
CLI - nothing new to report

New Business

- Core WG Board Review - time did not allow this to be reviewed
- Compose files - how to organize our compose files per folder - especially when there is a dot release
  - Decision - pending TSC approval next week:
    - Releases moved to branches
    - Remove “release” folder - compose files go to root
    - We need a detailed readme to explain where /how to find the compose file you are looking for
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- TSC topic for next week
  - Documentation will need to point to branch and not release folder
- SecretProvider (for all) - service key needed; additions to bootstrapping
  - We don’t have a way to get the service key to generate a Consul token
  - Need a way for the service to pass in a key to create the token
  - Jim Wang/Lenny to handle
- Removal of EdgeX 1.x code - Did not cover in this meeting due to lack of time. To be covered in the next meeting
  - Reduce service image size (failing TAF checks in the case of command)
  - At least remove endpoints
  - Timing (stretch goal for Ireland)