Core Working Group Agenda (12-July-2018)

Attendees:

TC  Trevor Conn (Host, me)
AA  Akram Ahmad (Dell)
BF  Brandon Forster (Dell)
c  ccollins
EC  Eric Cotter
F(  Fede (Cavium)
JZ  Janine Zhu
JZ  Jeremy Phelps - LF
JW  Jim White (Dell)
JD  Joan Duran
SY  Stella Yu
SO  Steve Osselton
t  tonyespy
RH  Rodney Hess
Old Business

- Readiness of export connectors (Janko / Mainflux)
  - Sent email to Keith /Janko. Needed to wait for Brett to return.
  - Brett is back, needs an estimate on required services.
  - Pending items below, waiting on account setup
    - Needs more testing / verification – Andy / Keith?
      - Requesting tools / accounts for public cloud vendors to enable testing
      - Approval has been obtained from the Board.
  - Platforms
    - Google Iot
    - Azure Iot
    - Janko to make full list and submit to Keith
      - Janko on vacation until July 9.
      - Jim passed quoting information to Keith. Keith will take to the board. Details forthcoming.
      - Will remove and take resolution offline.

- Structured log format
  - Post-Delhi
  - Will remove from this list, tracking via separate backlog

- Binary Serialization
  - CBOR is the recommendation
  - Jim has extra details
  - CBOR recommendation will be taken to TSC. Updates on next steps forthcoming.
  - Trevor deliverable – Present diagram for implementing natively end to end
    - South to northbound
    - Account for protobuf blob as reading inside of the reading
      - Overall reading encoded as CBOR (proposed)

- Code quality pipeline
  - Still looking to pursue gometalinter
  - I plan to incorporate this into my work for Delhi features.

New Business

- Package restructuring is underway for separation of external/internal models and encapsulation.
  - PR #369
  - If you have an external application that directly imports edgex-go packages, you may need to repoint your references.
- Trevor to follow up with Tony as work to map from external to internal gets underway.
  - Confirm future direction for Docker deployments to NOT comingle dependent platform with EdgeX service into one container
    - Example – Consul + Config-seed
    - Example – Mongo + Mongo-seed
      - Work item to split these images into separate Docker containers
      - Update architectural guidelines to require separation of platform from init services
    - This is because of difficulty experienced in both local and CI/CD troubleshooting during California release.
    - Tony: Agreed from a Docker perspective. But when running in a Snap everything is in one “container”.
  - Discuss Java service support and POM dependency mgmt.
    - POM versions weren’t even incremented for services not included in California release
    - By Delhi, these services’ APIs will be out of sync with RAML and Go implementation.
      - Updates to address this are not on anyone’s roadmap
    - Agreed to abandon the platform services (??) Needs TSC vote.
      - Device Service Go/C SDK with examples are required.
      - Agenda Item for DS WG Meeting, possibly TSC
      - Any ideas for additional resources to get us through this push?
        - Jim might have more information next week.
  - Does our Influx DB integration actually work?
    - Feedback from Palo-Alto F2F is that it does not.
    - Is anyone actively using this? If not, can we remove?
      - ToDo for Steve – Please ask local team member to verify. Send response to Trevor.
  - Export services logging is different from other services
    - See https://github.com/edgexfoundry/edgex-go/issues/328
    - Also, services do not log to the shared volume when deployed via Docker
    - Tony: Even in Snap deployment, logs go into vapor
    - No objection on the call to standardizing logging service integration in Export for Delhi. Make it so!
      - Jimbo White – deputy head cruncher
  - Discuss Release Manager function
    - Purpose/scope of the role
    - Need a volunteer from member company
    - Background from Michael Hall
• Looking into role from other LF projects. How does this work for them?
• Lightweight role to ensure smooth workflow, but acknowledged our definition isn’t clear.
• Preparation of release notes
• Example: California, no formal release announcement process
• Will take up in detail on DevOps call
  o Monday @ 1pm

○ InstantEdge Proposal from QuarkData
  • Will this be in Go?
  • They say “embed with old export services” several times in their proposal.
    • See above RE: Java service support
  • Confirm deployment on Gateway versus Core/Fog
  • They need data exported to them. Every organization seems to want data in a different way. We don’t want export-service blowing up to support every preference. Would marketplace be a better direction?
  • Stella – Hitachi exposes a structure for ingestion
    • Integrators have to map to that structure via adapter
  • Recommended marketplace approach. Will come back via TSC for vote later.

○ ARM64 status?
  • Jeremy working on patches for Jenkins to enable multiple builds
  • Rules Engine