Core Working Group Meeting Notes (29-Nov-2018)

Attendees:

- EdgeX Working Group 1 (Host, me)
- Rodney Hess
- Michael Hall - LF
- Akram Ahmad (Dell)
- André Srinivasan
- Brandon Forster
- Bruce Huang
- Daniel Harms
- David Urbina (Intel)
- Emad Attia (Intel)
- Eric Cotter
- ijohnson
- Jim Wang
- Jim White
- Keith’s iPhone
- Lenny Goodell (Intel)
- Michael Estrin
- tonyespy
Old Business

- Progress Updates
  - Logistics RE: blackbox tests
    - Combining repos, etc – No progress from my end due to last minute Delhi work and other priorities
    - No changes to Contributor Guidelines either (Trevor)
      - Although, probably won’t really start enforcing this until we get into Edinburgh deliverables in earnest.
  - Decoupling models from Mongo types (PR 856)
    - Covers the whole core-data service
    - Blackbox tests were modified in tandem with this PR (PR 109)
    - FORGOT TO COVER THIS LAST TIME -- On outdated Mongo driver, it looks like a community supported fork is available here
      - https://github.com/globalsign/mgo
      - Should we investigate an upgrade?
      - If so, I can create an issue to track it. Who will do the work?
        - Trevor to create an issue, will put a “help wanted” label on it.
        - Lenny says his team has done this same thing and it was relatively painless.
  - Logging as key/values via GoKit (PR 787)
    - Ongoing
    - Recap of comments from last meeting
      - Tony question – Is it possible to conditionally display fields within the log entry?
      - Lenny asked about underlying log provider in GoKit (log-rs? Intel using this)
      - Telegraf log parser
      - No objection to direction from community
        - Needs further work to develop additional formats, etc
  - Abstraction Layer for Consul (Issue 797)
    - Any updates / questions?
      - Lenny from Intel volunteered
      - Intel will take it on, still reviewing issue and scope.
        - Get Lenny added to the project via Github (lenny-intel) for issue assignment and trackability.
• CBOR
  ▪ Lenny – Any chance to review docs from wiki site? Any questions?
  ▪ Neeley and Gabe from Intel to take it on
    ▪ Need to get them into GitHub
    ▪ Work with Michael Estrin from Dell

New Business

• Consul configuration changes in real time
  ▪ We’ve had two examples of this so far
    ▪ ZeroMQ port change (didn’t work due to client)
    ▪ MetadataCheck = true in order to validate device name when receiving an event.
  ▪ If we’re going to flesh out what keys may need to be read-only, now’s the time to start.
  ▪ Setting levels
    ▪ Read-only never change (code)
    ▪ Read-only, restart
    ▪ Real-time writable
      ▪ The change should always take effect right away, no mixed SLA
  ▪ Service client bootstrapping
    ▪ Inconsistency
      ▪ Bootstrap – clients init from config
      ▪ Monitor – clients refresh from Consul
      ▪ If Consul = Y
        ▪ Both should happen from Consul
      ▪ If Consul = N
          ▪ Clients init from config always
          ▪ Potentially monitors don’t fire either TBD
  ▪ Trevor to create proposal summary of the above discussion to start requirements
    ▪ Versioning (properties moving from readable to writeable vice-versa)

• Updates to Events/Readings
  ▪ It is my view that events / reading should be immutable
  ▪ I understand event update for export timestamp
    ▪ However, I think this should be an enriched event in a data collection underlying export-distro and not be an update through core-data.
    ▪ Refactoring Event/Update --> Event update push date OK
    ▪ Aggregated updates versus audit log
      ▪ Can this be controlled via a setting for EdgeX deployment at different layers (edge – fog – cloud)
• Total event update on / off (by default)
  o I don’t see why we’d update or delete readings but the API supports it.
    ▪ Why delete reading independent of its parent event?
    ▪ Some readings misleading, clean the reading without impacting the others on the event (Jim)
  o What can we decide on for the Edinburgh 1.0 milestone?