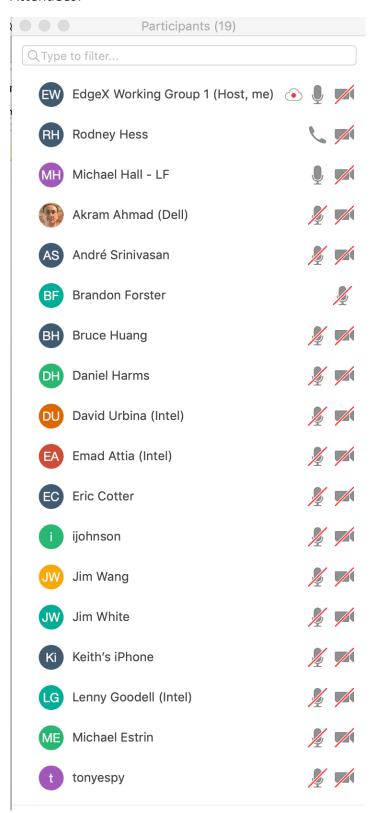# Core Working Group Meeting Notes (29-Nov-2018)

Attendees:

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    - FORGOT TO COVER THIS LAST TIME -- On outdated Mongo driver, it looks like a community supported fork is available here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*
        - *https://www.influxdata.com/blog/telegraf-correlate-log-metrics-data-performance-bottlenecks/*
      - *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.*

- o 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
  - o 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.
  - o If we're going to flesh out what keys may need to be read-only, now's the time to start.
  - o *Setting levels*
    - ▪ *Read-only never change (code)*
    - ▪ *Read-only, restart*
    - ▪ *Real-time writable*
      - • *The change should always take effect right away, no mixed SLA*
  - o *Service client bootstrapping*
    - ▪ *Inconsistency*
      - • *Bootstrap – clients init from config*
      - • *Monitor – clients refresh from Consul*
      - • *If Consul = Y*
        - o *Both should happen from Consul*
      - • *If Consul = N*
        - o *Clients init from config always*
        - o *Potentially monitors don't fire either TBD*
  - o *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
  - o It is my view that events / reading should be immutable
  - o 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)*
  - 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)*
  - What can we decide on for the Edinburgh 1.0 milestone?