Core Working Group Meeting Notes (21-Nov-2019)

Attendees:

Participants (21)

TC	Trevor Conn (me)
	Michael Estrin
RH	Rodney Hess
t	tonyespy
	Akram Ahmad (Dell)
AS	André Srinivasan
AB	Anthony Bonafide
	Brandon Forster
DR	Dave Rensberger
DA	Diana Atanasova
EC	Eric Cotter
JB	Jason Bonafide
JW	Jim Wang
JW	Jim White
JP	Joe Pearson (IBM)
LR	Lisa Rashidi-Ranjbar
MJ	Mike Johanson
S	Steve

Old Business

- Proposal discussion: Common service bootstrap / DI container provided via Go module (Michael @ Dell)
  - Review any progress on draft work proposed at last week's meeting
  - *Reviewed with community, agreement to put Michael's draft work into a go-mod-bootstrap repo in "holding". Trevor to initiate request with LF.*
- Design review *go-mod-registry* (Lenny on vacation)
  - https://github.com/lenny-intel/edgex-go/blob/RefactorRegistry/adr/Registry%20Refactoring%20Design.md
  - Discussed during last week's Application Services WG call
  - Contention on how "configProvider" should be specified (cmd line only versus file)
  - *Suggestion to punt this to the December Architectural WG*
    - *Concern to align implementation across platform*
    - *Discuss two different perspectives related to cmd line only/service population of configuration versus file persistence.*
    - *Discussed that the interval of Architects Meeting may need to shrink, bi-weekly instead of monthly. Could be challenging during Holidays.*
    - *Add a meeting on December 4th for this topic (Jim W.)*

New Business

- ***Heads up – No meeting next week (Thurs, Nov-28)***
  - ***Thanksgiving in USA***
- Choice of topics (Trevor can facilitate either)
  - How to deal with typing information previously found in value descriptors
    - See new Reading definitions in proposed core-data Swagger
      - https://github.com/tsconn23/edgex-geneva-api/blob/master/core-data.yaml
    - What about server-side validation? Data of correct type, within range, etc. What is this mechanism if not the value descriptor?
    - *Review of Reading properties*
      - *SimpleReading*
        - *Remove uomLabel, formatting*
      - *OK with Binary/Reading types being exclusive*

- *ValueDescriptor historically has been a de-duplication mechanism for specifying typing information. If we move it to the DeviceProfile, you could have that definition replicated many times. Is there still a way to carry this basic type constraint definition forward in a manner where the definition is still unique?*
- *Discussed the idea of reading templates that would serve as building blocks for a device profile (temperature, vibration, light)*
- *Discussed idea of recrafting a shared, unique type constraint definition as a stretch for Geneva. Validation criteria can be sourced from the Device Profile, but some investigation needs to be done to ensure this is efficient.*
- *Question – In a scenario where DS is publishing directly to App Services, is event/reading validation simply not a thing? Is this a primary responsibility of core-data*
  - Dynamic device provisioning
    - Trevor has a few different proposed workflows to share
      - *Didn't make it this far*
- Any new business?