Core Working Group Meeting Notes (30-May-2019)

Attendees:

Old Business

- CapEx (Keith brought this up on TSC call 22-May)
I was unclear of the items to which this might apply

**Tooling expenses, outside resources / services**
- Prep for Stage 3 project in LF
- Deadline TBD (end of June)

**Translation services**
- Good idea but keeping it updated may not be sustainable
- Malini’s feedback was that English docs weren’t hard to consume but that content was outdated.

Michael Hall
Slack ??

**New Business**
- Review High-level Fuji deliverables
  - No sense of priority / sequencing on these yet, for the most part
- Deliverables list
  - Move to Go 1.12 (possible 1.13) (DELL)
    - Change service Dockerfiles
    - Update Snap scripts
    - Send note to Andy, can this be done in the testing area first?
  - No planned feature changes to Export services at all for this release
    - Bug fixes if necessary
    - Targeting deprecation after Edinburgh support ends
    - When is this BTW? Is Edinburgh LTS?
    - **LTS is a TSC question, need a decision/discussion on this.**
- Core / supporting services
  - Upgrade Consul to version 1.5 (DELL)
  - Complete Device / DeviceProfile rework (VMWare)
    - [https://github.com/edgexfoundry/edgex-go/projects/10](https://github.com/edgexfoundry/edgex-go/projects/10)
    - In scope for Fuji
  - Similar issue for Device / DeviceService
    - [https://github.com/edgexfoundry/go-mod-core-contracts/issues/40](https://github.com/edgexfoundry/go-mod-core-contracts/issues/40)
    - Unsere if included for Fuji, needs a resource
  - Value descriptor creation only in core (out of DS) (DELL)
    - Remove responsibility from device service for creating value descriptors
    - Refine handling/consistency of value descriptors per the following issue
      - [https://github.com/edgexfoundry/edgex-go/issues/1071](https://github.com/edgexfoundry/edgex-go/issues/1071)
  - Change event/readings to use nanoseconds in all timestamp fields (DELL)
• Interlock with Device Services (need resource from that team)
• Agenda item for Monday meeting

- Device provisioning support (blacklists, etc)
  • [https://github.com/edgexfoundry/edgex-go/issues/826](https://github.com/edgexfoundry/edgex-go/issues/826)
  • Need more definition from the Device Service team as to what is required in the core services for this effort.

- Agenda item for Monday meeting
- Need use cases defined before any implementation begins
  - Who is the owner of the use cases – presumably coming from the Device Service team?
  - Discuss necessary changes to Device SDK and then what is needed from Core to support that.

- Provide watchers / callbacks for device metadata changes (stretch)
  - Have yet to obtain concrete definition of need
  - This won’t happen unless it’s well scoped and we have an actual use case.
  - Is this something that UIs will need? Why aren’t any representatives from the UI teams ever present in the working group calls?
    • Should we bring this up to the TSC?
    • RE: Cloud – Clojure UI, do we put an unrelated agenda item on meeting where he’s present? QA or DevServices?

- Move API documentation from RAML to Swagger
  - Would IOTech (Andy or Cloud) be willing to sponsor?

- Metrics on Service Performance
  - Need definition of metrics to be captured from QA/Test so desired counters can be implemented
  - Would IOTech (Andy or Cloud) be willing to sponsor?
    • Attend QA/Test meeting this afternoon and raise this point for definition (Trevor)

- Improve unit test coverage (DELL)
  - Codecov.io stats are being published now
  - Trevor working on a proposed pattern for refactoring existing functionality (and new features going forward) to make logic more testable.
    • Trevor to hopefully submit pattern next week for community review

- Rules Engine
  - Still no firm direction
  - Would someone like to prototype JSONLogic or Lua scripting?
    • Looking for volunteers
    • If no solution for Fuji and we stay with existing rules engine, it will need to subscribe to the app-functions-sdk
    • App Functions group willing to assist in prototype
      • Hashicorp Plugins (Lenny @ Intel)
• See Box 1 / Box 2 below

• Question – Should security services be folded into edgex-go?
  ▪ No viewpoint yet
  ▪ Haven’t quantified whether there are code reuse/organizational benefits
  ▪ Positives
    • Would ease Jenkins mgmt. (fewer jobs, branches, etc)
    • Could leverage code coverage metrics in edgex-go
    • Additional visibility to security services
      o Example, code doesn’t conform to same standards (better quality)
  ▪ Proposed to make a recommendation to security group for move
    o Need some input and research from Security group
    o If targeted for Fuji, could impact the Edinburgh dot release.
  ▪ Negatives
    • Mixed ownership – PRs and code overlap
  ▪ Things we will not be focusing on
    o High availability
    o Plugins
      ▪ This restricts our ability to embrace other providers within EdgeX
      ▪ Our hands are tied due to lack of support from Go Core Language Team

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<thead>
<tr>
<th>Box 1</th>
<th>Box 2</th>
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<tbody>
<tr>
<td>Core-data</td>
<td>Redis</td>
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<tr>
<td>Redis-provider (plugin)------</td>
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<td></td>
<td>Mongo</td>
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** Is it possible to utilize interface defined in Core with vendor provided plugin / module **
** Research project **