

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

Attendees:

Initials	Name	Audio	Video	Chat
TC	Trevor Conn (Host, me)	On	Off	On
AS	André Srinivasan	Off	Off	On
AB	Anthony Bonafide	Off	Off	On
	Brandon Forster	Off	Off	On
D	Danube	Off	Off	On
EC	Eric Cotter	Off	Off	On
JW	Jim Wang	Off	Off	On
JW	Jim White	Off	Off	On
LG	Lenny Goodell (Intel)	Off	Off	On
	Michael Estrin	Off	Off	On
R	Rebekah	Off	Off	On
RH	Rodney Hess	Off	Off	On
M(Mike (Intel)	Off	Off	On

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 - *Malini's feedback was that English docs weren't hard to consume but that content was outdated.*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>
 - *In scope for Fuji*
 - Similar issue for Device / DeviceService
 - <https://github.com/edgexfoundry/go-mod-core-contracts/issues/40>
 - *Unsure 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>
 - 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>
 - 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*
 - *Example, code doesn't conform to same standards (better quality)*
 - *Proposed to make a recommendation to security group for move*
 - *Need some input and research from Security group*
 - *If targeted for Fuji, could impact the Edinburgh dot release.*
 - Negatives
 - Mixed ownership – PRs and code overlap
- Things we will not be focusing on
 - High availability
 - 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

Box 1

Core-data

Redis-provider (plugin) ----->

Box 2

Redis

Mongo

Mongo-provider (plugin) ----->

** Is it possible to utilize interface defined in Core with vendor provided plugin / module **

** Research project **