

Core Working Group Agenda (19-July-2018)

Attendees:

Participants (14)

Type to filter...

Initials	Name	Video	Audio	Phone
TC	Trevor Conn (Host, me)	On	Muted	Off
	IOTech	Off	Muted	Off
JZ	Janine Zhu	On	On	Off
AF	Andrew Foster	Off	Muted	Off
c	ccollins	Off	Muted	On
RH	Rodney Hess	Off	Muted	On
BF	Brandon Forster	Off	Muted	Off
EW	EdgeX Working Group 1	Off	Muted	Off
EA	Emad Attia	Off	Muted	Off
i	ijohnson	Off	Muted	Off
JW	Jim White (Dell)	Off	Muted	Off
m	mhall	Off	Muted	Off
SY	Stella Yu	Off	Muted	On
t	tonyespy	Off	Muted	Off

Mute All Unmute All More ▾

Old Business

- Update on public cloud Export Connector Endpoints
 - Parent LF account registered with Azure, invoicing and account mgmt. is being configured
 - Suggestion from Brett/Eric that EdgeX community create account in Google Cloud. Once that's done, it can be linked to LF's invoice system.
 - Thoughts? Need someone to take this on → **Andy Foster to follow up with Brett/Eric**
- Binary Serialization
 - CBOR is the recommendation, vote confirmed by TSC
 - Trevor deliverable – Present diagram for implementing natively end to end
 - South to northbound
 - Account for protobuf blob as reading inside of the reading
 - Overall reading encoded as CBOR (proposed)
 - Hitachi confirmed MQTT would be the primary device protocol, but could also be HTTP
 - **The attributes shown on the diagram will be part of the binary payload, not individual value descriptors**
 - **We won't be adding new fields to capture these elements**
 - **MIME-Type in a value descriptor? May not be feasible in the existing objects.**
 - **Discussion on persistence of binary payload as base64 within Mongo**
 - **Is this feasible to store in the same catalog with other events?**
 - **Research capabilities of blob handling in Mongo**
 - **Possible need for fault tolerance. What about data loss?**
 - **No store and forward capability right now in EdgeX**
 - **Hitachi has requirement for this.**
 - **Replacing 0MQ w/MQTT could add value here**
 - **Storage size implications. Configurable setting?**
 - **Will there be queries on the actual binary data?**
 - **Question regarding just passing through CBOR from MQ to upstream cloud. Depends on whether enrichment is required.**
 - **Incorporate feedback and revisit at next meeting. Discussion of possible timelines.**
- Package restructuring is underway for separation of external/internal models and encapsulation.
 - Core/support services have been moved.
 - *Export services still need to be moved.*
 - *Just starting work on domain → external model translation*
 - *Haven't forgotten Tony asked to review*

- Confirm future direction for Docker deployments to NOT comingle dependent platform with EdgeX service into one container
 - Example – Consul + Config-seed
 - Example – Mongo + Mongo-seed
 - Work item to split these images into separate Docker containers
 - <https://github.com/edgexfoundry/developer-scripts/issues/65>
 - *Tag as help wanted (Jim)*
 - Update architectural guidelines to require separation of platform from init services
 - *Not done AFAIK*
- Export services logging is different from other services
 - See <https://github.com/edgexfoundry/edgex-go/issues/328>
 - Also, services do not log to the shared volume when deployed via Docker
 - No objection on last call to standardizing logging service integration in Export for Delhi. Make it so!
 - <https://github.com/edgexfoundry/edgex-go/issues/328>
 - *NOTE: local service logging that writes to the file system could be mapped to the volume file system, same as support-logging*
- Discuss Java service support and POM dependency mgmt.
 - POM versions weren't even incremented for services not included in California release
 - By Delhi, these services' APIs will be out of sync with RAML and Go implementation.
 - Updates to address this are not on anyone's roadmap
 - Agreed to abandon the platform services (??) Needs TSC vote.
 - Device Service Go/C SDK with examples are required.
 - Agenda Item for DS WG Meeting, possibly TSC
 - *Any ideas for additional resources to get us through this push?*
 - *Jim might have more information next week.*
 - *Targeting for Delhi is to have sample device services in C/Go, eliminating need for legacy Java device services*
 - *Remove for now*

New Business

- FYI – First draft of configuration V2 structure is done. May be possible to present to the community next week for comment.
 - Vault/Consul interaction and handling of secrets is an open question
- Scope of 0.6.1 release
 - Scheduler

- Notifications
- DevOps
 - ARM artifacts
- Code commit end of July, release early August?