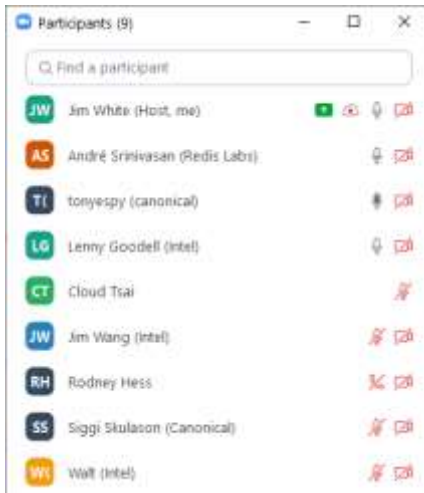




12/3/20

Attendees:



Others may have been in attendance after roll was captured.

## Agenda

### Old

- Meeting schedule
- Bugs and issues
- V2 API update
- UI update
- Kubernetes update
- CLI update

### New

- Message bus ADR
- Core WG board
- December schedule
- Ireland tasks

## Old Business

Cancelling next week's meeting - Jim out

Cancelling Dec 24 and Dec 31 meetings as well due to holidays.

## Current Issues/Bugs/PRs

- edgex-go
  - Fixed issue
    - Issue [#2911](#), [v1 metadata] core-metadata container exits after updating deviceService adminState.
    - Issue [#2903](#), [V2 data] Update corresponding V2 API per the recent changes from Reading DTO/Model.



(plus system management and UI)

- Issue [#2904](#), [V2 data] Implement GET /reading/count V2 API.
- Working issue
  - Issue [#2895](#), [V2 data] Implement GET /reading/all V2 API.
  - Issue [#2909](#), [V2 metadata] Implement GET /deviceprofile/model/{model} V2 API.
- Go-mod-core-contracts
  - Fixed issue
    - Issue [#376](#), [V2 data] Add a new CountResponse to replace EventCountResponse and ReadingCountResponse.
    - Issue [#370](#), [V2] Modify the fields in Reading DTO and Model.
    - Issue [#372](#), [V2] Remove base64 encoding for float value.
- Go-mod-registry
  - New issue
    - Issue [#64](#), Custom Health Check Registration.
- [Go-mod-messaging](#)
  - Working issue
    - Issue [#76](#), ZeroMQ send might be interrupted by system call after Go v1.14.
- As a result of modbus scalability testing
  - Goroutines are now asynchronously preemptible
  - <https://github.com/edgexfoundry/go-mod-messaging/issues/76>
    - Options: GODEBUG=asyncreemptoff=1, retry, use new 0MQ lib
    - ? - does it happen on the publish of the event; Yes
    - What causes the call to be preemptive? Answer to this could be helpful to make decision on how to address.
  - Failed to push event - too many events that core data can't keep up
  - <https://github.com/edgexfoundry/device-sdk-go/pull/661>
  - <https://github.com/edgexfoundry/device-sdk-go/issues/657>
    - Options: increase buffer, retry, ?
    - Do we have the concept of flow control?
  - On both of these issues, more to research. Will continue to revisit in Core WG.
    - May just be about providing guidance to user on how to avoid or reduce the issue or to switch to MQTT with broker when message bus is in place.

#### V2 API update

- Per last meeting:
  - Event Scrub API work ongoing
  - Deletion API working
  - Started Client lib for go mod contract
- Issues per Cloud
  - Reading labels- the BaseReading object contains labels and it would be the query condition. I don't think it is useful in reading, and it would eat lots of space. May we remove it?
    - Propose get rid of query by label on Reading due to memory it takes to provide index (in Redis)



(plus system management and UI)

- Pointer to the data is what is using memory
- **Decision:** remove label and query
- Get Reading by ValueType API- I don't see the reason to use this API and it needs lots of space in Redis to support it. May we remove it?
  - Query by value type - need to query by resource name but by "int"?
  - **Decision:** remove the query
  - **Decision:** But add a query by resource name
- Today:
  - Reading queries - WIP
  - Device profile query (by manufacturer and model)

#### Kubernetes

- Draft deployment file available - ready for test and review before documenting and putting in examples.

#### UI

- Moving to new framework (Angular - with Go backend)
  - Rationale:
    - Developer knowledge in PRC
    - Improve loose coupling between the UI skin and backend
    - More likely to help support both security and no-security with Golang backend.
    - Support bidirectional network communication using websocket with Golang coding
  - Focus will now be on:
    - 1 - update the UI (with the new framework) to use the new V2 APIs
    - 2 - add the device wizard (per Shengqi's prototypes)
    - 3 - add the data visualization (per Shengqi's prototypes)
    - 4 - incorporate the color schemes/fonts/branding of the new EdgeX Web site in the UI.
    - 5 - provide a link to the new EdgeX ready program and tools when it is ready (to be done by early first quarter 2021)
- UI and Snap issue - per Slack message
  - Today, we are not shipping UI with snap
  - Going forward, snap team will explore how best to release UI for snap (probably release it independent)
  - Jim to respond to slack

#### CLI - now released

- No new update; working on documentation (for docs.edgexfoundry.org)



## New Business

- Slack message this morning: “hello everyone. I'am now running edgex hanoi with redis database. After sending some (a lot?) data to a device, redis consume too much memory, is my usecase sane? How can I limit data cached in redis? note, my data needs to be saved to disk.”
  - **Jim** to draft up some stuff to put in the edgex docs
- MB ADR - reviewed outstanding issues; all issues should now have resolution and Lenny to do final clean up.
- Cleaned our board
  - Questions about these
    - <https://github.com/edgexfoundry/edgex-go/issues/2876>
    - <https://github.com/edgexfoundry/go-mod-registry/issues/64>
    - Addressed and moved to backlog
- Ireland tasks - added/updated all the issues and put on our dashboard