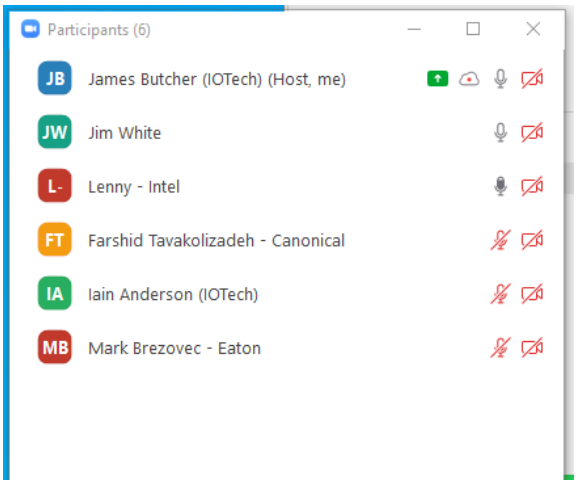
EdgeX Foundry Core Working Group

*(plus QA/Test, System Management and UI)*

# 9th June 2022

## Attendees




## Agenda

- TAF Status
  - Functional tests: 594 - all passing
  - Integration tests: 47 - all passing
  - Performance tests: 10 - all passing
- Agree metrics produced by Core Services
- North South Message Bus Tasks
- Any Other Business

## Metrics

- Currently: Core Data's persisted events and reading

### General - The following metrics apply to all (or most) services

- **Service uptime (time since last service boot)**
  - **Not considered here because often covered by external tools like "docker ps", the TIG stack and Portainer Edge, etc**
  - **Jim: There is also System Management discussion to be also had (next architect's meeting)**
- **Cumulative number of API requests succeeded / failed / invalid (2xx vs 5xx vs 4xx)**
  - **Failures is the most important part of this**
  - **TBD whether this is defined for each individual API or per service**
  - **Jim: Are we concerned about Internal or External Endpoints? In the case of External, doesn't Kong cover this?**

        - **Can we just defer to Kong? To be agreed - but of course this would only apply in secure mode**
        - **What is the use case for these metrics? Is it just being made aware of an internal issue.**
        - **Good to check with adoptors if all non-security users still apply their own Reverse Proxy?**
- **Avg response time on APIs**
- **Avg and Max request size**
- **Avg and Max response size**
    - **Lenny: These 3 need to be endpoint specific. Good to report a single metric but have the endpoint name in the tagged data (as per App Services approach)**
    - **And be picky about which ones have them. We need to do an exercise of passing through all APIs for yes/no if they need a metric**

### Core/Supporting Services

- **Latency (measure of time) an event takes to get through core data**
- **Latency (measure of time) a command request takes to get to a device service**
    - **Jim: Can correlation ID can help here?**
    - **Lenny: Think response time metrics (from first section) can cover these**
- **Indication of health – that events are being processed during a configurable period**
    - **Lenny: Not needed as can be derived from the below items**
- **Number of events in persistence – already done in Kamakura**
- **Number of readings in persistence – already done in Kamakura**
- **Number of validation failures (validation of device identification)**
    - **Shouldn't be considered here. The API should just return an error. Look up why in the logs. Not really a metrics task**
- **Number of notifications handled successfully**
- **Number of failed notification transmissions**
- **Number of notifications in queue**
    - **Lenny: Above 3 are a group**
- **Schedulers**
    - **Lenny: should track successful interval actions vs failed actions**

## Ticket Status

- Core WG Project Board
    - go-mod-core-contracts
        - Fixed issues
            - #725 Reading value field should allow empty string
            - #728 Improve the string concatenate logic in ToLineProtocol function
        - Fixed issues
            - #52 MQTT Implementation doesn't handle different Pub/Sub hosts
    - edgex-compose

        - New Issues
            - #248 TUI: service names saved only as a single string within the first element of bash arrays
    - edgex-docs
        - New issues
            - #778 fix broken links in Kamakura/Levski
    - edgex-go
        - In Progress issues
            - #4037 REST API output messages is not matching with messages available in swagger 2.1.0
- QA/Test Issues Project Board
    - edgex-taf
        - Fixed issues
            - #677 Update run-tests.sh for the main/jakarta/kamakura branch