



16th June 2022

Attendees

- James Butcher (IOTech)
- Jim White (IOTech)
- Lenny Goodell (Intel)
- Jim Wang (Intel)
- Marc Fuller (Intel)

Agenda

- TAF Status
 - Functional tests: 594 - all passing
 - Integration tests: 47 - all passing
 - Performance tests: 10 - all passing
- New QA/Test Procedures Page
 - <https://wiki.edgexfoundry.org/display/FA/Testing+Overview>
- Core Metrics: Run through APIs?
 - Summary of last week's discussion below. **Today's additions in red bold**
 - Start here for APIs: <https://docs.edgexfoundry.org/2.2/api/Ch-APIIntroduction/>
- Any Other Business

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 adopters if all non-security users still apply their own Reverse Proxy?
 - **Decision 6/16/22: Defer any metrics here until after Levski. Get feedback from adopters on the metrics added in this cycle first**
- 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
 - **Decision 6/16/22: enable for all APIs provided can be done at the middleware layer. Easier to do this than have different behaviour for different APIs**

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?
 - **Decision: 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-messaging
 - New issues
 - [#152](#) Optionally Exclude 0mq From Build
 - [#151](#) support unsubscribe by topics
 - Fixed issues
 - [#153](#) On an error the MQTT implementation sends empty envelope in addition to the error sent
 - go-mod-bootstrap
 - Fixed issues
 - [#345](#) Add Histogram to supported metric types
 - go-mod-core-contracts
 - Fixed issues
 - [#728](#) Improve string concatenate logic in ToLineProtocol function
 - edgex-docs
 - New issues



- [#778](#) fix broken links in Kamakura/Levski
 - Fixed issues
 - [#599](#) Add documentation on how to run on Windows
 - edgex-compose
 - New Issues
 - [#251](#) Compose Builder is not generating correct image names for ARM64
 - Fixed issues
 - [#248](#) TUI: service names saved only as a single string within the first element of bash arrays
 - edgex-go
 - Fixed issues
 - [#4037](#) REST API output messages is not matching with messages available in swagger 2.1.0
- QA/Test Issues [Project Board](#)
 - edgex-taf
 - IN progress issues
 - [#541](#) Update ASC functional tests to use new aes256 Encrypt algorithm