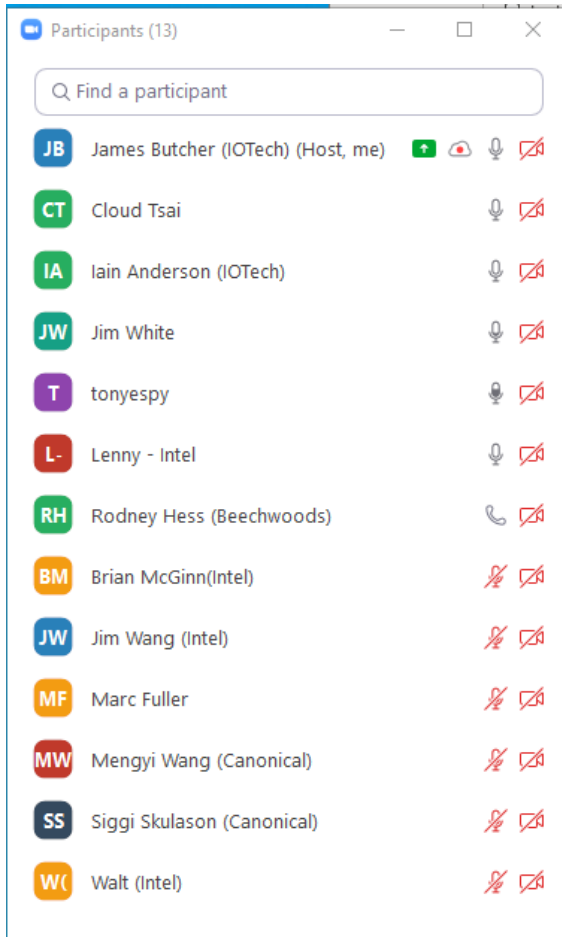




14th Oct 2021

Attendees



Agenda

- TAF Status - All passing
 - Passing: 542 Functional, 36 Integration, 10 Performance
- CORS discussion
 - `CORSAllowedMethods = "GET, POST, PUT, DELETE"`
 - **Include PATCH in above and implement for Jakarta**
- Core WG [Project Board](#)
 - go-mod-bootstrap
 - New issues
 - [#280](#) Add "make lint" target and add to "make test" target
 - [#281](#) Enable CORS access to EdgeX microservices
 - go-mod-configuration

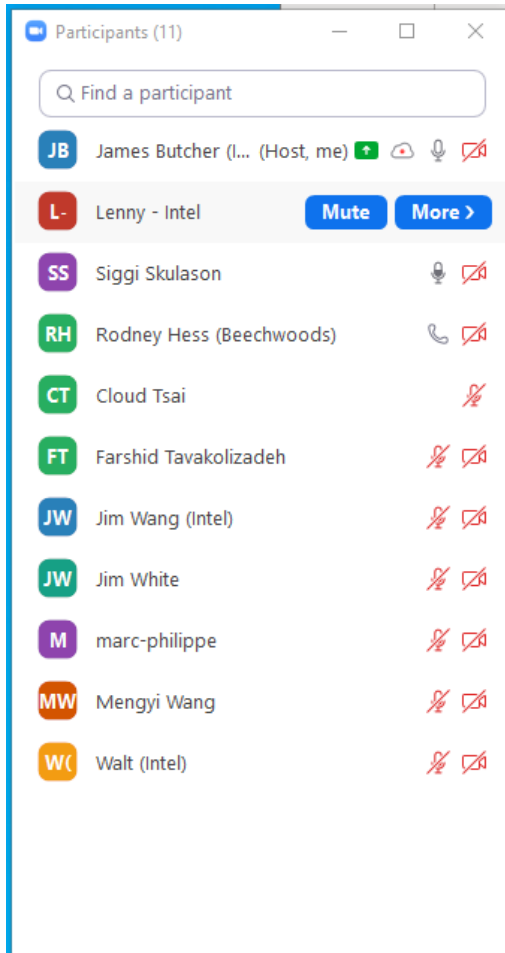


- New issues
 - [#52](#) Add "make lint" target and add to "make test" target
- go-mod-registry
 - New issues
 - [#86](#) Add "make lint" target and add to "make test" target
- go-mod-core-contracts
 - New issues
 - [#667](#) Add "make lint" target and add to "make test" target
 - [#669](#) [V2] Add totalCount field into Multi instance response DTO
 - Fixed issues
 - [#665](#) Support object value types in Reading
- go-mod-secrets
 - New issues
 - [#129](#) Add "make lint" target and add to "make test" target
- go-mod-messaging
 - New issues
 - [#118](#) Add "make lint" target and add to "make test" target
- edgex-go
 - New issues
 - [#3716](#) Core Command crash when sending command to Device Camera, and camera is offline
 - [#3693](#) New API to search Reading by multiple ResourceNames
 - [#3237](#) feat(data): Make MaxEventSize a service configuration setting
 - [#3692](#) Add Get Transmission by Notification id API
 - [#3641](#) Update lastConnected should not trigger the DS callback
 - [#3750](#) not able to delete device's autoevent when no empty part
 - [#3752](#) Allow defining device commands more broadly not limiting them to getter/setter methods only
 - [#3753](#) Support object value type in Set Command
 - [#3754](#) Allow Get Command to pass parameters in the payload
 - Fixed issues
 - [#3679](#) Support object value types in Reading
 - [#3719](#) Correct the core-metadata Device API example
- edgex-compose
 - New issues
 - [#190](#) Expose Consul UI on the host when EdgeX is operating in secure mode (Docker)
- edgex-taf
 - Fixed issues
 - [#525](#) Remove write binary from sample profile



07th Oct 2021

Attendees



Agenda

- TAF Status
 - Passing: 505 Functional, 34 Integration, 10 Performance
 - Failed: 37 Functional, 2 Integration
 - Still Jenkins issues
 - LF Infrastructure issues?
 - Jenkins issues preventing building of new images for testing
 - The tests failed might relate to
 - [#525](#) Remove write binary from sample profile
 - [#136](#) The sample profile should contain read, not write permission
- CORs implementation on go-mod-bootstrap
 - <https://github.com/edgexfoundry/go-mod-bootstrap/issues/281>



(plus QA/Test, System Management and UI)

- Dependabot issues raised as new issues
 - Go 1.17 update?
 - Decision to keep with 1.16 for Jakarta. Not as easy as thought to test the upgrade
 - Others (e.g. Consul) also moved to Kamakura

- CLI Status
 - Core Data PR ready for review
 - + Snaps TAF PR

- Device Profile Updates
 - Needs an ADR to cover all cases. Discuss in Kamakura planning meeting

- Core WG [Project Board](#)
 - go-mod-contracts
 - Fixed issues
 - [#661](#) Use generic interface in the Event Tagging value
 - [#665](#) Support object value types in Reading
 - go-mod-bootstrap
 - New issues
 - [#281](#) Enable CORS access to EdgeX microservices
 - edgex-go
 - New issues
 - [#3705](#) edgex with prometheus
 - [#3719](#) Correct the core-metadata Device API example
 - [#3716](#) Core Command crash when sending command to Device Camera, and camera is offline
 - [#3693](#) New API to search Reading by multiple ResourceNames
 - [#3237](#) feat(data): Make MaxEventSize a service configuration setting
 - [#3692](#) Add Get Transmission by Notification id API
 - [#3641](#) Update lastConnected should not trigger the DS callback
 - Fixed issues
 - [#3726](#) [Core data] Use generic interface in the Event Tagging value
 - [#3689](#) Update the Readme file to reflect the installation steps of the latest version
 - edgex-compose
 - Fixed issues
 - [#184](#) Docker containers do not restart after reboot.



30th Sep 2021

Attendees

Initials	Name	Host	Mute	Video	Chat
JB	James Butcher (IOTech)	(Host, me)	+	📷	🗨️
CT	Cloud Tsai		🔇	📷	🗨️
JW	Jim White		🔇	📷	🗨️
L-	Lenny - Intel		🔇	📷	🗨️
RH	Rodney Hess		🔇	📷	🗨️
BM	Brian McGinn(Intel)		🔇	📷	🗨️
IA	Iain Anderson (IOTech)		🔇	📷	🗨️
JW	Jim Wang (Intel)		🔇	📷	🗨️
MW	Mengyi Wang		🔇	📷	🗨️
SS	Siggi Skulason		🔇	📷	🗨️
W(Walt (Intel)		🔇	📷	🗨️

Agenda

- Ireland Tie-Up
 - Ireland Documentation Project Board Closed
- TAF Status
 - Passing: 542 Functional, 32 Integration, 10 Performance
- Core WG [Project Board](#)
 - go-mod-contracts
 - Fixed issues



- [#661](#) Use generic interface in the Event Tagging value
- go-mod-messaging
 - Fixed issues
 - [#111](#) Allow "clean session" config option in MQTT implementation.
- go-mod-registry
 - Fixed issues
 - [#77](#) Add one new method return all register endpoint services
- edgex-go
 - New issues
 - [#3685](#) Support for custom attributes in Device object
 - [#3716](#) Core Command crash when sending command to Device Camera, and camera is offline
 - [#3693](#) New API to search Reading by multiple ResourceNames
 - [#3692](#) Add Get Transmission by Notification id API
 - [#3691](#) Add totalCount field to the multiple object search API
 - [#3689](#) Update the Readme file to reflect the installation steps of the latest version
 - [#3612](#) Utilize MaxRequestSize configuration in each microservice
 - [#3641](#) Update lastConnected should not trigger the DS callback
 - [#3719](#) Correct the core-metadata Device API example
 - [#3679](#) Support object value types in Reading
 - [#3705](#) edgex with prometheus
 - [#3237](#) feat(data): Make MaxEventSize a config setting
 - [#3726](#) [Core data] Use generic interface in the Event Tagging value
 - [#3705](#) edgex with prometheus
 - Fixed issues
 - [#3637](#) [Command] TOML file still has Database section
 - [#3710](#) Change default for MaxResultCount to 1024
 - [#3668](#) [Command] The response code of Get Command should come from Device Service
 - [#3669](#) Remove unused variables in the infrastructure/redis package
 - [#3708](#) [Core Data] Delete events and readings by key-ids directly
 - [#3689](#) Update the Readme file to reflect the installation steps of the latest version
- edgex-compose
 - In-review
 - [#184](#) Docker containers do not restart after reboot.
 - Fixed issues
 - [#186](#) Consul not persisting data between down and up in non-secure mode
- QA/Test [Project Board](#)



22th Sep 2021

Attendees

A screenshot of a Zoom meeting participants list window. The window title is "Participants (10)". Below the title is a search bar with the placeholder text "Find a participant". The list contains ten participants, each with a colored circular avatar, their name, and their role. The participants are: James Butcher (IOTech) (Host, me), Lenny - Intel (Co-host), Jim White, tonyespy, Cloud Tsai, Iain Anderson (IOTech), Jim Wang (Intel), Mengyi Wang, Rodney Hess (Beechwoods), and Sigi Skulason. Each participant has icons for video, audio, and chat, with some icons crossed out to indicate they are disabled.

Agenda

- Ireland Tie-Up
 - Ireland Documentation [Project Board](#)... final stages
- TAF Status
 - Passing: 541 Functional, 32 Integration, 9 Performance
- Core WG [Project Board](#)
 - go-mod-messaging
 - Fixed issues
 - [#32](#) Remove Attribution.txt file
 - [#112](#) QoS has no effect on the behavior of



MQTT msgbus

- edgex-go
 - New issues
 - [#3679](#) Support complex object types in Reading
 - [#111](#) Allow “clean session” config options
 - [#3710](#) Change default for MaxResultCount to 1024
 - [#3716](#) Core Command Crash with Camera
 - Fixed issues
 - [#2488](#) Edgex support scheduler crash
- QA/Test [Project Board](#)
 - Fixed issues
 - [#177](#) Set Kong worker process to 1 by default
 - Needs documentation mention
 - James to create ticket on docs repo - noting docker and snaps settings



16th Sep 2021

Attendees

Participant	Role	Mute	Video	Chat
JB James Butcher (IOTech)	(Co-host, me)	On	On	On
L(Lenny (Intel)	(Host)	On	On	On
CT Cloud Tsai		On	Off	On
T tonyespy		On	Off	On
RH Rodney Hess		On	Off	On
W(Walt (Intel)		On	Off	On
IA Iain Anderson (IOTech)		Off	Off	On
JW Jim Wang (Intel)		Off	Off	On
JW Jim White		Off	Off	On
MW Mengyi Wang		Off	Off	On
SS Siggi Skulason		Off	Off	On

Agenda

- Ireland Tie-Up
 - Ireland Documentation [Project Board](#)... final stages
- TAF Status
 - Passing: 541 Functional, 32 Integration, 9 Performance
 - Failed: 1 performance
 - http://nginx.org/en/docs/nginx_core_module.html#worker_processes
 - Some TAF analysis needed, documentation option, request to Colin and team



- Decision to set to 1, observer performance figures and discuss again next week
- Core WG [Project Board](#)
 - go-mod-core-contracts
 - New issues
 - [#661](#) Use generic interface in the Event Tagging value
 - edgex-go
 - New issues
 - [#2488](#) Edgex support scheduler crash
 - [#3705](#) edgex with prometheus
 - [#3685](#) Support for custom attributes in Device object
 - [#3679](#) Support complex object types in Reading
 - [#3708](#) Delete events and readings by key-ids directly
 - Fixed issues
 - [#2550](#) ValueDescriptors do not get removed along with DeviceProfile when EnableValueDescriptorManagement=true
 - [#3706](#) Device Service no long has an Op State
 - [#3703](#) Persistence of selected DeviceResource events
 - [#3695](#) How to handle Metric and Operation in k8s?
- QA/Test [Project Board](#)
 - Fixed issues
 - [#509](#) Implement config tests for core services

Other Business

- Correct use of MaxResultCount? 1024 - Lenny to action
- Open api integration with Swagger UI? Jim to ask for more info and why better than SwaggerHub?
- Should EdgeX UI offer some sort of data visualization about Events/Readings?
- Testing needs for Jakarta during code freeze period? Jim to come up with list of potential tests that can be automated or ran manually during the period



09th Sep 2021

Attendees

Participant	Mute	Video	Chat
JB James Butcher (Host, me)	+	📷	🗨️
CM Corey Mutter	🔇	🗨️	🗨️
JW Jim White	🔇	🗨️	🗨️
T tonyespy	🔇	🗨️	🗨️
AK Anil Kumar Choudhury (Eaton)	🔇	🗨️	🗨️
CT Cloud Tsai	🔇	🗨️	🗨️
L- Lenny - Intel	🔇	🗨️	🗨️
M(Mengyi (Canonical)	🔇	🗨️	🗨️
SS Siggie Skulason	🔇	🗨️	🗨️
W(Walt (Intel)	🔇	🗨️	🗨️

Buttons: Invite, Mute All, ...

Agenda

- Ireland Tie-Up
 - Ireland Documentation [Project Board](#)... final stages



(plus QA/Test, System Management and UI)

- TAF Status
 - All passing: 541 Functional, 32 Integration, 10 Performance
- Core WG [Project Board](#)
 - **Agree Complex Types #3679**
 - **Deferred to Monday's Device Services Call**
 - go-mod-core-contracts
 - New issues
 - [#661](#) Use generic interface in the Event Tagging value
 - edgex-go
 - New issues
 - [#3691](#) Add totalCount field to the multiple object search API
 - [#3692](#) Add Get Transmission by Notification id API
 - [#3693](#) New API to search Reading by multiple ResourceNames
 - [#3685](#) Support for custom attributes in Device object
 - [#3679](#) Support complex object types in Reading
 - [#2488](#) Edgex support scheduler crash
 - [#3703](#) Persistence of selected DeviceResource events
 - [#3705](#) edgex with prometheus
 - Fixed issues
 - [#2790](#) Invoke deviceService callback API after adding device
 - [#3023](#) Implement scheduler job trigger
 - [#2482](#) deleteRenamedEvents in Redis db client misses the unlink reading in event collection
 - [#1990](#) core-command coupled to core-metadata database
 - [#3696](#) The SMA API document stated the wrong parameter
 - [#2550](#) ValueDescriptors do not get removed along with DeviceProfile when EnableValueDescriptorManagement=true
- QA/Test [Project Board](#)

Other Business

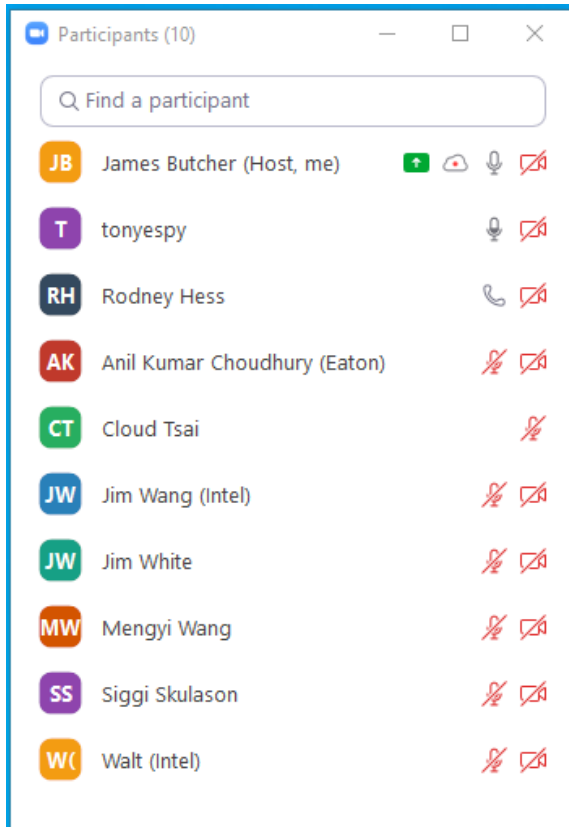
- Test notes to be part of PR process - Lenny and Tony to provide sample for review
- Question from Ian Johnson:
<https://github.com/edgexfoundry/edgex-go/pull/3492#pullrequestreview-740887361>

Action for Lenny when back from vacation



02nd Sep 2021

Attendees



Agenda

- Ireland Tie-Up
 - Ireland Documentation [Project Board](#)
- TAF Status
 - All passing: 541 Functional, 32 Integration, 10 Performance
- Core WG [Project Board](#)
 - Agree Complex Types [#3679](#).
 - Needs TSC vote?
 - Tony to comment on ticket
 - James to organise IOtech call
 - Look to agree ahead of TSC wednesday
 - go-mod-core-contracts
 - New issues
 - [#661](#) Use generic interface in the Event Tagging value
 - Fixed issues
 - [#452](#) Upgrade yaml library to v3



- edgex-go
 - New issues
 - [#3679](#) Support complex object types in Reading
 - [#3689](#) Update the Readme file for latest installation steps
 - [#2493](#) The default value in deviceProfile is not available
 - [#3691](#) Add totalCount field to the multiple object search API
 - [#3692](#) Add Get Transmission by Notification id API
 - [#3693](#) New API to search Reading by multiple ResourceNames
 - [#3685](#) Support for custom attributes in Device object
 - Fixed issues
 - [#3682](#) Device Profile with can't be marshal to Json in some case
 - [#3060](#) Use yaml.v3 library instead of yaml.v2
 - [#3677](#) How to config the device service send sensor data to the redis message bus, and make the core data service persisted sensor data?
 - [#3687](#) Unable to install edgex-go related package
 - [#2790](#) Invoke deviceService callback API after adding device
 - [#3023](#) Implement scheduler job trigger
 - [#2482](#) deleteRenamedEvents in Redis db client misses the unlink reading in event collection
 - [#1990](#) core-command coupled to core-metadata database
- QA/Test [Project Board](#)
 - Fixed issues
 - [#519](#) Increase the sleep time after restarting services
 - [#521](#) Modify log validation for app-service with http-export profile
 - [#232](#) Verify TAF tests to be put against Snaps

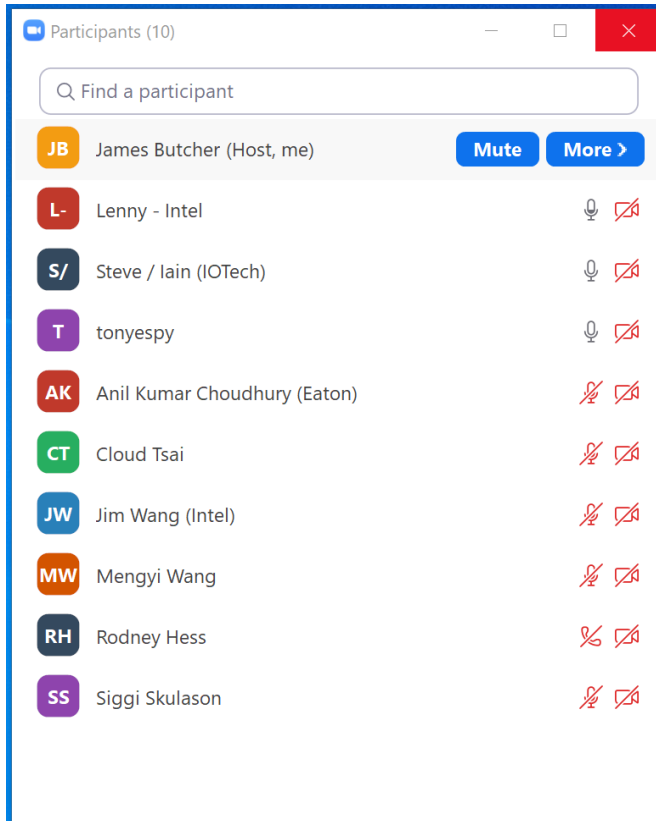
Other Business

- V1/V2 Migration Tooling - analysis needed for TSC next week
- Test notes to be part of PR process - Lenny and Tony to provide sample for review
- Question from Ian Johnson:
<https://github.com/edgexfoundry/edgex-go/pull/3492#pullrequestreview-740887361>
 - Action for Lenny when back from vacation



26th Aug 2021

Attendees



Agenda

- Ireland Tie-Up
 - V2 docs nearing completion
 - Ireland Documentation [Project Board](#)
 - James to see where we can use “Edgy” as a short term note
- TAF Status
 - All passing: 541 Functional, 32 Integration, 10 Performance
 - Snaps TAF testing waiting review. Cloud and team to review
- Core WG [Project Board](#)
 - edgex-go
 - New issues
 - [#3679](#) Support complex object types in Reading
 - Tony to add comments, and come to conclusion in next week
 - Raise to TSC for approval for Jakarta
 - [#3677](#) How to config the device service send sensor data to the redis message bus, and make the core data service persisted



sensor data?

- James to request update
- [#3668](#) The response code of Get Command should come from Device Service
- [#3669](#) Remove unused variables in the infrastructure/redis package
- Review
 - [#525 V2 CLI](#)
https://github.com/edgexfoundry/edgex-docs/blob/00752ee710ed441ccad78b198e6ceed03ed2e4e6/docs_src/design/adr/core/0019-EdgeX-CLI-V2.md
 - Fixed issues
 - [#3676](#) [kuiper] security-secretstore-setup uses hard-coded YAML with docker network-name
 - [#3538](#) [Snap] Update snap to use latest Kuiper and Secure MessageBus
 - [#3682](#) Device Profile with Yaml format Can't be marshal to Json in some case
- QA/Test [Project Board](#)
 - Fixed issues
 - [#517](#) Implement config tests device-virtual with mqtt message bus
 - [#519](#) Increase the sleep time after restarting services

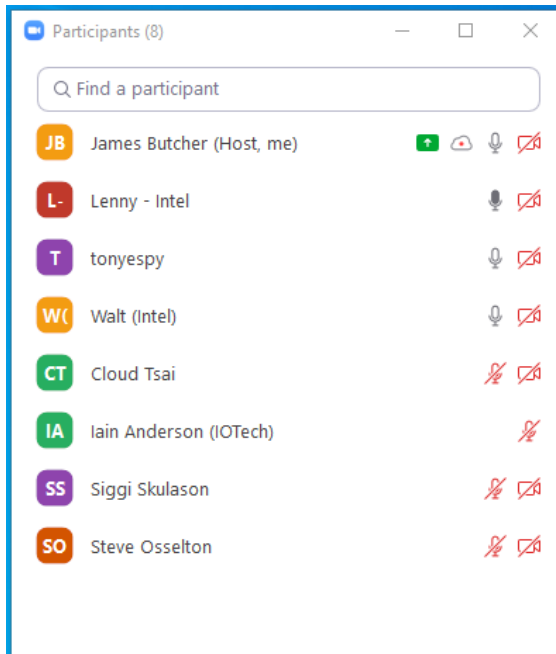
Other Business

- Test notes to be part of PR process - Lenny and Tony to provide sample for review



19th Aug 2021

Attendees



Agenda

- Ireland Tie-Up
 - V2 docs nearing completion
 - Need to get these wrapped up asap.
 - Need to adjust dev process for Jakarta - dont leave docs till end
 - Ireland Documentation [Project Board](#) - now prioritized
- TAF Status
 - Functional tests and Integration tests are failed, due to [Jenkins x86 and arm64 nodes are offline and blocked PR validations](#)
 - 10 Performance tests are passing
- Core WG [Project Board](#)
 - go-mod-core-contracts
 - Fixed issues
 - [#208](#) Refactor all clients to have injectable Unmarshalers & Servers
 - [#31](#) Audit GoDoc Compatible Comments
 - go-mod-bootstrap
 - Fixed issues
 - [#268](#) REST endpoints do not gracefully handle request timeout configured by bootstrap
 - edgex-go
 - New issues



(plus QA/Test, System Management and UI)

- [#3648](#) when update the device profile, and restart the device service, but get the device all commands is not updated? why?
- [#3668](#) [Command] The response code of Get Command should come from Device Service
- [#3669](#) Remove unused variables in the infrastructure/redis package
- [#3676](#) [kuiper] security-secretstore-setup uses hard-coded YAML with docker network-name
- Fixed issues
 - [#3672](#) Errors in core-metadata API examples for get_device_*
 - [#3656](#) [Security] Remove curl executable from secretstore-setup
 - [#3667](#) What is the format of sending the event ?
 - [#3491](#) [v2 sys-mgmt-agent] Implement v2 PUT /configs API
 - [#2166](#) Restructure the Redis DBClient implementation for events
 - [#2047](#) Create common Docker base images
 - [#1513](#) Create common EdgeX error type
 - [#2372](#) Remove mocks from all client services
 - [#2509](#) Update EdgeX to use one Redis Library Consistently.
 - [#2462](#) REST endpoints do not gracefully handle request timeout configured by bootstrap
 - [#3663](#) The quotes in configuration.toml are not consistent
 - [#3632](#) Make vault token TTL configurable
- QA/Test [Project Board](#)
 - New issues
 - [#517](#) Implement config tests device-virtual with mqtt message bus
 - Working issues
 - [#509](#) Implement config tests for core services
 - Fixed issues
 - [#510](#) Implement config tests for device-virtual

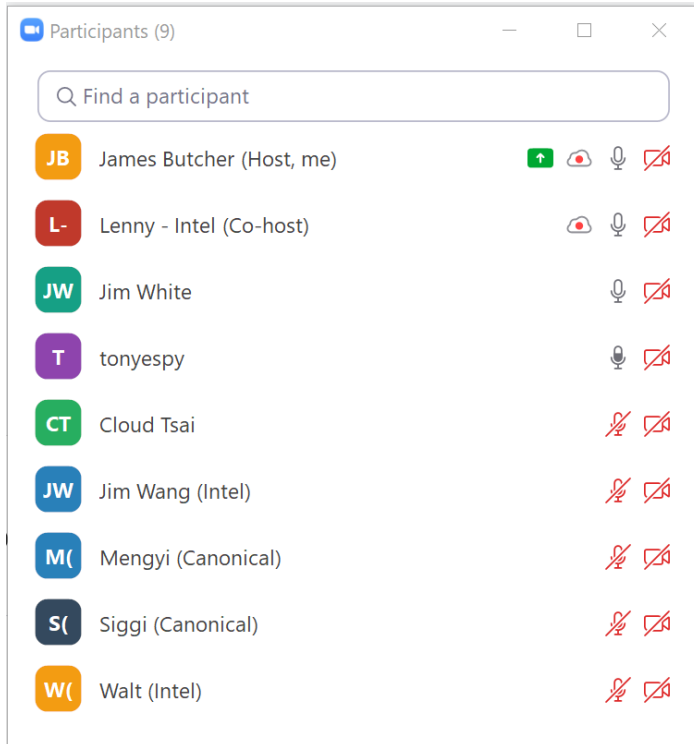
Other Business

- Siggie: CLI client - draft ADR and PR. Awaiting comments etc
 - **Walkthrough #525 next week**
- New valueType “Object” and ObjectReading. Cloud to liaise with **Steve Osselton** and **Iain Anderson** and provide more context. Why not marshall to JSON?
 - **Agreed on the concept, ticket to be raised. Expected to be done in Jakarta**
 - **Cloud to create ticket**



12th Aug 2021

Attendees



Agenda

- Ireland Tie-Up
 - V2 docs nearing completion
 - Ireland Documentation [Project Board](#)
 - Action: James to prioritize TODO list
- TAF Status
 - All passing: 541 Functional, 30 Integration, 10 Performance
- Core WG [Project Board](#)
 - Discuss return all register endpoint services:
<https://github.com/edgexfoundry/go-mod-registry/issues/77>
 - Action: Jim to reach out
 - Others:
 - Action: Jim to update Ireland Wiki with known bugs (since fixed)
 - go-mod-bootstrap
 - Fixed issues
 - [#40](#) Update README.md with architecture/design information
 - [#264](#) Logging of EDGEX_CONF_DIR override is incorrect
 - [#268](#) REST endpoints do not gracefully handle request timeout



configured by bootstrap

- go-mod-core-contracts
 - Fixed issues
 - [#512](#) Some import paths "/v2" should be deleted
 - [#499](#) [V2] Create factory methods for sub-DTOs
 - [#158](#) Add Subscription Client for services to create notification subscriptions
- edgex-go
 - New issues
 - [#3648](#) when update the device profile, and restart the device service, but get the device all commands is not updated? why?
 - [#3656](#) [Security] Remove curl executable from secretstore-setup
 - [#3663](#) The quotes in configuration.toml are not consistent
 - Working issues
 - [#2304](#) Add Websocket Support for Support-notifications
 - [#3638](#) Enable the authentication plugins on a route-by-route basis
 - [#2462](#) REST endpoints do not gracefully handle request timeout configured by bootstrap
 - Fixed issues
 - [#2987](#) rule engine, send to message bus, set port 5563, but endpoint use 5573
 - [#3653](#) How to config zero trigger for core-data
 - [#3639](#) SMA operation documentation incorrect
 - [#3640](#) Upload Device Profile API is not clear
 - [#3654](#) Mismatched types error in internal/security/kdf/methods.go
- QA/Test [Project Board](#)
 - Kuiper 1.3.0 now available with reduced footprint (especially for ARM)
 - Action: Lenny to update compose for Ireland and current
 - Siggie to check whether Snap needs same for this and dot release
 - New issues
 - [#514](#) Add App Services integration tests for External MQTT Trigger
 - Fixed issues
 - [#515](#) Lost AdminState in pre-created interval action

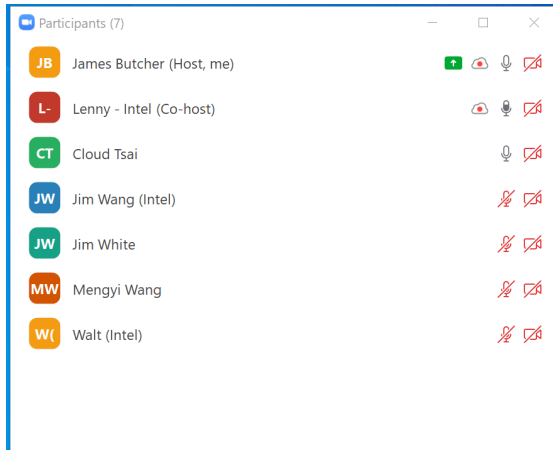
Other Business

- Siggie: CLI client - draft ADR and PR. Awaiting comments etc
- New valueType "Object" and ObjectReading. Cloud to liaise with [Steve Osselton](#) and [Iain Anderson](#) and provide more context. Why not marshal to JSON?
 - Steve invited to next WG call



5th Aug 2021

Attendees



Agenda

- Ireland Tie-Up
 - V2 docs nearing completion
 - Ireland Documentation [Project Board](#)
- TAF Status
 - All passing
- Core WG [Project Board](#)
 - go-mod-core-contracts
 - Fixed
 - [#640](#) The Id field should accept the empty string in update DTO if the name is provided
 - edgex-go
 - New
 - [#3637](#) [Command] TOML file still has Database section
 - [#3639](#) SMA operation documentation incorrect
 - [#3640](#) Upload Device Profile API is not clear
 - [#3641](#) Update lastConnected should not trigger the Device Service callback
 - [#3648](#) when update the device profile, and restart the device service, but get the device all commands is not updated? why?
 - Working
 - [#3237](#) feat(data): Make MaxEventSize a service configuration setting
 - [#2462](#) REST endpoints do not gracefully handle request timeout configured by bootstrap
 - [#3638](#) Enable the authentication plugins on a route-by-route basis



- Fixed
 - [#3601](#) [Metadata] Add notification after updating device entity
 - [#3630](#) Miss created and modified fields when querying Device and Device Service
 - [#3618](#) io.Reader refactoring
 - [#3629](#) Remove the unsupported object and field from Scheduler API document
 - [#3574](#) Get devices by servicename returns 503 unexpected end of JSON input
 - [#3597](#) New Reading query API feature request
 - [#3635](#) Item not found / Failed to update last connected value for device
 - [#3642](#) The interval and interval action loaded from configuration should be validated
- edgex-docs
 - New
 - [#481](#) Update Core Metadata to V2
 - Working
 - [#480](#) Update Core Data to V2
 - [#315](#) Update all services documentation to remove all remote/file logging information
 - Fixed
 - [#469](#) Device Service SDK (C) : create migration guide
 - [#474](#) Update Getting Started C Developers for V2
 - [#476](#) Update C SDK to V2
 - [#485](#) Remove Rules Engine
 - [#486](#) Mark sys mgmt services as deprecated
- QA/Test [Project Board](#)
 - Working
 - [#509](#) Implement config tests for core services
 - [#514](#) Add App Services integration tests for External MQTT Trigger
 - Fixed
 - [#486](#) Implement support-notifications V2 integration test
 - [#515](#) Lost AdminState in pre-created intervalaction
- CLI update (Siggi) - ADR was planned early August?
- UI Update (Jim)

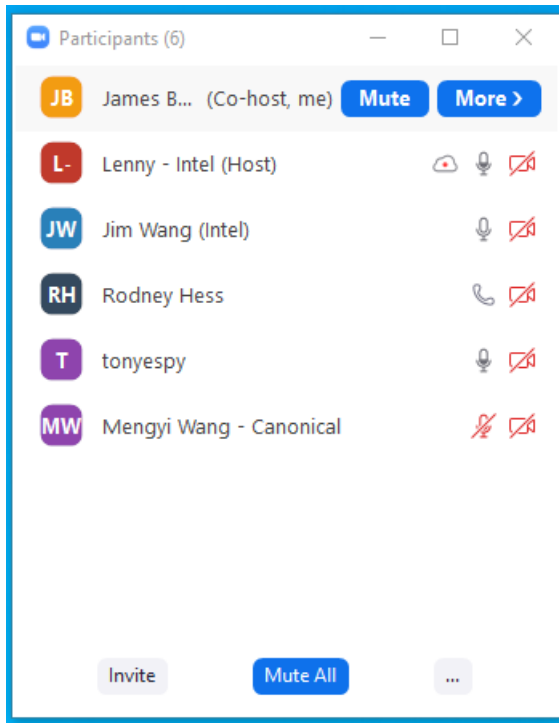
Other Business

- Issue templates.. Not getting the right info. Need to review.
- New valueType “Object” and ObjectReading. Cloud to liaise with [Steve Osselton](#) and [Iain Anderson](#) and provide more context. Why not marshall to JSON?



7/22/21

Attendees



Agenda

- Ireland TieUp
 - V2 Docs
 - 29 new issues
 - 6 currently active issues
 - 15 fixed
- TAF Status
 - All passing (as of yesterday)
 - ... but LF issue preventing viewing of current tests
 - [linuxfoundation ticket #IT-22532](#) Got "java.io.FileNotFoundException: https://api.github.com/" while building jenkins job
 - **James to contact Ernesto and Eric etc**
 - Planned Ireland performance tests now complete
 - New Issues
 - [#505](#) Test for different QoS
 - [#509](#) Implement config tests for core services
 - [#510](#) Implement config tests for device-virtual
 - Working issue
 - [#508](#) Implement config tests for support services

EdgeX Foundry Core Working Group



(plus QA/Test, System Management and UI)

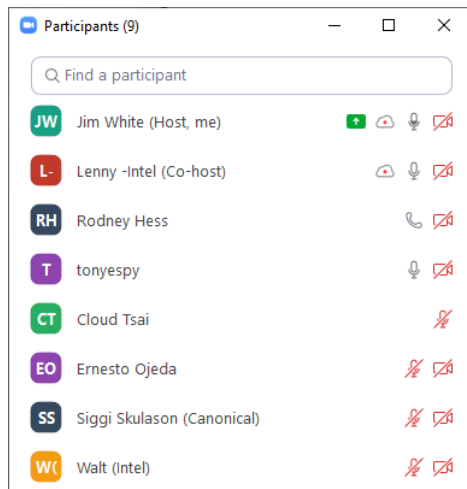
- Core WG Project Board Review
 - Ireland Documentation Updates board
 - QA/Test WG Board will be deprecated
- edgex-go
- go-mod-core-contracts
- go-mod-registry
 - [#77](#) Add one new method return all register endpoint services
- go-mod-bootstrap
- CLI update (Siggi) **ADR planned early August**
- UI Update (Jim) **James to (maybe) takeover**

Other Business

- James on vacation next week... cancel Core WG Meeting? **Will Cancel**
- Issue templates.. **Not getting the right info.**



7/1/21



Agenda

- What's next - James taking over
 - Meeting times (Thursdays or move to Tuesdays)
- Ireland Release
 - Last minute bugs in Camera DS (fixed some config settings)
 - CoAP - still to be worked on Makefile and Dockerfile (Jim to get with Iain)
 - UI needed Docker image
 - Doc bug/change - all device services need secret store to store credentials (need to use the endpoint on the device service)
 - MQTT credentials, camera credentials (we don't them ahead of time to use env vars) - there is a window to provision the correct credentials/tokens (see issue for this) 445 on edgex-docs
 - Secure message but credentials via env vars
 - When security is off, put something in insecure-secrets (configuration.toml)
 - Probably need to update the README on these two device services to indicate a read of docs is in order to proceed with these services
- Documentation
 - Jim on getting started, core/supporting service areas
 - Cloud on device service areas
 - Lenny on app services, cross cutting concerns, API reference
 - Goal is to try to cover the first 4 tabs well and then move into examples, etc.
- Jakarta scope
 - James/Cloud task to initially meet and talk about scope for Jakarta
 - Priority order and then is scope size right?
- Cancelling next week's meeting to give everyone a week off

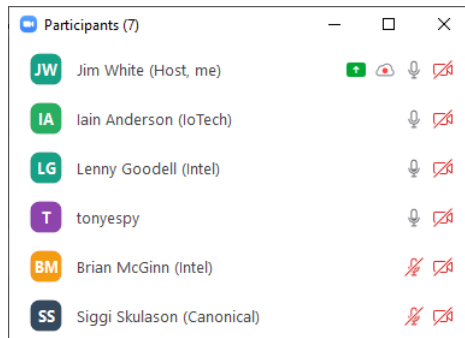
6/10/21

Attendees:

EdgeX Foundry Core Working Group



(plus QA/Test, System Management and UI)



Others may have been in attendance after roll was captured.

Agenda

Old

- Ireland tasks updates (Cloud, Lenny)
- CLI update (Siggi)
- UI Update (Jim)
- ADR review (postponed for future meeting)

New

- SMA POST operation:
<https://github.com/edgexfoundry/edgex-go/pull/3501#issuecomment-850670314>
- Changelogs:
<https://jenkins.edgexfoundry.org/view/EdgeX%20Foundry%20Project/job/edgexfoundry/job/cd-management/job/changelog-generator/6/>
- Next week's meeting cancelled

Old Business

Ireland

Update from Cloud:

- Completed all major implementation tasks
- All tests for APIs done (with exception of a couple of PRs to be approved)
- V1 Clean up (Lenny) -
 - Clean up of code (v1 code removal like v2/v2 namespaces)
 - System management - PR out yesterday
 - Last thing: propagate core contracts through everything
- Enabling TAF with Snaps
- Anything going to slip?: improvement of device-mqtt might slip (to use single MQTT broker to multiple devices), but this is independent item that can release anytime.
- Documentation - NSTR
- CLI update to V2 (Siggi) - update coming for F2F
- Kubernetes - NSTR
- UI - VMWare - might be done 30th



(plus QA/Test, System Management and UI)

- Core Data Subscribe receives own messages published to message bus (3497)
 - Lenny trying separate topic approach
 - Prefix for topics to add “/core” ; same on Device Services to add “/device”
 - App services already use a wildcard
 - **All resolved**
- Kong still connected to original Docker container (403) - **Fixed**

ADR Review - **postponed until after Ireland**

- [ADR metrics collection](#)
- [ADR UoM](#)

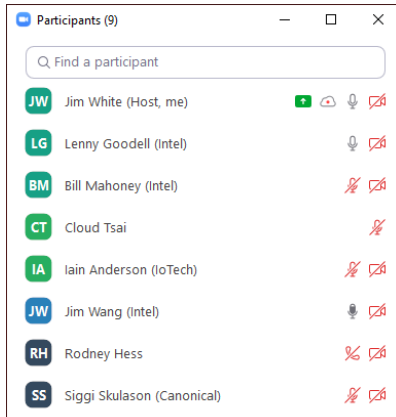
New Business

- Jim out next Thursday/Friday. Cancelling the Core WG meeting next week.
- SMA POST operation:
<https://github.com/edgexfoundry/edgex-go/pull/3501#issuecomment-850670314>
 - **Decision: add static “edgex-” prefix to service key for SMA (Jim to create a the new issue - #3559)**
 - **Lenny notes app service container names in compose files to change to align to docker names (Lenny to create the issue and handle)**
- Changelogs:
<https://jenkins.edgexfoundry.org/view/EdgeX%20Foundry%20Project/job/edgexfoundry/job/cd-management/job/changelog-generator/6/>
 - **Jim to provide CHANGELOG.md to all go-mod repositories as well as edgex-go.**
 - **Decisions:**
 - **Reference the go-mod change log from appropriate service Changelogs (like the edgex-go Changelog)**
 - **Put reference to the modules at the top of the Changelogs**
 - **The heading of the Changelog should be name of the module/service and hyperlink to the module or service**
 - **Not worthy of the notation in changelogs:**
 - **Take deps out**
 - **Take out vanilla messages like “Adjusted missing V2 in remaining paths” or “Addressed PR comments from Jim Wang”**
 - **Take out all the “upgrades”**
 - **Try to attach each log entry to *all*, *command*, etc.**
 - **Keep breaking change notes**
 - **Keep all the release details (for past releases)**
 - **Do go-mod changelogs first and get those committed in their repos (this week) since there are no changes remaining in these areas**
 - **Work on changelogs for the services next week and reference the go-mods**
 - **Topic for planning meeting: how to improve commit messaging to make changelogs better**



6/3/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Ireland tasks updates (Cloud, Lenny)
- 2.0.1 update (Siggi)
- 2.0.1 Planning - final for pre-wire
- Jakarta Planning sessions - final for pre-wire
- ADR review (time permitting)

New

- Schedule interval runOnce

Old Business

Ireland

Update from Cloud:

- Notifications - finished all work
 - Working on automation tests (TAF)
- System management - implemented redesign work discussed last week. Open PRs; working on requested changes to those PR (Lenny rereview needed)
- V1 Clean up (Lenny) - PRs reviewed by Bruce; approved and ready to merge.
 - May be some additional clean up later (system management for example - issue already created)
- Overall - just a few issues to clean up
 - Core Data message bus loop
 - Scheduler issue
- TAF tests ongoing - more coming
- Documentation - Jim started, first PRs coming late this week or early next.



(plus QA/Test, System Management and UI)

- CLI update to V2 (Siggi - 2.0.1) - **fix issues with Snaps and Ireland - number of PRs coming today or tomorrow to address**
- **Kubernetes** - NSTR
- **UI** - VMWare - NSTR
- Core Data Subscribe receives own messages published to message bus ([3497](#))
 - **Lenny trying separate topic approach**
 - **Prefix for topics to add “/core” ; same on Device Services to add “/device”**
 - **App services already use a wildcard**
- Kong still connected to original Docker container ([403](#))
 - Trying dns_stale_ttl override
 - **Lenny tried this and dns_valid_ttl and this created issues. Will try dns_stale_ttl.**
 - **Cloud had Cherry try dns_valid_ttl and it worked to solve issue. Cloud to verify with Cherry that she doesn't see the same issue.**
- **2.0.1**
 - Bug fixes
 - **Any and all or of certain criticality??**
 - Any Device Services not upgraded to V2 APIs (GPIO, CoAP, LLRP)
 - Any Application Services not upgraded to V2 APIs (LLRP)
 - EdgeX examples not upgraded to V2 APIs (in edgex-examples repos)
 - Those not going to be upgraded should be annotated explicitly as 1.x only
 - New GUI
 - May have a beta release with 2.0
 - CLI V2 (refactor and upgrade to V2 APIs)
 - Removal of V1 or otherwise “dead” code
 - **Lenny's PR is bulk of this, but some other clean up around things like System Management stuff that is to be cleaned out**
 - Code for the actual V1 endpoints
 - Code behind the V1 database clients
 - Event tagging in C Device Services (done for Go DS)
 - Security implementations for C DS (secure Consul, secure message bus)
 - Early seeding of secrets without calling the endpoints (which isn't ready yet)
 - IOTech's DCT tool for use with EdgeX Ready – working with V2 profiles
 - Readings by timestamp and name (per Slack channel). ([#3519](#))
- Jakarta planning sessions - Core WG considerations (Jun 21 - 25)
 - New/enhancements**
 - How does Canonical or others determine “stabilization release”
 - Try not to introduce new features
 - Can Tony give an overview in pre-wire



- ADRs for implementation consideration
 - Implement Device Service Filter ADR? - **NO, resource issue?**
 - Implement Service List ADR?
 - Implement Registry ADR?
 - Implement Metrics ADR? - **this is big and would be pushing things on stabilization**
 - Implement UoM ADR?
 - Solve System Management issues?
 - Digital Twin - **probably out**
- General
 - Enable CORS (for API Gateway and service APIs in general)
- Core/Supporting
 - MaxEvent Size a config setting (**there now but not being used**)
 - Improve ability to add interval/interval actions statically
 - Send commands to group of devices based on label
 - Add NATS implementation for message bus - **Too big**
 - Add Websocket support for notifications - **?? questionable for Jakarta**

Tech Dept/cleanup

- General
 - Upgrade to YAML **library** v3 (vs v2) - some research to do and impact
 - Replace poor 3rd party libs based on paper study (not supported, not used, etc.)
 - Includes ZMQ, logfmt, goburrow for modbus etc.
 - **Possibly on a case-by-case basis; those with low impact to stabilization**
- Core
 - Allow separate PublishHost and SubscribeHost in go-mod-messaging MQTT support - **probably not for Jakarta**
 - Fix SMA's default service list (also part of general system management and service list ADRs)
- Snap
 - Redis in the snap triggers apparmor denials
 - Modify install hook to drop usage of SNAP_INSTANCE_NAME
- **Future discussions**
 - **Get rid of ZMQ**
 - **Get rid of YAML**

ADR Review

- [ADR metrics collection](#)
- [ADR UoM](#)



(plus QA/Test, System Management and UI)

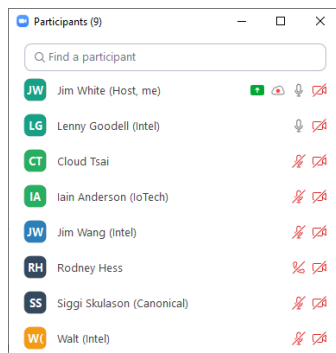
- Cloud brings up possible issue with backward compatibility
- Understand this is something still to be discussed
- May or may not be in Jakarta ; may or may not be backward compatibility to Ireland

New Business

- Scheduler interval runOnce ([3532](#)): Decision - remove for now. Issue and relook in later release or when use case warrants.
- Compose files now use "latest" tag; loading new images automatically.

5/26/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Ireland tasks update

New

- Readings by timestamp and name (per Slack channel). Valid request; if so for Jakarta?
- CORs issue and GUI/CLI
- Core Data Subscribe receives own messages published to message bus
- Kong still connected to original Docker container
- Notification's Category (and Label) - enumeration? Valid values?
- 2.0.1 Planning
- Jakarta Planning sessions

Old Business

Ireland

Update from Cloud:

- Notifications - still in progress (PR open for secret API)
 - Email send (last item to be worked - PR open by next week)



(plus QA/Test, System Management and UI)

- Need notifications client (PR open)
- System management - completed V2 API and client library
 - Rework is lower priority but worked simultaneously
- V1 Clean up (Lenny) - draft PR; feedback incoming; sys mgmt waiting for that to be done
- TAF tests ongoing
- Documentation - NSTR
- CLI update to V2 - Canonical for ~ 2.0.1
- Kubernetes - NSTR
- UI - VMWare ~ 2.0.1 release.

ADR Review

- [ADR metrics collection](#)
- [ADR UoM](#) - new; review in upcoming core WG meeting

New Business

- Readings by timestamp and name (per Slack channel). Valid request; if so for Jakarta?
 - Decision: valid need. Schedule for 2.0.1
 - Jim created issue ([#3519](#))
- CORs issue and GUI/CLI
 - GUI team doing a work around.
 - Nothing further on this issue - to be tackled in the planning meeting
- Core Data Subscribe receives own messages published to message bus ([3497](#))
 - Decision in the issue. Make it a multipart response with 404 response for any not-found services
 - Also changing the design and URL for this request
- Kong still connected to original Docker container ([403](#))
 - Colin tracking with Kong (via Secty WG)
- Notification's Category (and Label) - enumeration? Valid values?
 - Came up as UI team developing notifications area
 - Category and label are both an array of random strings for V2 (category was changed to strings from enumeration for this release).
 - Begged the question why have both categories and labels.
 - Core WG to examine this for future releases but keeping both for now.
- 2.0.1 - here is what I have under consideration
 - Bug fixes
 - Any and all or of certain criticality??
 - Any Device Services not upgraded to V2 APIs (GPIO, CoAP, LLRP)
 - Any Application Services not upgraded to V2 APIs (LLRP)
 - EdgeX examples not upgraded to V2 APIs (in edgex-examples repos)
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 - New GUI
 - May have a beta release with 2.0
 - CLI V2 (refactor and upgrade to V2 APIs)



(plus QA/Test, System Management and UI)

- Removal of V1 or otherwise “dead” code
 - Code for the actual V1 endpoints
 - Code behind the V1 database clients
 - Event tagging in C Device Services (done for Go DS)
 - Security implementations for C DS (secure Consul, secure message bus)???
 - Early seeding of secrets without calling the endpoints (which isn’t ready yet)
 - IOTech’s DCT tool for use with EdgeX Ready – working with V2 profiles
- Jakarta planning sessions - Core WG considerations (Jun 21 - 25) - to be reviewed in detail in the next core WG meeting.

New/enhancements

- ADRs for implementation consideration
 - Implement Device Service Filter ADR?
 - Implement Service List ADR?
 - Implement Registry ADR?
 - Implement Metrics ADR?
 - Implement UoM ADR?
 - Solve System Management issues?
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 - Upgrade to YAML v3 (vs v2)
 - Replace poor 3rd party libs based on paper study (not supported, not used, etc.)
 - Includes ZMQ, logfmt, goburrow for modbus etc.
- Core
 - Allow separate PublishHost and SubscribeHost in go-mod-messaging MQTT support
 - Fix SMA’s default service list (also part of general system management and service list ADRs)
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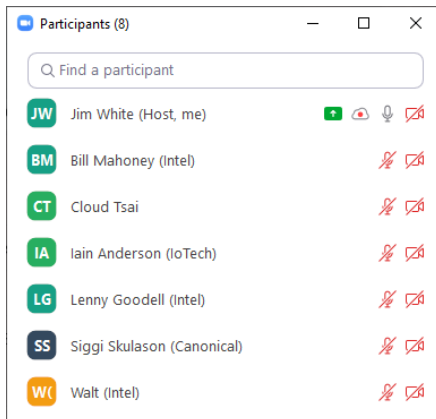
5/20/21

Attendees:

EdgeX Foundry Core Working Group



(plus QA/Test, System Management and UI)



Others may have been in attendance after roll was captured.

Agenda

Old

- Ireland tasks update
- Timeout issue

New

- Port changes
- Service info

Old Business

Ireland

Update from Cloud:

- Notifications - almost done - one final API (security injection for SMTP username / password) - work like app service
 - Still have to do email send (and would be the final bits)
 - Need notifications client (Bruce working)
- System management - working on final operation API (metrics and health APIs done)
- Next week - clean start on any V2 APIs
- Lenny has draft PR for ripping out V1 code
 - Core contracts will need the same cleanup (removing v2/v2/models)
- TAF tests ongoing
- Integration / use of V2 APIs and any issues - NSTR
- Documentation - NSTR
- CLI update to V2 - underway (meeting tomorrow with Canonical)
- Removal of EdgeX 1.x code - started by Lenny
- Kubernetes - NSTR
- UI - probably 2.0.1 release.

Timeout issue

- Lenny's suggestion good - add Max Request Size - int, have a HealthCheckInterval - string, and RequestTimeout - string in the ServiceInfo structure



(plus QA/Test, System Management and UI)

- Tony to reply with any additions - +1 approved
 - Lenny to create the issue for this.

ADR Review

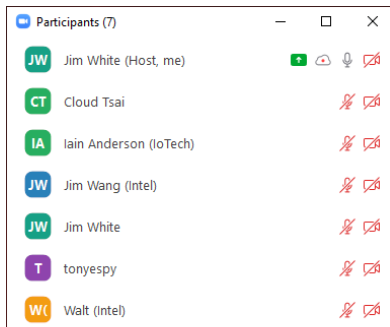
- [ADR metrics collection](#)

New Business

- Protocol in ServiceInfo - per email exchange (finalize, and part of the same email exchange around Timeout)
 - Decision was to drop the Protocol. Even though HTTPS may be used in the future (vs HTTP and the default), it was felt that doing HTTPS would require additional certificates or other details not in the ServiceInfo structure.
 - Lenny to create the issue
- Port changes - timing, effort, action items
 - Per TSC's decision yesterday, moving all EdgeX ports to the IANA dynamic port area.
 - Draft changes for most of this work is already by Lenny - done
 - Some device services still need clean up (those not in testing critical path)
 - Documentation will need to be updated
 - edgex-examples need to be updated

5/13/21

Attendees:



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Agenda

Old

- Ireland tasks update
- Metrics ADR review

New

- Timeout issue
- CORS
- Event Tagging (per [SDK Go 915](#))



Old Business

Ireland

Update from Cloud:

- Support scheduler - completed (basic API and features)
- Notifications - merged (REST channel)
 - WIP - transmission API
 - Email sending work will happen after this
- System management - started implementing the general API & moving APIs to V2
 - Ping/version APIs first (easy) - to resolve consul issue
 - V2 API design/model
 - Update the service APIs (config, start / stop, etc.)
 - (<https://app.swaggerhub.com/apis/edgexfoundry1/system-agent/1.1.0>)
 - Consumption - as part of V2 API implementation
 - Using V2 client
 - ~~○ SMA uses config toml to get its list of static list of services that can be augmented by env vars with two env vars one for add and one for remove~~
 - Jim to verify it does work via some config file - discussed in email
 - Change to init.go -> iterate over the clients list from configuration
- TAF tests ongoing
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June
- Message bus support (with DS to App services)
 - PRs started (Lenny has first out)
- Test - Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland.
 - Built into the new client now - env var can be set to true always be CBOR
 - We'll also need Modbus in V2 in order to do the performance tests.
- CLI update to V2 - **underway**
- Removal of EdgeX 1.x code
 - Reduce service image size (failing TAF checks in the case of command)
 - Priority
 - For June 30
 - At least remove endpoint routes in the handlers
 - Get rid of setting up of V1 database client (just the code to create the client)
 - Contracts: remove of v1 model/v1 client (could be other modules too)
 - After June 30 - 2.0.1
 - Code for the actual endpoints



- Code behind the V1 database clients
- Kubernetes - nothing new to report
- UI - may not deliver full UI by Jun 30. Will be part of 2.0.1 if missed and will deliver parts completed as beta for Ireland.

ADR Review

- ADR metrics collection - went over high level organization and what it now addresses (service metric collection and push to topic vs CPE and/or system management aggregation).

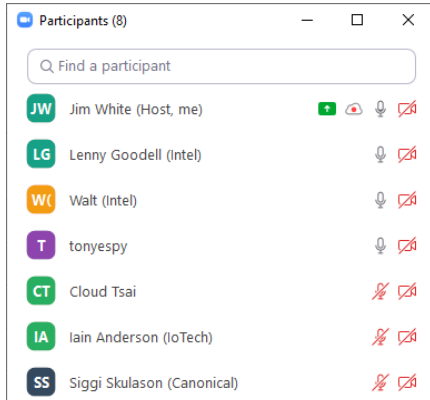
New Business

- Timeout issue (per Lenny and other email exchange)
 - Lenny's suggestion good - add Max Request Size - int
 - Tony to reply with any additions
- CORS (Cross Origin Resource Sharing)
 - New SDK issue request: <https://github.com/edgexfoundry/device-sdk-go/issues/916>
 - From edgex-go past: <https://github.com/edgexfoundry/edgex-go/issues/1913>
 - (Lenny) FYI, utility for CORS. We could do this in our REST middleware handler. <https://github.com/intel-iot-devkit/automated-checkout-utilities/blob/0dd0e1e344399f3042b1f64b82ccbc2d2e0333aa/utilities.go#L69>
 - Yes we want to address CORS
 - Yes we want it to be handled in a common way - but separate code in edgex-go, SDKs
 - Is there common request handling in bootstrap or somewhere??
 - Bootstrap does setup the HTTP handler but could it deal with setting up CORS
 - Do we need to address the need (original) with Kong (CORS plugin needs to be enabled with Kong)
 - <https://docs.konghq.com/hub/kong-inc/cors/>
 - Jakarta issue
- Event Tagging (per [SDK Go 915](#)) - Cloud's suggestion approved
- Rename autoevent [frequency to interval](#): approved per Cloud's suggestion



5/6/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Ireland tasks update
- Bug/Backlog triage - dropping things back to icebox
- Service List ADR review
- Metrics ADR review (time permitting)

New

- Go Lang 1.16
- Service name key change

Old Business

Ireland

Note: The Taiwan team is down a few people. We have suspended the weekly bug report and Gantt chart until further notice. We are pretty much wrapped up on V2 APIs and this may not be as necessary going forward.

Update from Cloud:

- Support scheduler - just a few bugs being cleaned up
- Notifications work - bulk of the work in this area (sending a notification)
 - Implemented REST channel for notifications first
 - Email upcoming
 - Secret provider for all for email password
- TAF tests ongoing - almost on par with V2 API development (finished scheduler testing)
- System management - started implementing the general API & moving APIs to V2
 - Ping/version APIs first (easy) - to resolve consul issue
 - V2 API design/model



(plus QA/Test, System Management and UI)

- Update the service APIs (config, start / stop, etc.)
- (<https://app.swaggerhub.com/apis/edgexfoundry1/system-agent/1.1.0>)
- Consumption - as part of V2 API implementation
 - Using V2 client
- ~~○ SMA uses config toml to get its list of static list of services that can be augmented by env vars - with two env vars one for add and one for remove~~
 - Jim to verify it does work via some config file - **discussed in email**
 - **Change to init.go -> iterate over the clients list from configuration**
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June
- Message bus support (with DS to App services)
 - PRs started (**Lenny has first out**)
- Test - Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland.
 - Built into the new client now - env var can be set to true always be CBOR
 - We'll also need Modbus in V2 in order to do the performance tests.
- CLI update to V2
 - **Jim has started conversion work**
- Removal of EdgeX 1.x code
 - Reduce service image size (failing TAF checks in the case of command)
 - Priority
 - For June 30
 - At least remove endpoint routes in the handlers
 - Get rid of setting up of V1 database client (just the code to create the client)
 - Contracts: remove of v1 model/v1 client (could be other modules too)
 - After June 30 - 2.0.1
 - Code for the actual endpoints
 - Code behind the V1 database clients
- Kubernetes - nothing new to report
- UI - nothing new to report

Icebox Exercise

These were covered in the meeting. Jim to move the lists back to icebox.

- <https://github.com/orgs/edgexfoundry/projects/25#column-14073193>
- <https://github.com/orgs/edgexfoundry/projects/25#column-14073470>



ADR Review

- [ADR service list](#) - reviewed and will cover in Monthly Architect's meeting (May 17). Goal of May 17 meeting would be to agree on requirements, context and alternatives and then make some decisions about prioritizing requirements and limiting considerations (for example: EdgeX will not support a distributed service list without using Consul).
- [ADR metrics collection](#) - not reviewed in this meeting. To be reviewed at the next meeting.

New Business

- Go Lang 1.16 (core WG chores)
 - Developers upgrade as needed
 - Update go-mods (Jim)
 - [edgex-go](#) ✓
 - [go-mod-bootstrap](#) ✓
 - [go-mod-contracts](#) ✓
 - [go-mod-secrets](#) ✓
 - [go-mod-messaging](#) ✓
 - [go-mod-registry](#) ✓
 - [go-mod-configuration](#) ✓
 - [edgex-cli](#) (with rework for V2 on branch) ✓
 - Update Dockerfiles/Dockerfile.build (Jim)
 - [edgex-go](#) ✓
 - [go-mod-bootstrap](#) ✓
 - [go-mod-contracts](#) ✓
 - [go-mod-secrets](#) ✓
 - [go-mod-messaging](#) ✓
 - [go-mod-registry](#) ✓
 - [Go-mod-configuration](#) ✓
 - Update [snapcraft.yaml](#) (Tony)
 - Includes core, app and device services Snapcraft
 - In some cases, the README needs updating ✓
 - Let VMWare / UI team know to update edgex-ui-go ✓
- Service name key change - discussion; anything else needed Lenny?

4/29/21

Attendees:

EdgeX Foundry Core Working Group



(plus QA/Test, System Management and UI)



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- Ireland tasks update

New

- Lenny: Change to Redis as default MessageBus now?
- Bug and Backlog Triage
- ADR Service list

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNqpc9LaMjQOwwHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0

Ireland

- Past week - focus on fixing bugs (especially on command service)
- Go Lang 1.16 has been verified
 - Individuals can upgrade as needed
 - Jim to coordinate with Ernesto today
 - Jim to use TSC next week to announcement
- Support notifications work ongoing (complete around end of May)
 - Secret provider for all for email password
- TAF tests ongoing (complete around May 15 - now estimated at 80%)
- System management - **modified v1 path to update to v2 path**
 - Ping/version APIs first (easy) - to resolve consul issues
 - V2 API design/model
 - Update the service APIs (config, start / stop, etc.)
 - (<https://app.swaggerhub.com/apis/edgexfoundry1/system-agent/1.1.0>)
 - Consumption - as part of V2 API implementation
 - Using V2 client
 - ~~SMA uses config toml to get its list of static list of services that can be augmented by env vars - with two env vars one for add and one for remove~~
 - Jim to verify it does work via some config file
 - ~~Health check under SMA - disable under configuration already done~~
- Integration / use of V2 APIs and any issues - May & June



(plus QA/Test, System Management and UI)

- Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June
- Message bus support (with DS to App services)
 - PRs started
- Test - Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland.
 - Built into the new client now - env var can be set to true always be CBOR
 - We'll also need Modbus in V2 in order to do the performance tests.
- CLI update to V2
- Removal of EdgeX 1.x code
 - Reduce service image size (failing TAF checks in the case of command)
 - Priority
 - For June 30
 - At least remove endpoint routes in the handlers
 - Get rid of setting up of V1 database client (just the code to create the client)
 - Contracts: remove of v1 model/v1 client (could be other modules too)
 - After June 30 - 2.0.1
 - Code for the actual endpoints
 - Code behind the V1 database clients

Kubernetes - nothing new to report

UI - working on Kuiper and app service integration (bringing from old UI into new)

CLI - nothing new to report

New Business

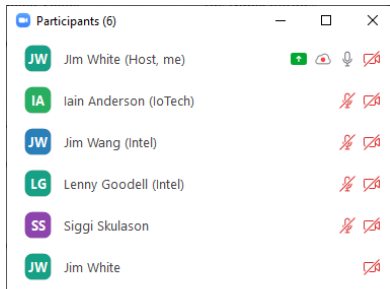
- Lenny: Change to Redis as default MessageBus now?
 - Switch config in core data is all that it takes.
 - For Ireland - Redis is default message bus
 - Good to start that move now to see if we have any issues
 - Performance tests would see if we have any issue in performance in this switch - but only a few messages going through the system so it may not show an issue
 - Scalability tests still need to be update to V2 ("Modbus scale testing")
 - **Decision:** switch now (as soon as Lenny can change it)
- ADRs - Jim to put review of both of these on upcoming agendas
 - [ADR service list](#)
 - [ADR metrics collection](#)
- Backlog and bug triage
 - What moves to the icebox
 - Jim to remind everyone via Slack



- Next week, formally move out of Icebox or discuss issue that needs to remain

4/22/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- Ireland tasks update

New

- CG board review (time permitting)
- LLRP (app service) - how much info about errors do we reply with in a result
 - Ex - marshal error: just say marshal error or do we also provide a string that says why it is not able to be marshaled.
 - Need generic policy.
 - Does and how would the generic policy apply to logs as well
 - Monthly Architect Meeting topic
 - Current and temporary decision: provide enough detail as to allow a developer to debug and understand the error. It is open source, so we don't have to worry about exposing company or organization secrets or IP.
 - Don't dump secrets to the error or log
 - Don't dump all the data to the error message or log outside of Debug logging. Services should be fairly silent in info and above production logging

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNqpc9LaMjQOwvHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0



Ireland

- V2 API and other Ireland work - update from Cloud
 - Support scheduler (internal mechanism - PR under review and under some rework) - basically completely
 - Support notifications work ongoing (complete around end of May)
 - Secret provider for all for email password
 - Now current focus
 - Also working on some bugs reported via testing
 - Test of Go Lang 1.16 upcoming
 - Scheduler interval action enable/disable issue: <https://github.com/edgexfoundry/edgex-go/issues/3375>. Decision: add admin state to interval action for Ireland per Cloud's recommendation.
 - Upgrading MQTT device service to V2 today
 - Custom configuration work still to be done too
 - TAF tests ongoing (complete around May 15 - now estimated at 80%)
- Attributes in device profile not string only (per message from Steve O)
 - Cloud and team to test
 - TOML parsing and Redis persisting - work fine
 - Can switch for attributes without issue
 - Protocol Properties issue:
 - Provision Watcher - supports regular expression (which needs to be a string)
 - **Decision:** let's change attributes. Let's explore provision watchers in the future (something for EdgeX 3.0). - Jim to create an issue
- System management
 - Ping/version APIs first (easy) - to resolve consul issues
 - V2 API design/model
 - Update the service APIs (config, start / stop, etc.)
 - (<https://app.swaggerhub.com/apis/edgexfoundry1/system-agent/1.1.0>)
 - Consumption - as part of V2 API implementation
 - Using V2 client
 - SMA uses config toml to get its list of static list of services that can be augmented by env vars - with two env vars one for add and one for remove - to be discussed in monthly architect's meeting
 - Health check under SMA - disable under configuration
 - Decision: ok if not impacting (Jim to check)
 - Doesn't appear to be a continual check - just a call when requested. See: <https://github.com/edgexfoundry/edgex-go/blob/9ab49d518b83cb6b5e0582986504b7992370b3fc/internal/system/agent/services.go#L24>
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June
- Message bus support (with DS to App services)

EdgeX Foundry Core Working Group



(plus QA/Test, System Management and UI)

- PRs started
- Test - Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland.
 - Built into the new client now - env var can be set to true always be CBOR
 - We'll also need Modbus in V2 in order to do the performance tests.
- CLI update to V2
- Removal of EdgeX 1.x code
 - Reduce service image size (failing TAF checks in the case of command)
 - Priority
 - For June 30
 - At least remove endpoint routes in the handlers
 - Get rid of setting up of V1 database client (just the code to create the client)
 - Contracts: remove of v1 model/v1 client (could be other modules too)
 - After June 30 - 2.0.1
 - Code for the actual endpoints
 - Code behind the V1 database clients

Kubernetes - nothing new to report

UI - nothing new to report

CLI - nothing new to report

New Business

- Core WG Board Review

4/15/21

Attendees:

A screenshot of a meeting application's participants list. The window title is "Participants (8)". At the top is a search bar with the text "Find a participant". Below this, there are two sections: "Waiting Room (1)" and "In the Meeting (8)". In the "Waiting Room" section, there is one participant named "tonyespy" with a status of "Joining...". In the "In the Meeting" section, there are eight participants: "Jim White (Host, me)", "Cloud Tsai", "Iain Anderson (IoTech)", "Jim Wang (Intel)", "Lenny Goodell (Intel)", "Siggi Skulason", and "Walt (Intel)". Each participant in the meeting has a small icon with their initials and a set of control icons (mute, video, chat, etc.).

Others may have been in attendance after roll was captured.



Agenda

Old

- Bugs and issues
- Ireland tasks update

New

- CG board review (time permitting)
- Go-toml & go-playground/validator upgrade
- env for client with dash in name
- Attributes in device profile not string only

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNqpc9LaMjQOwwHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0

Ireland

- V2 API - update from Cloud
 - Support scheduler (internal mechanism - PR under review and under some rework)
 - Support notifications work ongoing (complete around end of May)
 - Secret provider for all for email password
 - Upgrading MQTT device service to V2 today
 - Custom configuration work still to be done too
 - Discussion on device protocol properties in configuration may need to be relooked -> to device services working group
 - TAF tests ongoing (complete around May 15 - now estimated at 80%)
- System management
 - Ping/version APIs first (easy) - to resolve consul issues
 - V2 API design/model
 - Update the service APIs (config, start / stop, etc.)
 - (<https://app.swaggerhub.com/apis/edgexfoundry1/system-agent/1.1.0>)
 - Consumption - as part of V2 API implementation
 - Using V2 client
 - SMA uses config toml to get its list of static list of services that can be augmented by env vars - with two env vars one for add and one for remove - to be discussed in monthly architect's meeting
 - Health check under SMA - disable under configuration
 - Decision: ok if not impacting (Jim to check)
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June



(plus QA/Test, System Management and UI)

- Message bus support (with DS to App services)
 - PRs started
- Test - Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland.
 - Built into the new client now - env var can be set to true always be CBOR
 - We'll also need Modbus in V2 in order to do the performance tests.
- Removal of EdgeX 1.x code
 - Reduce service image size (failing TAF checks in the case of command)
 - Priority
 - For June 30
 - At least remove endpoint routes in the handlers
 - Get rid of setting up of V1 database client (just the code to create the client)
 - Contracts: remove of v1 model/v1 client (could be other modules too)
 - After June 30 - 2.0.1
 - Code for the actual endpoints
 - Code behind the V1 database clients

Kubernetes - nothing new to report

UI - addressing final touches on heels of V2 API work

CLI - nothing new to report

- Concerns about updating to V2

New Business

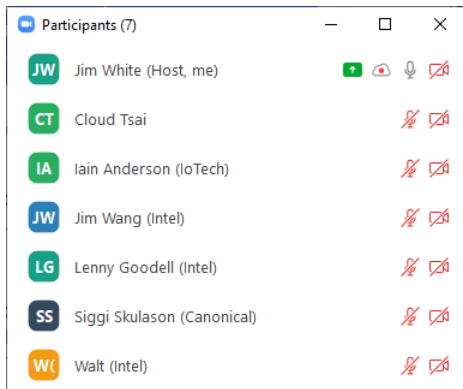
- Core WG Board Review
- go-toml & go-playground/validator upgrade
 - These dot releases provide fixes and not and non-backward compatible breaking changes
 - They pass the CI unit tests
 - Decision: approved for use (Jim to handle vote with TSC)
- env for client with dash in name
(<https://github.com/edgexfoundry/edgex-compose/issues/61>)
 - Decision (in issue record) - move to underscores as standard for env vars.
- Attributes in device profile not string only (per message from Steve O)
 - Cloud and team to test
 - Lower in priority work

4/8/21

Attendees:



(plus QA/Test, System Management and UI)



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- Ireland tasks update
 - Parameters to core command query
- Config path to 2.0 - good to go for April 7th
- EdgeX 1.0 code removal (out of core and supporting services)
- System Management - what needs to be done for Ireland?

New

- CG board review (time permitting)

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNgpc9LaMjQOwwHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0

Ireland

- Core command - query parameters
 - **Decision:**
 - New property called: parameters to contain array of parameters LIKE `[[resourceName: "ABC", valueType: "string"], { resourceName: "DEF", valueType: "int16" }]`
 - If that is not enough to call on the convenience endpoint or full profile endpoint to get other details (like units, etc.)
 - Parameters could be applied to both GET (the expected return - resourceNames) and SET (what you need to send)
 - Need to update the Swagger file to suggest this with parameters
- V2 API - update from Cloud
 - Support scheduler
 - scheduling mechanism - started implementation (close to V1 with a little refactoring); PR pending - likely tomorrow
 - Support notifications work ongoing (complete around May 6th)



(plus QA/Test, System Management and UI)

- Secret provider for all for email password
- Side note: ~~change configuration to use consul attribute to not include security configuration in consul (DeviceList []DeviceConfig`consul:"")~~
Lenny/Jim Wang
- Also updating the Device Service SDK - to address issues
- Modbus updating to V2 API to allow for real device connection
 - Will need some tweaking to address Consul secure additions (change of configuration.toml to include secret store stanza to be aware of)
 - Model after changes made to device virtual (draft PR showing how to do this)
 - Dockerfile change - must be alpine based and installed dumb-init
- TAF tests ongoing (complete around May 15 - now estimated at 80%)
- System management (TBD - topic continued today)
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June
- Message bus support (with DS to App services)
 - PRs started
- Path to config 2.0 - Done
- Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland. Lenny and Jim to work out what test for this might look like.
 - Built into the new client now - env var can be set to true always be CBOR
 - We'll also need Modbus in V2 in order to do the performance tests.
 - **Question for future meeting:** do we have an event client for message bus (like we have event client for REST)? Creating a dependency between go-mod-messaging and go-mod-contracts - is this ok, or a problem.

Kubernetes - nothing new to report

UI - nothing new to report

CLI - nothing new to report



(plus QA/Test, System Management and UI)

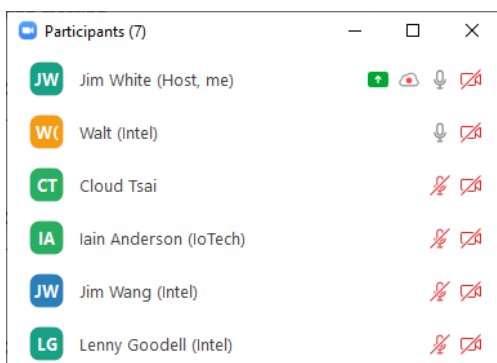
- **Systems Management service for V2** - what needs to be done
 - Priorities
 - Ping/version APIs first (easy) - to resolve consul issues
 - V2 API design/model
 - Update the service APIs (config, start / stop, etc.)
 - (<https://app.swaggerhub.com/apis/edgexfoundry1/system-agent/1.1.0>)
 - Consumption - as part of V2 API implementation
 - Using V2 client
 - Issue: dynamic service addition (app or DS) or removal (notifications)
 - Security PR will need to address the access token for SMA - for its own config provider
 - SMA uses config toml to get its list of static list of services that can be augmented by env vars - with two env vars one for add and one for remove
 - Solicit via email for input
 - Add SMA refactor architect monthly meeting for long term solutions
- **Removal of EdgeX 1.x code**
 - Reduce service image size (failing TAF checks in the case of command)
 - Priority
 - For June 30
 - At least remove endpoint routes in the handlers
 - Get rid of setting up of V1 database client (just the code to create the client)
 - Contracts: remove of v1 model/v1 client (could be other modules too)
 - After June 30 - 2.0.1
 - Code for the actual endpoints
 - Code behind the V1 database clients

New Business

- Core WG Board Review

4/1/21

Attendees:



Others may have been in attendance after roll was captured.



Agenda

Old

- Bugs and issues
- Ireland tasks update
 - Parameters to core command query
- Compose file reorganization
- Config path to 2.0 - good to go for April 7th
- Service Provider - service key needed; additions to bootstrapping (per Jim Wang last week)

New

- EdgeX 1.0 code removal (out of core and supporting services)
- Secrets provider for all for notifications
- System Management - what needs to be done for Ireland?
- CG board review (time permitting)

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNqpc9LaMjQOwwHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0
 - One open issue to triage:
<https://github.com/edgexfoundry/edgex-compose/issues/39>
 - I think we can close this one; **decision- yes to close**

Ireland

- V2 API - **update from Cloud**
 - Support scheduler - done this week; **finished basic API**
 - Haven't implemented scheduling mechanism
 - Hope to copy much from V1 to V2
 - Support notifications work ongoing (complete around May 6th)
 - Secrets provider for all for email password - how hard??
 - Use secret client module; need endpoint (like in App service) to put secrets in Vault (not huge lift per Cloud)
 - Long term - a file to be provided to secrets setup (Lenny to do this for Ireland). Use file to provide secrets and used in production. Use endpoint in development or for quick update in production.
 - Side note: change configuration to use consul attribute to not include security configuration in consul (DeviceList []DeviceConfig `consul:"-") - Lenny/Jim Wang
 - Origin TS issue - addressed with Steve O (he'd prefer to have timestamps optional but it was decided in DS WG to leave required). All agree it should be nanoseconds. Issue was created to make sure we cover this in documentation. - **issue now considered closed and final**
- TAF tests ongoing (complete around May 15)
- System management (TBD - topic for today)



(plus QA/Test, System Management and UI)

- **Core command - query parameters**
 - **Cover via email pending from Cloud and discussion next week**
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June
- Message bus support (with DS to App services)
 - PRs started
- Path to config 2.0 - **April 7th (impacts TAF and app services)**
- Compose file reorg - **work on going by Lenny (working on release branches right now)**
- SecretProvider (for all) - service key needed; additions to bootstrapping
 - Jim Wang/Lenny to handle - anything further on this??
 - **Decision - keep token on file vs Vault**
- Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland. Lenny and Jim to work out what test for this might look like.
 - Built into the new client now - env var can be set to true always be CBOR
 - We'll also need Modbus in V2 in order to do the performance tests.
 - **Question for future meeting:** do we have an event client for message bus (like we have event client for REST)? Creating a dependency between go-mod-messaging and go-mod-contracts - is this ok, or a problem.

Kubernetes - nothing new to report

UI - up to where V2 APIs are at this time (notifications work)

CLI - nothing new to report

New Business

- Core WG Board Review - **not covered this week for other issue discussion**
- Systems Management service for V2 - what needs to be done
 - Priorities
 - **Ping/version APIs first (easy) - to resolve consul issues**
 - **V2 API design/model**
 - **Update the service APIs (config, start / stop, etc.)**
 - **(<https://app.swaggerhub.com/apis/edgexfoundry1/system-agent/1.1.0>)**
 - **Consumption - as part of V2 API implementation**
 - **Using V2 client**
 - Issue: dynamic service addition (app or DS) or removal (notifications)
 - **Use security services approach: use env vars**
 - **Wouldn't be dynamic, but would allow new services to be picked up on restart (quick and easy way to fix)**
 - **To be discussed and finalized at next week's meeting**
- Removal of EdgeX 1.x code
 - Reduce service image size (failing TAF checks in the case of command)

EdgeX Foundry Core Working Group



(plus QA/Test, System Management and UI)

- Priority
 - At least remove endpoints
 - Get rid of setting up of V1 database client
 - Contracts: remove of v1 model/v1 client
 - This is done on App Services and device services SDKs namespace
 - Health check callback in bootstrap also cleaned up for v2
 - To be reviewed at next week's meeting due to time constraints this week
- Timing (stretch goal for Ireland - but moving a lot up into this release. Could some of it be done in 2.0.1?)

3/25/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- Ireland tasks update
- Config/data/profile migration strategy

New

- CG Board
- EdgeX 1.0 code removal (out of core and supporting services)
- Compose files - how to organize our compose files per folder - especially when there is a dot release
- Service Provider - service key needed; additions to bootstrapping

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNqpc9LaMjQOwvHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0
 - One open issue to triage: <https://github.com/edgexfoundry/edgex-go/issues/3281>
 - Jim will respond to seek more info and close accordingly.

Ireland

- V2 API - update from Cloud



(plus QA/Test, System Management and UI)

- CBOR work completed
- Core Refactoring work left: removing created timestamp on Event/Reading
 - API in core data that is using the created timestamp (query for events by created timestamp)
 - Plan to switch query to use origin vs. created timestamp
 - Issue - origin is not required right now
 - **Decision - make it required**
 - Issue#2 - Origin is in nanoseconds; query's are expecting millisecond;
Decision - leaning to nanoseconds because this level of accuracy might be important/needed in some use cases.
 - Jim to check with Steve Osselton on requirements for nanosecond TS and make sure this is documented going forward.
 - There is a requirement to never have clashes on timestamps (both Go and C SDK enforce this - on event and readings)
 - Create an issue to make sure the decisions here land in the documentation (edgex/swagger) - Jim to address
- Support/notifications work ongoing (complete around Apr 12)
- TAF tests ongoing (complete around May 10)
- Clients (just support clients left - April 12 target)
- System management (TBD)
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June
- Message bus support (with DS to App services)
 - PRs started
- Configuration (for 2.0.1 release)
 - Target date??? ~~August 15??~~ - rather than a date, just stipulate that it should be 6 weeks past 2.0 release?
 - Consul and Redis migration (go executables)
 - Use IOTech's DCT to do profile migration
- Path to config 2.0 - April 7th (impacts TAF and app services - slack with Mike)
- Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland. Lenny and Jim to work out what test for this might look like.
 - Built into the new client now - env var can be set to true always be CBOR
 - We'll also need Modbus in V2 in order to do the performance tests.
 - **Question for future meeting:** do we have an event client for message bus (like we have event client for REST)? Creating a dependency between go-mod-messaging and go-mod-contracts - is this ok, or a problem.

Kubernetes - nothing new to report

UI - nothing new to report



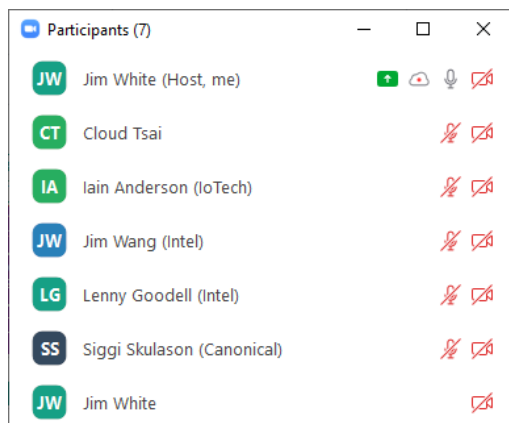
CLI - nothing new to report

New Business

- Core WG Board Review - time did not allow this to be reviewed
- Compose files - how to organize our compose files per folder - especially when there is a dot release
 - **Decision** - pending TSC approval next week:
 - Releases moved to branches
 - Remove “release” folder - compose files go to root
 - We need a detailed readme to explain where /how to find the compose file your looking for
 - TSC topic for next week
 - Documentation will need to point to branch and not release folder
- SecretProvider (for all) - service key needed; additions to bootstrapping
 - We don't have a way to get the service key to generate a Consul token
 - Need a way for the service to pass in a key to create the token
 - Jim Wang/Lenny to handle
- Removal of EdgeX 1.x code - Did not cover in this meeting due to lack of time. To be covered in the next meeting
 - Reduce service image size (failing TAF checks in the case of command)
 - At least remove endpoints
 - Timing (stretch goal for Ireland)

3/18/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- Ireland tasks update

EdgeX Foundry Core Working Group



(plus QA/Test, System Management and UI)

- Config/data/profile migration strategy

New

- CG Board
- Get rid of created timestamp in Event/Reading
- UI Demo

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNqpc9LaMjQOwwHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0
- Couple of bugs/items have been discovered by the UI team that is now using the V2 APIs (all the way to scheduler so far)
 - #3264, #3259



Ireland

- V2 API - update from Cloud
 - CBOR work (still in progress)
 - Core Refactoring work: SourceName, profile changes, etc. (in progress)
 - Support/notifications work ongoing (complete around Apr 12)
 - Finished profile modeling work and applied it to the SDK
 - Device Virtual upgraded to support / use V2 (PR still under review)
 - UI discovery topic
 - Multiple requests/multiple responses
 - Response code is not always applicable to all responses
- TAF tests ongoing (complete around May 10)
 - Device Virtual is the only device service used in TAF testing
- Clients (just support clients left - April 12 target)
 - CBOR in core client - done
- System management (TBD)
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June
- Message bus support (with DS to App services)

Config/data/profile migration strategy

- Per TSC:
 - AS and DS teams will look at tool/script to convert configuration.toml
 - Edgex-go config changes not all that hard to just document
 - See link below for list of config changes in edgex-go
 - https://docs.google.com/presentation/d/1rKjV9K1xYPLPDI2J89oBX6yQG1BoEsfRCX2m-z7Ynvo/edit#slide=id.gc755505ddc_0_6
 - Core WG to look at Consul and Redis migration
 - How to tackle - done in go and take advantage of go-mod-configuration and part of the CLI
 - Has to be on a per service basis
 - For Redis - only metadata (core data is ephemeral)
 - Again -do it in go? Have client libs (copy code from both old and new libs) to access/make inserts
 - notifications/scheduler too
 - BWAG - month/month +
 - Look at potentially a 2.1 or 2.0.1 for tooling, fixes, and additional DS/AS, examples
 - Use IOtech's DCT to do profile migration (if available)
 - Possible to have this around time of tooling too
- Per TSC, everyone agrees that move to bump path of config to 2.0 in early April
 - Need to pick specific date - Decision: **April 7th**



(plus QA/Test, System Management and UI)

- Impacts TAF testing which uses 1.0 in Path
- App services may be the only impact
- Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland. Lenny and Jim to work out what test for this might look like.
 - Built into the new client now - env var can be set to true always be CBOR
 - We'll also need Modbus in V2 in order to do the performance tests.
- **Question for future meeting:** do we have an event client for message bus (like we have event client for REST)? Creating a dependency between go-mod-messaging and go-mod-contracts - is this ok, or a problem.

Kubernetes - nothing new to report

UI - Demo at the end of this meeting

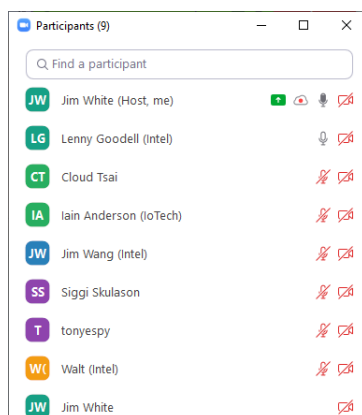
CLI - nothing new to report

New Business

- Core WG Board Review (if needed)
- Get rid of created timestamp in Event/Reading - any issues/warnings
 - [https://github.com/edgexfoundry/go-mod-core-contracts/blob/master/models/event.g](https://github.com/edgexfoundry/go-mod-core-contracts/blob/master/models/event.go)
[o](#)
 - **Decision:** yep - let's remove it.
- UI Demo (time permitting)
 - <https://youtu.be/ul3SRsy-k2o>
 - @ start - service info/telemetry stats
 - @ 3:20 Device Wizard
 - @ 7:45 auto event management
 - @ 9:45 scheduler interval and Interval action defs

3/11/21

Attendees:



Others may have been in attendance after roll was captured.



Agenda

Old

- Bugs and issues
- Ireland tasks update

New

- CG Board
- Monthly Architect topics

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNqpc9LaMjQOvwHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0



Ireland

- V2 API - update from Cloud
 - CBOR work done. CBOR Client work?
 - Core Refactoring work: SourceName, profile changes, etc.
 - Bruce working
 - PRs out for review
 - Support/notifications work ongoing (complete around Apr 12)
- TAF tests ongoing (complete around May 10)
- Clients (just support clients left - April 12 target)
 - CBOR in core client (Cloud checking)
- System management (TBD)
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June
- Message bus support (with DS to App services)
- Conversion tools, scripts, documentation
 - Configuration changes
 - App services
 - configuration.toml/Hanoi->configuration.toml/Ireland?
 - For edgex-go services: what would people have customized
 - **Need to confirm** that changes in these would still be in Ireland config
 - Some clean up of config to be done
 - **Jim** to do a comparison between service configs
 - Changes that may need tool or documentation on changes
 - Security
 - DS
 - App Services
 - **Jim** to que up WG leads to explore config changes and discussion on migration strategy
 - **Jim** to tee up for TSC meeting next week
 - Consul Hanoi configuration -> Consul Ireland configuration?
 - Do we need a tool to do the conversion
 - Survey the field - what would they need
 - Side issue: Bump path to 2.0 (impact TAF test scripts, but easy resolve)
 - Should move some device services up to SDK 2.0 first
 - Then update SDK to v2.0
 - **Coordinate at the next TSC meeting**
 - Profile changes
 - Use IoTech tool to convert from 1.0 to 2.0
 - Documentation
 - Device list, autoevents, etc. being moved to separate file
 - Structural changes and moved to JSON



(plus QA/Test, System Management and UI)

- Possibly use metadata to drive device list file?
- Support configuration.toml too?
- Survey the field
- To be discussed in DS WG.
- Database migration?
 - Part of the discussion at next weeks TSC
- Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland. Lenny and Jim to work out what test for this might look like.

Kubernetes - nothing new to report

UI - Demo next week

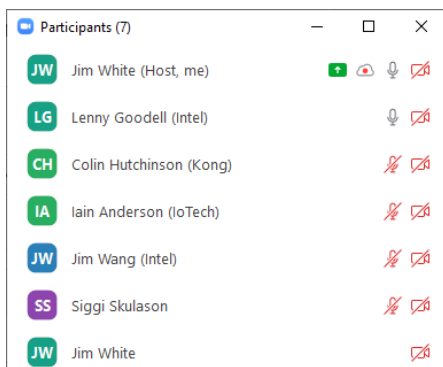
CLI - nothing new to report

New Business

- Monthly Architect's meeting - any new issues or issues that should rise to the top - NO
- Board updates - some updates of effort labels on non-tagged backlog items

3/4/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- V2 API update

New

- CBOR asynchronous vs non-async
- Idea of Addressable for Notifications

Old Business

Current Issues/Bugs/PRs

EdgeX Foundry Core Working Group



(plus QA/Test, System Management and UI)

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNqpc9LaMjQOwwHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0

V2 API update - update from Cloud

- Working on notifications and scheduler services
- Also working on source name changes (to AutoEvent and Event)
- Device Service / Device Profile remodeling next week



(plus QA/Test, System Management and UI)

Ireland Target: work remaining

- CBOR work - being worked (should be done this week)
- TAF tests (working - completed around May 10)
- Clients (just support clients left - April 12 target)
- System management (TBD)
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June
- **Message bus support (with DS to App services)**
- Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland. Lenny and Jim to work out what test for this might look like.

Kubernetes - nothing new to report

UI - Hanoi and Ireland UIs really looking good; new device wizard added to both.

Will try to have a demo of these for this WG in the next meeting or two (see the UI meeting recording if interested)

CLI - nothing new to report

New Business

- **CBOR asynchronous vs non-async: see**
<https://github.com/edgexfoundry/edgex-go/pull/3202>
 - **Decision: per comments in the PR, publish initially encoded object to (not re-encoding) async to message bus (app service) while simultaneously validate/persist in (separate go function)**
 - **If persistence fails, it does not impact message publication (cow is already out of the barn)**
 - **Let app service (or whatever is on the other end of the message bus) deal with bad/invalid data**
- **Idea of Addressable for Notifications: see**
<https://github.com/edgexfoundry/go-mod-core-contracts/issues/523>. **Suggestion coming from Tony (that will be added to the associated PR) - let's name it Address vs Addressable so as not to confuse it with the old addressable object.**
- **Decision Ireland: Versionable - required on request/response objects and Event (because App Service can receive just an Event) DTO; for other objects, version is optional**
- Board updates

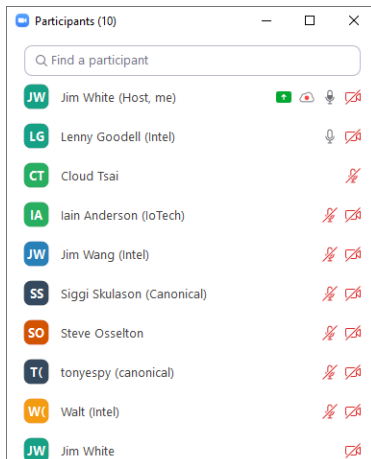
2/25/21

Attendees:

EdgeX Foundry Core Working Group



(plus QA/Test, System Management and UI)



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- V2 API update
- Core command and other profile changes (per Cloud, Iain, Tony and others)

New

- None

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNngpc9LaMjQOwwHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0

V2 API update - update from Cloud

- Core done with CBOR work started (PR open tomorrow)
- Scheduling and notification API work underway
 - Suggesting changes in DTO for the REST calls (reuse the same structure to describe the endpoints - something like addressable; full URL and method)
 - Cloud to provide design via issue and share through core mailing list
 - From Lenny - nice to have host name overridable via command line or compose env.

Ireland Target: work remaining

- CBOR work - being worked
- TAF tests
- Clients
- System management
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data



- Documentation - May/June

Other Ireland work

- Per monthly architect's meeting and DS Meeting
 - Drop coreCommands from profile
 - **Decision: agreed**
 - Add attribute to deviceResource and deviceCommands to indicate visibility to core command service (replacing coreCommands)
 - **Decision: yes - call is coreCommands. The default will be true for now. This will expose all deviceResources and deviceCommands to core command service by default.**
 - Cloud researching possible other changes to profile (read/write v get/set in deviceResources vs deviceCommands, etc.)
 - **Decisions:**
 - In deviceCommands, remove the get/set section.
 - In deviceCommands, rename "parameter" to "defaultValue"
 - In deviceCommands, add a readWrite indicator to show whether get or set for the deviceCommand is allowed. The readWrite property can be more restrictive than the associated readWrite property for the deviceResource but it cannot reverse or relax the restriction of the deviceResource (example, make a deviceCommand 'R' when the deviceResource is 'W' or make the deviceCommand 'RW' when the deviceResource is 'W').
 - In deviceCommands, use a single resourceOperations section.
 - Example:
deviceCommands:
-
 name: "Switch"
 coreCommand: true
 readWrite: "RW"
 resourceOperations:
 - { deviceResource: "SwitchButton", defaultValue: "false" }
 - For historical reference, the old deviceCommands section would have looked like:

deviceCommands:
-
 name: "Switch"
 get:
 - { deviceResource: "SwitchButton" }
 set:
 - { deviceResource: "SwitchButton", parameter: "false" }
 - SourceName added to EventDTO



- Also used in AutoEvents
- Adding a new convenience API on metadata to get deviceResources for a profile.
 - /deviceresource/profile/{profileName}/resource/{resourceName}
- **Issue: Do we need a new convenience method for get coreCommands?**
Scheduled for next Architect's meeting (unless we want to resolve it sooner)
 - For command service
 - Making things consistent for get deviceResources and get coreCommands
 - **OBE - no core command method. To understand commands available, you must ask for device Commands and device Resources that are exposed**
- Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland. Lenny and Jim to work out what test for this might look like.

Kubernetes - nothing new to report

UI - nothing new to report

CLI - nothing new to report

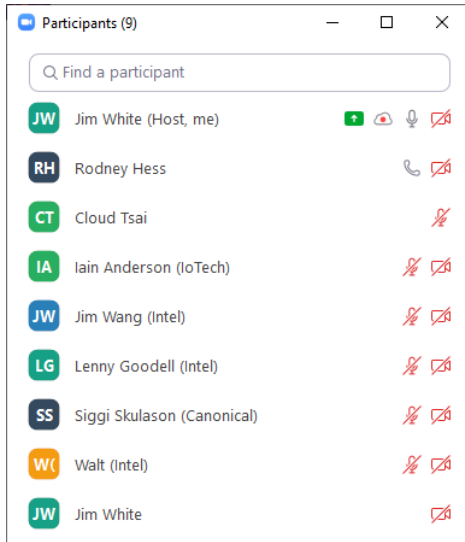
New Business

- Board updates
 - Reviewed and deemed to close:
<https://github.com/edgexfoundry/edgex-go/issues/3015> due to no support for Redis Cluster today and we think this issue is not going to exist in V2.
- **Moved all compose files to new edgex-compose; developer-scripts is archived**
-



2/18/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- V2 API update
- Ireland Timeline
- Add source issue

New

- Device resource via metadata API
-

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNgpc9LaMjQOwwHtnXGbsEU/edit#slide=id.gbbda15f58d_0_0

V2 API update - update from Cloud

- Completed core command APIs (core services are done with exception of CBOR support - target next week)
- Updated DS SDK Go to use new the core APIs (haven't run through full tests yet)
 - Applying to virtual and modbus DS next in order to test
- Supporting services are WIP (notifications/scheduling)



Ireland Timeline

- Most V2 API done by April (- sys mgmt)
 - CBOR work
 - TAF
 - Clients
- System management
- Integration / use of V2 APIs and any issues - May & June
 - Consumption points
 - Core data to metadata
 - Metadata to notifications
 - Scheduler to core data
- Documentation - May/June
- What's left???
 - Message bus - haven't made many steps yet in this area (DS to AS with Core tag on); may not be a heavy lift
 - What is the primary implementation for message bus (TBD - TSC)
 - Redis (kuiper doesn't have the password)
 - Doesn't require broker but in secure mode the password issue
 - MQTT
 - Secured MQTTS a stretch for Ireland

Other Ireland work

- Should we add 'source' to the Event DTO and Model last week?
 - Discussed the idea of adding "source" on event per Lenny suggestion. This could be useful to understand, at the Event level, what led to the event - but at the cost of another field (which might be redundant to the resource name when just the resource is requested).
Decision was made to wait for Tony/Cloud/Iain input next week.
 - Clarification - add SourceName and not Source
 - IOtech is adding CommandName to V1 for customer need - so this seems to be in line with this direction
 - **Decision:** Yes - add to Event
 - AutoEvent has Resource and this would be changed to SourceName as well.
 - In coreCommand section of the device profile - we have a "name" field but should also a sourceName.
 - Allow "name" to be arbitrary and have "sourceName" that identifies which "deviceCommand" or "deviceResource" is being referred to. When there is both a deviceCommand and a deviceResource, the deviceCommand takes precedence over deviceResource of the same name.
 - Make name optional. When not provided, it will default to sourceName.
 - The sourceName would be required.
 - There was further discussion around whether all the redundancy in Event and Reading is a good thing. Could we remove device profile and device name fields in reading (and just use those in Event).



(plus QA/Test, System Management and UI)

- Issue was whether anyone would need to query Readings and need the profile or device name when they just pulled Readings independently.
- Are there other places where Readings become divorced from Events and we need to consider the consequences of duplicating fields in each? If so, would it be better just to have Readings have a reference to its “owning” Event?.
- **This issue will be taken up in the monthly architect’s meeting.**
- Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland. Lenny and Jim to work out what test for this might look like.
- Consul update to 1.8.1. New lib approval needed - <https://github.com/hashicorp/go-hclog>
 - Attribution PR to merge once lib approved; fixes attribution check issue
- Board cleaned up - closed a lot of already completed issues

Kubernetes - nothing new to report

UI - nothing new to report

CLI - nothing new to report

New Business

- Per Monthly Architect’s meeting on Tuesday
 - As we know the data we need resides in the `DeviceResource` within `DeviceProfile`. More specifically it is the `PropertyValue` within the `DeviceResource` that is needed. Both the App Services and Kuiper Rules Engine need this information. Neither need to know anything about a `DeviceProfile`. They only need to know about `properties` of a `DeviceResource` for which a `Reading` was received.
 - Rather than forcing both App Services and Kuiper to have knowledge of `DeviceProfiles`, where to find the resource properties within and code to process them, I am proposing a new simple Core Metadata end point `/deviceresource/properties/{profileName}/{resourceName}` which returns the `PropertyValue` DTO for the specified `resourceName` from the profile specified by `profileName`. This keeps the knowledge in Core Metadata of how and where `Resource Properties` are stored within a `DeviceProfile`. Then App Services and Kuiper Rules Engine only have knowledge to the data they actually need. Both will cache the data rather than looking it up each time.
 - As we discussed in today’s meeting, there is no need to invalidate the cache as only adds of device resources will be allowed. The properties for any newly added resources will be looked up the first time a `Reading` is received that uses them.
 - OR
 - Just get/cache the profiles and dig out the device resources internal to the app services
 - Additionally core command does this today with regard to core commands and profiles. Should there at least be symmetry between these types of requests?



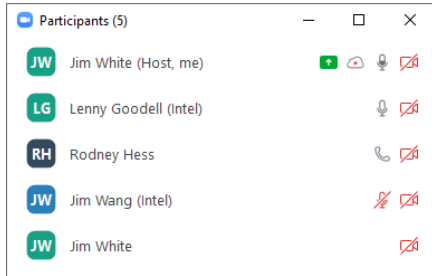
(plus QA/Test, System Management and UI)

- As another option, we could put the convenience methods in the client (allowing the app service the means to get what it wants but don't add it to metadata directly)?
 - This option was considered but rejected because the client is Go-only and would require any other language such as C to have or implement it on its own.
- **Decision:** create a convenience method on metadata for getting device resources. Specifically provide a GET device resource method (other PUT, POST, DELETE methods are not needed at this time and would be added only when a use case is defined) that has the following structure:
 - /deviceresource/profile/{profileName}/resource/{resourceName}
- It was also decided that we may want to offer similar convenience for commands for the command service to use. But there was a discussion about whether it was just for core commands or should include device commands. This decision was deferred to the next meeting to allow everyone to explore the needs before making a decision. **[Jim to add this to the agenda for the next meeting.]**
- **Decision:** As a related but independent part of the discussion, it was also decided that PropertyValue be changed to ResourceProperties in the device profile. Also, the structure of the profile should be changed to remove the intermediate "values".
- Finally, due to all of the issues about what Metadata should offer with regard to device resources/commands/etc, it re-raised the issue about whether Core Metadata and Core Command should be combined. This is a topic on the architect's monthly list. **[Jim will elevate it in the discussion list.]**
- Board updates



2/11/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- V2 API update
- Other updates if necessary (UI, Kubernetes, CLI)

New

- Core WG board
- Add source issue

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNqpc9LaMjQOwwHtnXGbsEU/edit#slide=id.g8aa2d85d1a_0_3

V2 API update

- Cloud and team out until Feb 16 (Happy Chinese New Year)
- **Jim to ask Wendy/Cloud to provide timeline for support clients, TAF testing on the Gnatt chart.**

Other Ireland work

- A [project board](#) and start tracking breaking changes (config changes, etc.) has been setup per meeting request last week
- Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland. Lenny and Jim to work out what test for this might look like.
- Consul update to 1.8.1 in applicable services. Wiki updated (also a note added to address what release the versions apply)
 - **Attribution file issue with update that is causing CI/CD to break because additional libraries are being brought in.**

Kubernetes - nothing new to report

UI - nothing new to report (Chinese new year so no meeting next week)



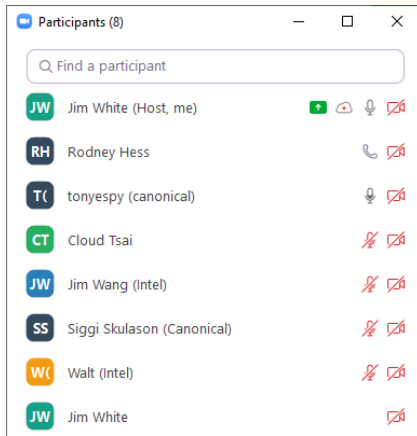
New Business

- Should we add 'source' to the Event DTO and Model?
 - Discussed the idea of adding "source" on event per Lenny suggestion. This could be useful to understand, at the Event level, what led to the event - but at the cost of another field (which might be redundant to the resource name when just the resource is requested).
Decision was made to wait for Tony/Cloud/Iain input next week.
- Board updates
 - Jim to go through and clean up closed items and bugs that are not being addressed with additional information requested from issuers.



2/4/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- V2 API update (Cloud)
- Other updates if necessary (UI, Kubernetes, CLI)

New

- Consul 1.8.1
- Core WG board
- New core command requirement

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNngpc9LaMjQOwwHtnXGbsEU/edit#slide=id.g8aa2d85d1a_0_3
- Specifically to be addressed
 - <https://github.com/edgexfoundry/go-mod-core-contracts/issues/476>
 - Waiting for filer response to Lenny. **Jim will close this issue if no response by next week.**

V2 API update from Cloud

- Core work remaining -> Command (done this week), CBOR, TAF testing
- Team is also working simultaneously on consuming API in SDKs
- **JIM to do: create a project board and start tracking breaking changes (config changes, etc.)**
- Allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel) - on hold as a stretch goal for Ireland. **Lenny and Jim to work out what test for this might look like.**



(plus QA/Test, System Management and UI)

- Do we have an issue in place to take care of the decision to move put/set/write to use the consistent language (set)? - **Yes Cloud opened**
- ADR update to <https://docs.edgexfoundry.org/1.3/design/adr/device-service/0002-Array-Datatypes/> to remove the “implementation for V2” - **Cloud/Lenny/Tony on the review**

Kubernetes - nothing new to report

UI - UI work going well

- Device wizard
- Updated to Angular
- Using V2 APIs

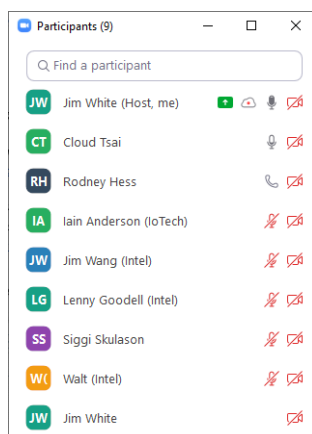
CLI -

New Business

- **Consul 1.8.1 - Dependabot catch. Per Lenny:** We are now on the latest Consul Server 1.9.1 and both API PRs (registry and configuration) pass all our unit tests so I am comfortable there we don't have any breaking changes with this bump and best to stay up on the latest.
 - **Decision:** ok to move this up to 1.81.
 - **Jim update mod-approval list in Wiki.**
- Board updates

1/28/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- Dot release
- V2 API update (Cloud)



(plus QA/Test, System Management and UI)

- Other updates if necessary (UI, Kubernetes, CLI)

New

- Issues raised by Cloud and Monthly Architect's meeting
 - CBOR decision
 - ADR for Array Datatypes
 - Put/Set/Write commands for actuator
 - Client config
 - Core Command no longer uses the database
 - It uses Metadata
- Core WG board

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNngpc9LaMjQOvwHtnXGbsEU/edit#slide=id.g8aa2d85d1a_0_3
- Specifically to be addressed
 - <https://github.com/edgexfoundry/edgex-go/issues/3033>
 - **Decision - feature add for Jakarta (stretch for Ireland)**

Dot Release

- Where are we at with Metadata changes on Hanoi branch (for admin/op state fix and any go-mod-messaging updates to address ZMQ issue)?
- **Go-mod-messaging update on Hanoi branch done by Lenny/Tony**
- **Metadata changes for admin/op state to be done by Cloud and Team this week.**
- **Developer script work for Hanoi dot being done in a new branch by Lenny**

V2 API update from Cloud

- **Starting of core command, schedule and notifications**
- **Core data/metadata - patch some features missed (CBOR and object checking)**

Kubernetes - nothing new to report

UI - nothing new to report

CLI

- CLI - Malini and Diana off to other endeavors
- CLI Hanoi dot release ready (includes config fix)
- Decision in Architect's meeting to create DS and AS templates and then figure out where to put the tooling
 - **Where to put the templates and how to script (cover in App and DS WG)**
 - **Let's learn from past experience (minimal templates, kept up to date and working)**

New Business

- **CBOR decision per Monthly Architect's meeting**
 - **Decision:** for Ireland - no change



(plus QA/Test, System Management and UI)

- For Jakarta (or stretch for Ireland) – allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel)
- Perhaps we need some testing in Go SDK and DS; even full workflow test to see if there are significant gains across
- Could we run this through Modbus scalability tests to see results - **passing on to TestQA for backlog work**
- Per Cloud: we have an ADR for Array Datatypes, and we are using a simple way in V1. May we discuss how to deal with this in V2 or keep it the same?
 - <https://docs.edgexfoundry.org/1.3/design/adr/device-service/0002-Array-Datatypes/>
 - Adding a new ArrayReading, and it has an additional field Values []string
 - Could just leave the ValueType constants as-is, and not have isArray?
 - **Decision:** Keep V1 implementation/design (**Jim to update the ADR**)
- We use the term Put/Set/Write commands for actuator in EdgeX V1.
 - **Decision** per DS working group: use Get/Set consistently throughout profile, commands, etc.
 - As a result of the discussion, also a suggestion to:
 - Have coreCommands in the device profile default to all deviceCommands
 - Unless coreCommands are explicitly entered, overriding the defaults.
 - Added complexity - “All” device commands and all device resources
 - Scenarios when you don’t have deviceCommands (but have device resources)
 - **Decision:** this default idea is dead. Will not do it. Keep things explicit.
- Per Monthly Architects meeting - relative to these two (somewhat orthogonal but related) issues:
 - <https://github.com/edgexfoundry/go-mod-core-contracts/issues/449>
 - <https://github.com/edgexfoundry/edgex-go/issues/2424>
 - Decision in the Monthly Arch’s meeting of 1/26/21 was:
 - We will use service keys in configuration.toml files
 - Service keys are defined in <https://github.com/edgexfoundry/go-mod-core-contracts/blob/master/clients/constants.go>
 - Both issues above – should be addressed by this decision
 - Add to agenda in Core WG to make sure everyone is aware/ add to cross cutting concerns because this hits everyone.
 - **Decision:** finalized per above. Issues already updated.
 - Want to look at look at refactoring creation of clients in one place (current in init.go)
 - Because we are going to be making changes in init.go, the opportunity exists to fix this too - **Lenny’s got this.**
- Core Command no longer uses the database
 - It uses Metadata
 - Does Command cache or does it always ping metadata - answer, no cache
- Docker file name changes are ready - wait until Monday to make the change so Jim can provide a note to everyone and give early warning.
- Board updates

EdgeX Foundry Core Working Group

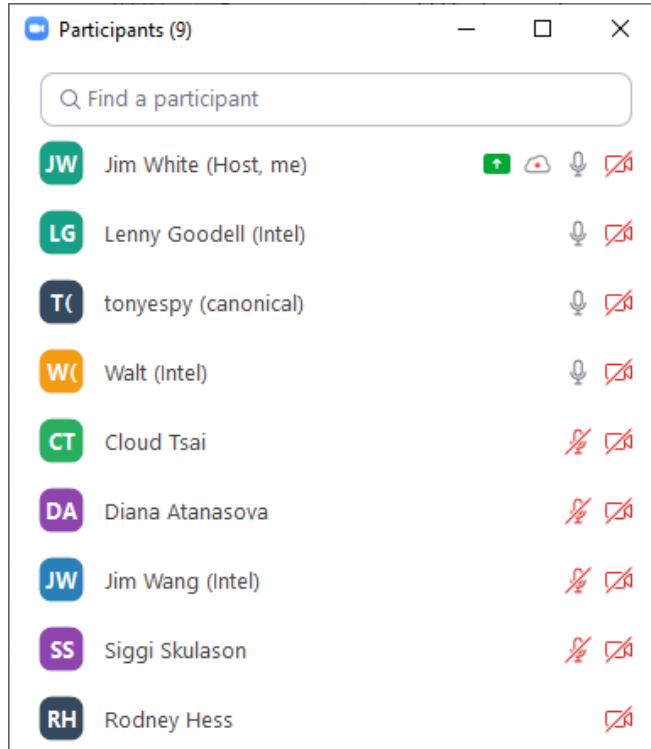


(plus QA/Test, System Management and UI)



1/21/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Review of Support service APIs - for V2 implementation

Old

- Bugs and issues
 - Some additional bugs covered under new business (below)
 - **Alert:** V2 modules vs V2 API not the same
 - For future work, make sure in core contracts, we can drop the V1 code and remove v2 subpackage (v2/v2 issue) once all V2 APIs are in
- V2 API update
 - Completed all the core data/metadata clients with command client WIP (exceptions: CBOR not in yet, callback not in, metadata checks which will be removed)
- Other updates if necessary (UI, Kubernetes, CLI)
 - CLI - no updates; change for snap are in
 - Create device or app service from template issue -> to be covered in the monthly architect's coverage

New



(plus QA/Test, System Management and UI)

- API version and DTO pushed to bus - PR right?
 - **Decision:** Factory method on Core Contracts/DTO to add version going forward
 - Temporary fix to be updated for Ireland
 - New Issue coming
- Constants for keys clients - similar to Icebox issues from Michael E.
 - Tabled to Arch's Monthly Meeting (Jan 26th)
- Metadata check when adding the event (device name, device profile or device resource name exists) - gets harder with message bus from DS to appl service directly
 - Already hard to check for CBOR
 - Do we just trust the event
 - Add a subscriber to check it if you need it.
 - Options:
 - Implement on Core data as optional
 - Pull it and add it back in if requested
 - **Decision: remove for V2**
 - Leave on the backlog a future validation function or service for a future release if we see a need or a 3rd party request (if event/reading sources can't always be trusted)
- Core WG board

Support Service API review

<https://app.swaggerhub.com/apis/EdgeXFoundry1/support-notifications/1.2.0>

Changes:

Change slug to name (notification)

<https://app.swaggerhub.com/apis/EdgeXFoundry1/support-scheduler/1.2.0>

Changes:

Drop CRON

Old Business

Current Issues/Bugs/PRs

- https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNngpc9LaMjQOwvHtnXGbsEU/edit#slide=id.gb569e2eba6_0_0

V2 API update

- Core data & metadata done with clients (some misc items like CBOR to be done with arch's input)

Kubernetes - nothing new to report

UI - data visualization work underway and nearing completion

CLI update

- PR for snap?

New Business

- CI Swagger-gen step failing for about a week (Colin H discovered).

EdgeX Foundry Core Working Group



(plus QA/Test, System Management and UI)

- Resolved by Ernesto
- Bring up on DevOps - need visibility on failings
- Board updates
- Start to create new Compose Repose (archive Dev Scripts)

1/14/21

Attendees:

A screenshot of a Zoom meeting attendee list. The title is "In the Meeting (12)". The list includes: Jim White (Host, me) with icons for video, audio, and chat; tonyespy (canonical) with audio and chat; Rodney Hess with phone and chat; Sigg Skulason (Canonical) with audio and chat; Cloud Tsai with chat; Diana Atanasova with chat; Iain Anderson (IoTech) with chat; Jim Wang (Intel) with chat; Lenny Goodell (Intel) with chat; Steve Osselton with chat; Walt (Intel) with chat; and Jim White with chat. At the bottom are buttons for "Invite", "Mute All", and a menu icon.

Others may have been in attendance after roll was captured.

Agenda

Old

- Dot Release
 - Feb 17
- Bugs and issues
- V2 API update
- Other updates if necessary (UI, Kubernetes, CLI)
- Attribution Files

EdgeX Foundry Core Working Group



(plus QA/Test, System Management and UI)

New

- Swagger gen issue
- Core WG board

Old Business

Dot Release - for Feb 17

- Includes
 - metadata updates of admin/op status
 - ZMQ issue
 - CLI missing configuration.toml
 - May also include EdgeX Ready announcement
- Branching of edgex-go, app func sdk, app serv config, CLI to be done by Bill M.
- **Go mod - branches?**
 - We pin to the appropriate tag for each artifact
 - At this time, only go mod messaging has fixes for Hanoi

Current Issues/Bugs/PRs

https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNqpc9LaMjQOwvHtnXGbsEU/edit#slide=id.g8aa2d85d1a_0_3

V2 API update

- Core data done; metadata nearly done (couple APIs left)
 - Change AddEvent that worked with array to single event
 - Clients nearly done
- Started work on Command
 - Removing all the ID related APIs
- Started work on Scheduler
 - Would like to remove CRON field (wasn't implemented in the code for V1 so it doesn't work)
 - **Decision:** if it didn't work before - "nuke it!"
- Notification API changes suggested by Cloud
 - Field called "slug" - would like to use "name"
 - Name would also be used for subscription (make it like event)
 - ID suffices
- Notification & Subscription: can we combine?
 - Lenny to research need
 - We could offer API on top to do both
- Need subscription added to client
- Need to make sure metadata does error when notifications is not on/running
 - About configuration and use of configuration to bypass call
- Should we go through APIs for support services before implementing?
 - Cover next week at Core WG
- Clients WIP
- TAF tests WIP
 - Modify existing TAF tests to meet exist design changes



(plus QA/Test, System Management and UI)

- CBOR vs JSON encode - explore one more time
 - Issue: performance and size of message along with ease of use
 - **Architect's meeting**; benchmarking, single side that walks through the issue - all helpful to the conversation
 - Example with device camera with binary readings

Kubernetes, UI - nothing new to report

CLI

- Part of a dot release
- Still iterating on issue with configuration - hoping today to have final review/merge
- Still need additional PR for snap

Attribution files - should now be fixed

New Business

- CI Swagger-gen step failing for about a week (Colin H discovered).
 - Resolved by Ernesto
 - Bring up on DevOps - need visibility on failings
- Board updates
- Start to create new Compose Repose (archive Dev Scripts)

1/7/21

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Bugs and issues
- V2 API update
- UI update
- Kubernetes update
- CLI update
- Mongo archival



New

- Core WG board

Old Business

Current Issues/Bugs/PRs

https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNqpc9LaMjQOwwHtnXGbsEU/edit#slide=id.g8eb5d9eeb3_0_0

- Go 1.14 - includes ability to kill Go routines (pre-empt them).
 - Impacts ZMQ. C calls or systems calls will include a chance to have an interrupt take place.
 - V 1.2.1 is latest version - Lenny re-opened the PR
 - 1.2.2 Dependbot
 - Are there other places in our Go code where interrupt could happen
 - Cloud and team to try this out. **It worked and took care of the issue (see dot release info below)**
 -



(plus QA/Test, System Management and UI)

- This requires Dot release (post Feb 11)
 - Branch from the 1.3.0 tag
 - Will require release of app service SDK
 - Kuiper guys? Need their input
 - No go-mod-messaging changes just for Ireland
 - Also include
 - Metadata: admin state/op state updates fix
 - CLI config toml
 - Device Service (all done before Feb 11)
 - Go SDK release 1.4.0 this week
 - DS released 1.x.1 before Feb at their discretion
 - C SDK will need a 1.3.1 release (to be determined timing)
 - Then C services after that

V2 API update

- Almost have the core services done
- Clients, Command and supporting services left
- Testing lagging but focus is correctly on getting the APIs and clients done first
- Event DTO
 - We have 2 DTO (EventDTO and AddEventDTO)
 - This is in relation to CBOR - how do we handle CBOR
 - The old way used (V1) single event CBOR encoded and now we use (V2) array of AddEventDTO CBOR encoded
 - AddEventDTO has the EventDTO embedded with additional field called request ID (for future message bus or other protocol use)
 - Options:
 - Leave what we are doing with EventDTO JSON
 - Or make consistent that it is always an AddEventDTO
 - **Decision:** V2 API for JSON needs to push array of AddEventDTO and not EventDTO
 - Secondary issue: all V2 APIs were built to handle arrays. Does this make sense for events?
 - We changed the APIs to allow for an array of events but we are not leveraging it.
 - **Decision:** keep as is with arrays
 - Keep it consistent with previous decision to have support for array of objects for future needs and future protocol support
 - CBOR vs JSON encode - explore one more time
 - Issue: performance and size of message along with ease of use
 - Architect's meeting; benchmarking, single side that walks through the issue - all helpful to the conversation
 - Example with device camera with binary readings
- Delete by ID in general (not for event)
 - No get by ID (per earlier meeting)
 - So why have Delete by ID?
 - **Decision:** yep, remove it now (add it back in if needed)



(plus QA/Test, System Management and UI)

- Delete Event by ID is still needed because an event does not have a name.
- Today:
 - Almost complete API in core metadata
 - Reading query in core data
 - Plan to complete PRs by Christmas
 - In new year, start work on CBOR support in Core Data and Core Command
 - Complete Core API by January
 - Working on Client libraries; allowing DS team to start working with V2 API
 - Removing the query by ID from Swagger file - Decision: Yes

Kubernetes

- Example now in edgex-examples (using MicroK8s and deployment file for either Hanoi or Geneva).
- Security features to be added
- Will reconvene the sub-project group to discuss next steps (Feb?)

UI

- Moving to new framework (Angular - with Go backend) - but separate work item
- Visualization - WIP
- 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)

CLI - now released and new snap in snap store

- Artifact configuration toml file issue
 - How to handle:
 - Do we need 2 files?
 - Delete template configuration file?
 - **Decision (subject to Diana's work and input):** CLI binary will take care of copying the file and specify to the user where that is on bootstrap start of tool. Defaults will not be in the code.
- Part of a dot release

Mongo Docker Github repository - archival requested.



(plus QA/Test, System Management and UI)

Scheduler - interval and interval actions, can we override? **No - you cannot**

- Lenny to check and work with Tony to file issue if necessary
- You can modify existing but not add new ones
- Issue to be created - not critical (low or medium level)
- Could have the same issue with Provision Watchers (Jim to check with Iain/Cloud)

New Business

- Board updates
- Attribution files
 - Duplicates of attribution.txt in all the services in edgex-go
 - Move to single file in base of edgex-go and push that to all artifacts (CI/CD process)
 - Put a comment in the attribution file that explains the attribution is for the entire repos (and not all attribution is applicable to all services) - Jim
 - Change to attribution files and docker file (Jim); snap change (Tony); potential CI/CD pipe changes (Ernesto)
- Go-mod-secrets dependabot issue - Jim to get with Lenny/Security
- Go mod updates discussion - Lenny handling dot (v patch) release upgrades. No issues on this and doing as we can. If issues come up Lenny will bring back to the group.