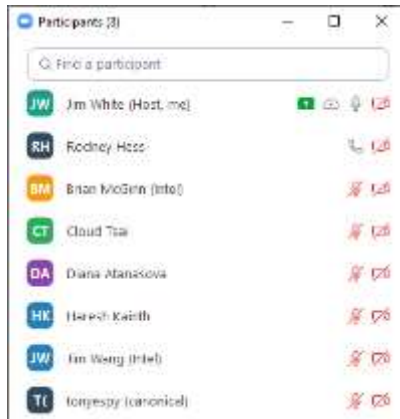




10/22/20

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Issues/PRs
- V2 API update
- CLI update
- ~~UI update~~ - NSTR
- ~~Kubernetes update~~ - NSTR

New

- Final dashboard triage/review - icebox (or label Ireland) backlog and bugs that are not happening to for Hanoi
- Lenny “stuff” on developer scripts
 - Restructure new compose stuff into “**compose-builder**”
 - clean up repo (presume)
 - Disposition old issues

Old Business

Current Status (Project board - as of 10/21)

- | | | |
|---------------------|------------------------|---------------|
| ● Backlog: 14(even) | In progress: 2 (-1) | Done: 127(+8) |
| ● Bugs: 9 (even) | Under review: 0 (even) | New: 1 (even) |



Issues

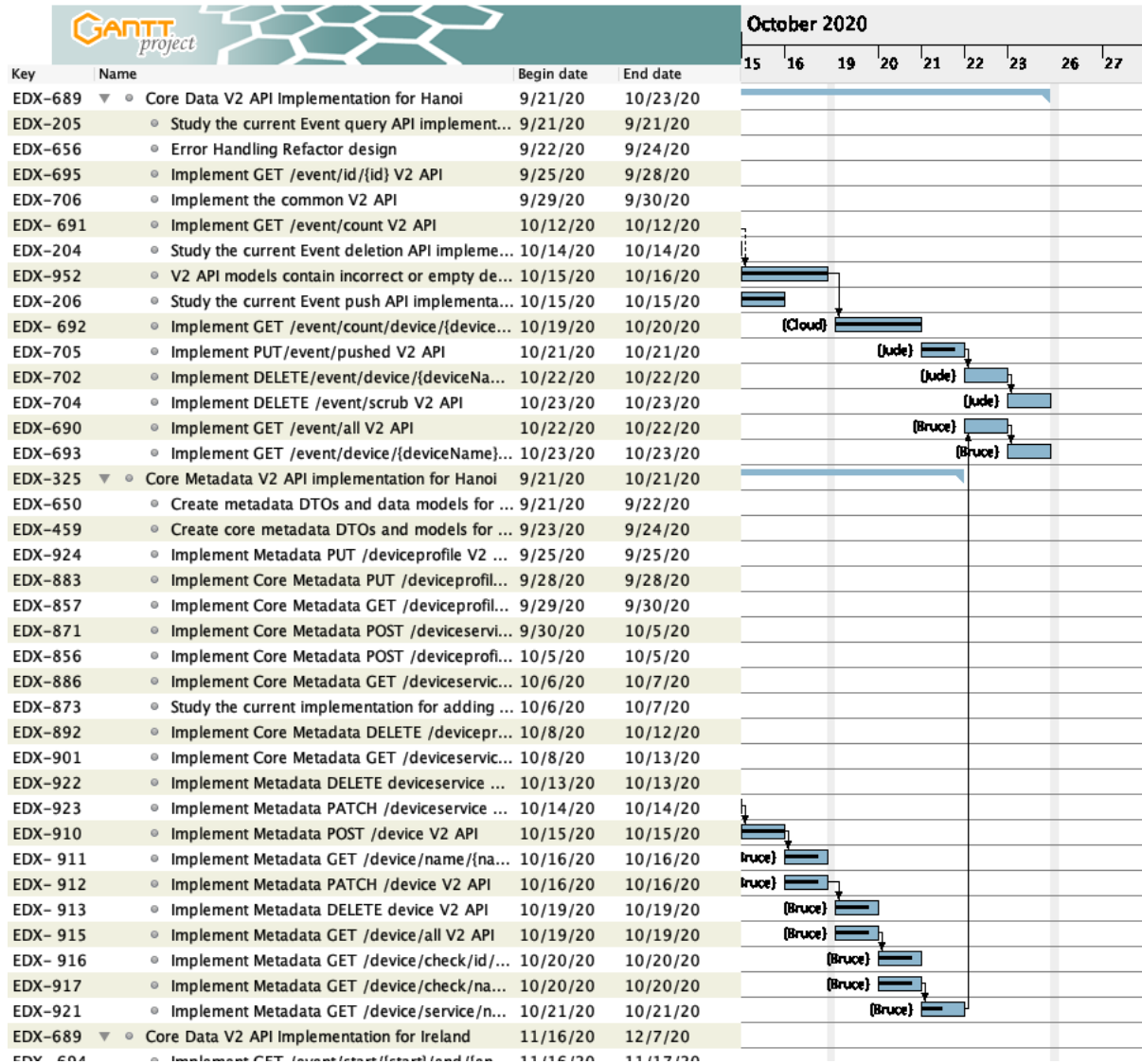
- Edgex-go
 - Fixed issue
 - Issue [#2775](#), [V2 metadata] Implement Metadata DELETE DeviceService V2 API.
 - Issue [#2754](#), [V2 metadata] Implement Core Metadata GET /deviceservice/all V2 API
 - Issue [#2784](#), [V2 data, metadata] Update to multiple responses schemas in Swagger file.
 - Issue [#2788](#), implement Core Metadata POST /device V2 API.
 - Issue [#2799](#), [V2 metadata] Implement Core Metadata GET /deviceprofile/all V2 API.
 - Issue [#2809](#), [V2 data] Implement GET /event/count/device/{deviceName} V2 API.
 - New issue
 - Issue [#2801](#), [V2] Discuss we should use id or name as the reference between objects.
 - Working issue
 - Issue [#2682](#), [notifications] support long / HTML email messages.
 - Issue [#2753](#), refactor the pkg.Encode func name more meaningful.
 - Issue [#2800](#), [V2 data] Implement Core Data PUT /event/pushed V2 API.
 - Issue [#2804](#), [V2 metadata] Implement Metadata GET /device/name/{name} V2 API.
 - Issue [#2803](#), [V2] GET /deviceservice/all returns inconsistent response when specifying labels or not.
 - Issue [#2812](#), [V2 metadata] Implement Metadata DELETE device V2 API.(ready for review)
 - Issue [#2814](#), [V2 metadata] Implement GET /device/all V2 API.(ready for review)
 - Issue [#2817](#), [V2 metadata] Implement device exists checking V2 API .(ready for review)
 - Issue [#2820](#), [V2 metadata] Implement PATCH /device V2 API.(ready for review)
 - Issue [#2826](#), [V2 metadata] Implement GET /device/service/name/{name} V2 API.(ready for review)
 - Issue [#2828](#), core Data logs event message at Info level which spams the logs.(ready for review)
- Go-mod-core-contracts
 - Fixed issue
 - Issue [#344](#), [V2] GET /deviceservice/all returns inconsistent response when specifying labels or not.
 - Issue [#347](#), [V2] Add more constants core-data and core-metadata.
 - Issue [#350](#), [V2 metadata] Add API route path for device.
 - Issue [#309](#), V2 API models contain incorrect or empty description.
 - Issue [#342](#), [V2] Remove xxResponseNoMessage helper functions.
 - Issue [#354](#), [V2 data] Update DTOs for UpdateEventPushed.
 - Issue [#356](#), App Services needs XML content type constant.
 - New issue
 - Issue [#343](#), [V2] Make sure the name field only contains the unreserved characters in RFC3986.
- Go-mod-messaging
 - Fixed issue
 - Issue [#70](#), `correlationId` constant value doesn't match that used by core data.

EdgeX Foundry Core Working Group



(plus system management and UI)

- API V2



- Review of the V2 API work - all PRs for Hanoi open by tomorrow
- Priorities correct for Hanoi? - yes
- Request to change
 - /event/device/{deviceName}/all
 - to
 - /event/device/name/{name}
- Priorities correct for start of Ireland?



(plus system management and UI)

- CLI update
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>
 - Current work:
 - Created PR for executing get/put commands on Core Command
 - Add attribution/license file to CLI (issue on build being resolved)
 - Build remove clean bug fix (Malini)
 - Still remaining work for Hanoi
 - Docs

New Business

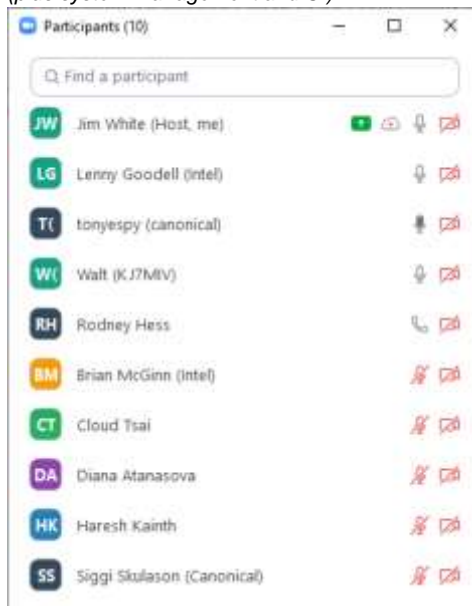
- Project dashboard - re-bucketize backlog and bug buckets
 - <https://github.com/orgs/edgexfoundry/projects/25>
- Lenny's Developer Scripts "stuff"
 - [PR 330](#) for adding device services
 - Restructure new compose stuff into "**compose-builder**"
 - New **compose-builder** Folder next to **releases**
 - These files are no longer release specific except the .env file with versions, etc
 - Default settings in .env file builds nightly-build release compose files
 - Then for new release dev tweaks .env and runs build for new release compose files. Same for update for a patch release.
 - **Hanoi by Lenny**
 - Clean up repo
 - Lots of unused scripts and files.
 - Tech debt for Ireland?
 - **Yes - Ireland**
 - Disposition old issues
 - **Jim to triage**

10/14/20

Attendees:



(plus system management and UI)



Others may have been in attendance after roll was captured.

Agenda

Old

- Issues/PRs
- V2 API update
- CLI update
- UI update
- Kubernetes update
- Dependabot update
- Template repo

New

- V2 API NoMessageResponse helper (per Lenny/Cloud exchange)
- Name field - special characters and unique names

Old Business

Current Status (Project board - as of 10/7)

- | | | |
|-------------------|------------------------|----------------|
| ● Backlog: 14(+1) | In progress: 3 (+1) | Done: 119(+12) |
| ● Bugs: 9 (-3) | Under review: 0 (even) | New: 1 (+1) |

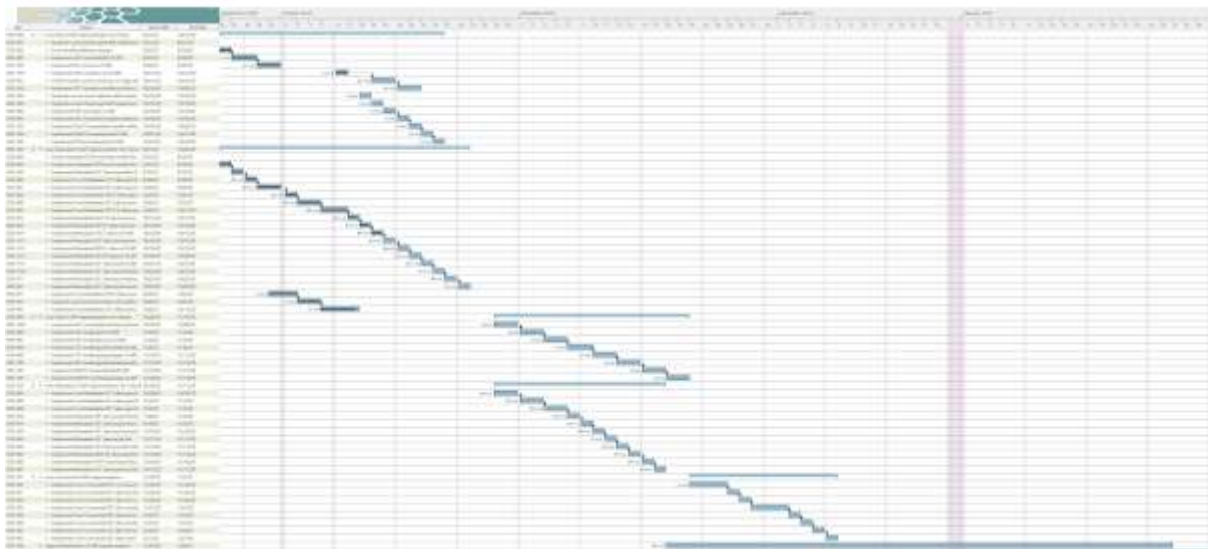
Issues

- Edgex-go
 - Fixed issue
 - Issue [#2770](#), [v2 core-data] Get event by id returns "readings": null.
 - Issue [#2772](#), [V2 metadata] Implement Metadata GET /deviceservice/name/{name} V2 API.
 - Issue [#2724](#), [V2] Correlatioin id key should be X-Correlation-ID.
 - Issue [#2769](#), [v2 core-data] 400 response content-type should be application/json.



(plus system management and UI)

- Issue [#2727](#), [V2 core-data] examples need to be updated in V2 API swagger file.
 - Issue [#1919](#), Add hooks for hardware-assisted protection of Vault Master Key to security-secretstore-setup.
 - Issue [#2763](#), [V2 metadata] Implement Core Metadata PUT /deviceprofile V2 API.
 - Issue [#2740](#), [V2] Bad request 400 response should be returned if there is any invalid object in the request array.
 - Issue [#2780](#), [V2 core-data] Implement /api/v2/event/count GET method.
 - Issue [#2777](#), Core Data not connect to RedisStreams MessageBus in secure mode..
 - Working issue
 - Issue [#2775](#), [V2 metadata] Implement Metadata DELETE DeviceService V2 API.
 - Issue [#2788](#), implement Core Metadata POST /device V2 API.
 - Issue [#2783](#), [V2 metadata] Implement Core Metadata PATCH /deviceservice V2 API.
 - Issue [#2754](#), [V2 metadata] Implement Core Metadata GET /deviceservice/all V2 API
 - Issue [#2682](#), [notifications] support long / HTML email messages.
 - Issue [#2753](#), refactor the pkg.Encode func name more meaningful.
 - New issue
 - Issue [#2757](#), [notifications] no sender / recipient metadata in SMTP message body.
 - Issue [#2790](#), [V2 metadata] Invoke deviceService callback API after adding or updating device.
 - Issue [#2784](#), [V2 data, metadata] Update to multiple responses schemas in Swagger file.
- Go-mod-core-contracts
 - Fixed issue
 - Issue [#326](#), [V2 metadata] Modified deviceProfile DTO to support PUT API.
 - Issue [#328](#), [V2] make the case of "Id" become consistent.
 - Issue [#330](#), [V2 core-data] Rename device field to deviceName in V2 Core Data query response DTO.
 - Issue [#332](#), [V2 API] Add new Response DTOs to return an array of objects.
 - New issue
 - Issue [#309](#), V2 API models contain incorrect or empty description.
- Go-mod-messaging
 - Fixed issue
 - Issue [#68](#), setting Redis Password for RedisStreams fails due to reflect on private filed being set.
- Go-mod-bootstrap
 - Fixed
 - [#111](#) Add support for env var that contain '='
- API V2





(plus system management and UI)

- Per last week, working toward completion of as much of core data/metadata to support device service API calls to onboard a new device (as a starting point to prototype with new V2)
- CLI update
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>
 - Current work:
 - Updated docs for new commands
 - Update device status command
 - 404 bug
 - Device Profile create/update commands PRs in
 - Issue command against core command - being working
 - This would be completion of MVP/high priority commands for Hanoi
 - V2 API client - will be version 2 of CLI; and separate instance
 - UI Work
 - [Roadmap](#)
 - Per UI meeting, work on data visualization and device wizard prototype; still work in progress
 - Recommended providing some screen shots to get reaction
 - Kubernetes Work
 - See wiki for meeting details. Action items
 - #1 - YAML file (deployment.yaml) that allows EdgeX as described above to be deployed in a K8s distro environment. Some documentation to provide a how-to-use, explain what is in the YAML, outline limitations, etc.
 - Per meeting this week, VMWare team working; should have something in a few weeks
 - #2 - A document outlining how to take a EdgeX Docker Compose file and deploy to a K8s pod using Kompose. Malini Bandaru of VMWare is taking the lead on providing this document/how-to-guide
 - Next meeting in late October or early November when some progress has been made. Look at Ireland scope
 - Ireland Planning items
 - See pre-wire notes
 - Dependabot review - all up to date
 - 5 patches merged (edgex-go and bootstrap)
 - Template issue from last week
 - Template-repo: need to make sure Wiki specifies how to use the template-repo when creating new repositories. (done)
 - Make sure LF is using it to create new repositories. (manual)

New Business

- V2 API NoMessageResponse helper (per Lenny/Cloud exchange)

EdgeX Foundry Core Working Group



(plus system management and UI)

- Get rid of all noresponse factory methods
- Name field - special characters and unique names
 - For now - only unreserved characters per <https://en.wikipedia.org/wiki/Percent-encoding>
 - Names are unique
 - To revisit for Ireland: relook use of identifier in model/DTO; may allow name to be modified in Ireland
 - May have some migration issues with names containing spaces (note in release notes)

10/8/20

Attendees:

A screenshot of a Zoom meeting participants list. The window title is "Participants (7)". The list includes: "EdgeX Working Group 1 (Host, me)" with a green plus icon, camera, microphone, and chat icons; "Lenny Goodell (Intel)" with microphone and chat icons; "Rodney Hess" with a phone and chat icon; "Cloud Tsai" with a chat icon; "Jim Wang (Intel)" with chat and microphone icons; "Siggi Skulason (Can...)" with a blue "Ask to Unmute" button and a blue "More >" button; and "tonyespy" with chat and microphone icons.

Others may have been in attendance after roll was captured.

Agenda

Old

- Issues/PRs
- V2 API update
- Conventional Commits Wrap up
- CLI update
- *UI update (nothing to report right now)*
- *Kubernetes update (nothing to report right now)*
- Dependabot checks
- Compose files with specific DS

New

??

Old Business

Current Status (Project board - as of 10/7)

- Backlog: 13(+1) In progress: 2 (even) Done: 107(+16)

EdgeX Foundry Core Working Group



(plus system management and UI)

- Bugs: 12 (-1)

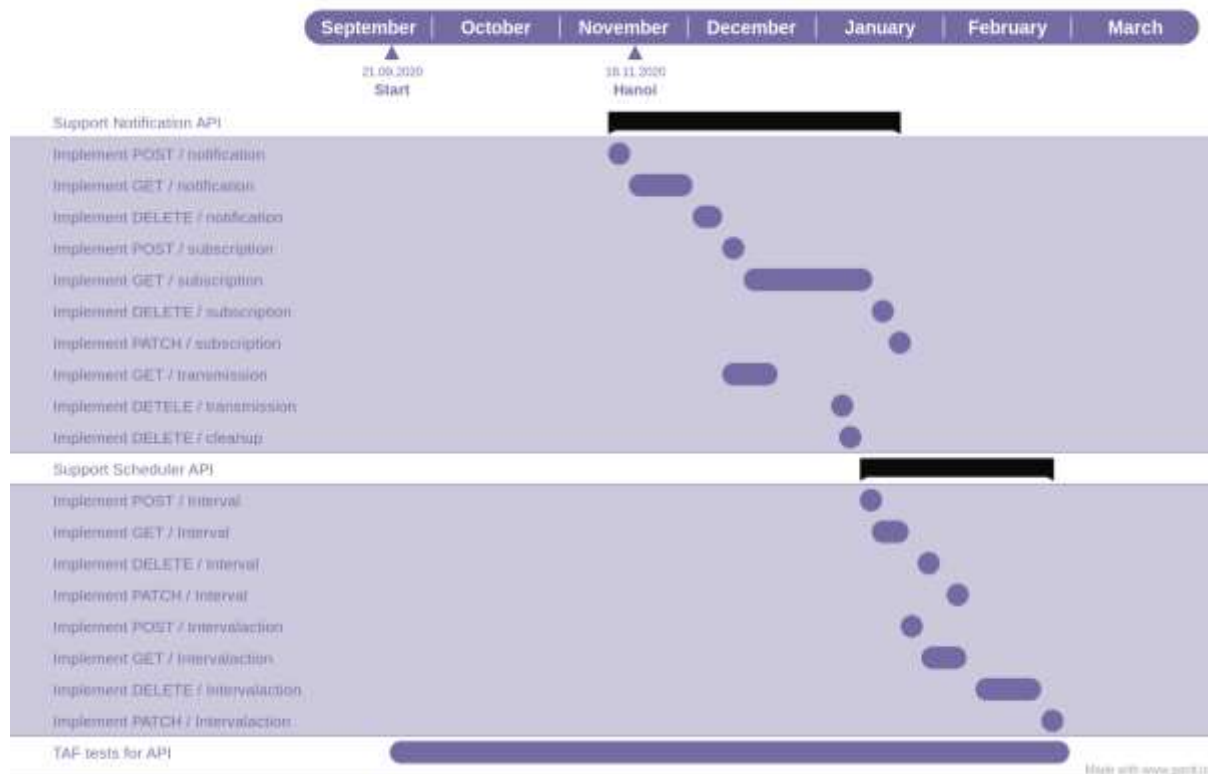
Under review: 0 (-2)

New: 0 (-1)

	Closed Issues	Working Issues (new)
edgex-go	#2729 (get device profile), #2728 (post device service), #2733 (put device profile), 2702 (metadata response examples), #2647 (improve validation logic on profiles), #2736 (check id is conflict on profile), #2738 (query not found log error), #2721 (config, ping, metrics for V2), #2669 (incorrect ordering in HTTP router), #2720 (Post response code not correct), #2697 (post device profile), #2719 (get event id by id 404), #2718 (contenttype not json), #2723 (check id is not conflicted on event)	2682 (notifications email enhancement), 2752 (metadata delete on profile), 2754 (metadata get on device service), 2724 (correlation id should be x-correlation-id), 2757 (no sender/recpt in SMTP message body notifications), 2753 (refactor pkg.Encode)
contracts mod		#285 Redis bootstrap, #289 (validation of type on V2's property value), #294 (add support to get current log level), #295 (format alternatives to log func), #309 (models contain incorrect or empty description)
Registry mod	#57 (deregister behavior)	

- API V2





- Targeting core data (and some of metadata) service V2 API for Hanoi.
- Currently working on core data and metadata simultaneously.
- Major progress: core metadata - device service (creation) & profile (update/query); working profile delete; service gets
- Device service get all (first query for multiple objects) - will include pagination
- Another query parameter: label. In v1 only allowed 1 label. V2 allows multiple labels - how do we approach multiple from an and/or conditional.
- Decision: use and (so if labels X and Y are used in query, both have to be associated with the object)
- For Hanoi release cycle, developers are allowed to submit V2 API PRs and comment on PRs, but between the freeze and the release date, no merges will be done (except for bug fixes)
- Development of the V2 APIs will be done at Cloud and teams discretion with focus on completing as much of the metadata APIs as possible to allow a device service team to eventually try out the new API shortly after the Hanoi release (and once the initial clients can be created).
- For this release, we will not necessarily have all of core data or any particular service API set done. It is preferred by the core working group that we work toward API completion in a way that allows developers to be able use the new APIs for certain activities (such as onboarding a device / device service and then sending data into core data).
- Cloud was instructed to try to lay out the API development in a manner that meets this objective. And rather than trying to pin the completion of an entire service's API set to a date, try to establish a list of APIs that are going to be



(plus system management and UI)

worked on for reaction by the core working group (allowing for some reprioritization where necessary).

- Delivery of V2 API for Hanoi will then be a collection of APIs across services to accomplish the goal (vs completion of any particular service API set).
- CLI update
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>
 - Scope/planning for Ireland complete (discussion at planning meeting)
 - Current work:
 - Refactor of commands that use TOML with JSON (except upload commands on device profile which are in YAML).
 - Added support for multiple deletion of objects
 - Update of operating status/admin state
 - [Roadmap](#)
 - Email sent on UI for device wizard. Feedback from Lenny.
- *UI Work (no updates this week - China holiday)*
- *Kubernetes Work - (no updates this week)*
 - See wiki for meeting details. Action items
 - #1 - YAML file (deployment.yaml) that allows EdgeX as described above to be deployed in a K8s distro environment. Some documentation to provide a how-to-use, explain what is in the YAML, outline limitations, etc. Jim to work with Gavin Lu of VMWare to see how much of this has already been done and if his team can provide this solution by Hanoi.
 - #2 - A document outlining how to take a EdgeX Docker Compose file and deploy to a K8s pod using Kompose. Malini Bandaru of VMWare is taking the lead on providing this document/how-to-guide
 - Next meeting in late October or early November when some progress has been made. Look at Ireland scope
- Conventional Commits: PRs in for all core WG repositories. Just a couple left to get approved.
- Ireland Planning items
 - Enhancement/new
 - V2 API completed -> EdgeX 2.0 and LTS -> certification
 - Generic Error Handling - Check in pre-wire if more is needed.
 - Integrate time series database
 - which one(s)
 - K8s support (if we have more to discuss per meetings)
 - UI next steps (not a lot to discuss, just confirm resource and scope at Ireland planning)
 - Device wizard
 - Data visualization
 - SMA integration (start stop restart, service status)
 - CLI next steps
 - V2 API



(plus system management and UI)

- Testing
- Add Security?? (stretch)
- Localization/I18n (stretch)
- Core service changes or enhancements
 - Core data -> support data - third
 - Message bus to core data - second
 - DS -> AS via msg bus - first
 - Command information made available for export
 - MQTT trigger on that path
- Service metrics and control events
- Tech Dept
 - Code clean up for backwards compatibility (rip out stuff that is provided for backward compatibility that won't be necessary; example config vars that uppercase and lowercase)
 - Upgrade path - between releases (now that we are trying to go to 2.0)
 - Especially around database persistence
 - Combine command and metadata services
 - Are there other services we combine (rationale?)
 - Violating micro service encapsulation by having shared database
 - Refactor to allow separation of data concerns (and database?)
 - Need for command service is still there if it does more than proxy.
 - What is the roadmap with this service? Need to come to closure on where this is going.
 - Remove value descriptor (where do the other elements go)
 - We need an endpoint that returns the value descriptor type of information (not just going to get all the device profiles)
 - Need syntax sugar / convenience for value descriptor "stuff" - used in app service - don't want to have to get the profile and weed through it for VD stuff
 - Value descriptor is lacking stuff like "units"
 - Archive mongo, logging, drools engine - plan to do, but no real issue to discuss (as long as Ireland is V2)
 - Sys Management list of default services (also an issue with security proxy setup)
 - How security handles it: services that setup proxy or tokens - add to env vars
 - Improve binary support - we have already content type
 - Cue this for architect discussion # - intertwine this with VD discussion - is there a better way to tag or describe what's in the binary payload (and should we allow)
 - Analytics off binary data
- Dependabot review - all up to date
 - 4 patches merged; 1 dot release marked to revisit
- Command options for device service inclusion to compose files - **Lenny handling**



New Business

- Template-repo: need to make sure Wiki specifies how to use the template-repo when creating new repositories. Make sure LF is using it to create new repositories.
- Should more be in the template repository?

10/1/20

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Issues/PRs
- V2 API update
- Conventional Commits
- Ireland "core" Scope finalization
- CLI update
- UI update
- Kubernetes update

New

- Dependabot checks
- Compose files with specific DS

Old Business

Current Status (Project board - as of 9/30)

- Backlog: 12(+4)
- Bugs: 13 (+8)
- In progress: 2 (even)
- Under review: 2 (even)
- Done: 94(+16)
- New: 1 (+1)

	Closed Issues	Working Issues (new)
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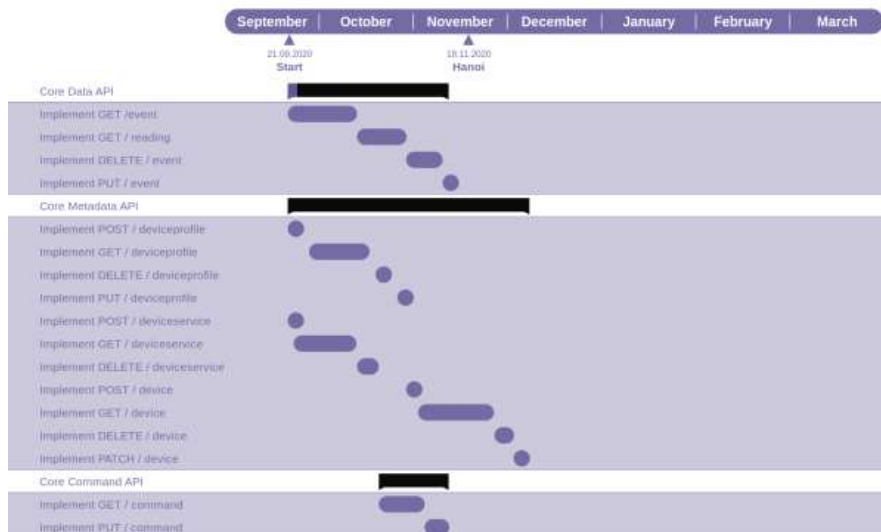


(plus system management and UI)

edgex-go	#2740 (dependabot), 2711 - API url case sensitive), 2716 (notify DS of change)	2690 (update V2 Swagger for Value Type), 2697 (device profile post V2 API), 2682 (notifications email enhancement), 2692 (ping to core metadata bug), 2696 (SMA set not in swagger), 2702 (core metadata API response), 2718 (response content/type not json), 2729 (V2 API get device profile), 2647 (validation logic add/upd profile), 2728 (V2 API post device service), 2723 (V2 API post event id conflict), 2719 (get event by id returns 404); 8 new issues too
contracts mod	#296 (dependabot), 302 (new error type for DS), 304 (AddEvent DTO doesn't pass id to Event)	#285 Redis bootstrap, #289 (validation of type on V2's property value), #294 (add support to get current log level), #295 (format alternatives to log func), #306 (UnmarshalJSON should not execute Validate), #310 (Add transform func for deviceProfile), #309 (models contain incorrect or empty description)
bootstrap mod	#91 (Dependabot), #98 (default startup duration - 60sec)	
Config mod	#14 (Dependabot)	
Registry mod	#51 (Dependabot)	
Messaging	#61 (Dependabot)	

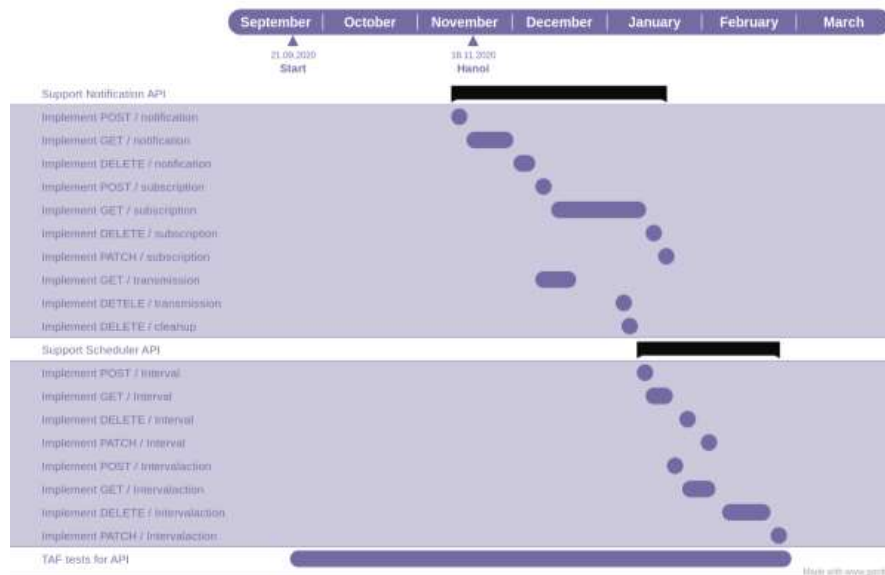
New issue triage: dev-scripts, [#319](#) - UI doesn't work. Lenny commented. Can we close? - Yes (Jim action)

- API V2





(plus system management and UI)



- Targeting core data service V2 API for Hanoi.
- Currently working on core data and metadata simultaneously.
 - Device Profile (Json and Yaml) APIs
 - Device Service (creation)
- CLI update
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>
 - Malini/Diana scope/planning for Ireland
 - Diana agrees with proposed scope for Ireland. Diana to send out response to the scoping email and then Jim to finalize with Diana/Malini
- UI Work
 - [Roadmap](#)
 - Email sent on UI for device wizard. Feedback from Lenny.
- Kubernetes Work - Meeting Sept 28
 - See wiki for meeting details. Action items
 - #1 - YAML file (deployment.yaml) that allows EdgeX as described above to be deployed in a K8s distro environment. Some documentation to provide a how-to-use, explain what is in the YAML, outline limitations, etc. Jim to work with Gavin Lu of VMWare to see how much of this has already been done and if his team can provide this solution by Hanoi.
 - #2 - A document outlining how to take a EdgeX Docker Compose file and deploy to a K8s pod using Kompose. Malini Bandaru of VMWare is taking the lead on providing this document/how-to-guide
 - Next meeting in late October or early November when some progress has been made. Look at Ireland scope
- Conventional Commits: Proposed types and scopes for approval (thanks Lenny for inputs)
 - edgex-go



(plus system management and UI)

- types: feat (for feature), fix, docs, style, refactor, perf (for performance), test, build, ci, revert
- scopes: core-data (or data), core-metadata (or metadata or meta), core-command (or command or cmd), snap, docker, security, scheduler, notifications, sma, deps (for dependencies), all
- all mods (bootstrap, core-contracts, messaging, registry, configuration)
 - types: feat (for feature), fix, docs, style, refactor, perf (for performance), test, build, ci, revert
 - scopes: **no scopes (custom scope if so inclined)**
- edgex-docs
 - types: feat (for feature), fix, style, build, ci, revert
 - scopes: [no scope for general docs or scope does not apply], intro (and getting started), api, adr, legacy-design, examples, **microservices**, ref (for reference), walk-thru
- edgex-cli
 - types: feat (for feature), fix, docs, style, refactor, perf (for performance), test, build, ci, revert
 - scopes: **no scopes (custom scope if so inclined)**
- edgex-ui-go
 - types: feat (for feature), fix, docs, style, refactor, perf (for performance), test, build, ci, revert
 - scopes: **no scopes (custom scope if so inclined)**
- docker-edgex-consul
 - types: feat (for feature), fix, docs, refactor, perf (for performance), ci, revert
 - scopes: **no scopes (custom scope if so inclined)**
- docker-edgex-mongo
 - types: feat (for feature), fix, docs, refactor, perf (for performance), ci, revert
 - scopes: **no scopes (custom scope if so inclined)**
- developer-scripts
 - types: feat (for feature), fix, docs, style, refactor, perf (for performance), test, build, ci, revert
 - scopes: no scope
- edgex-examples
 - types: feat (for feature), fix, docs, style, refactor, perf (for performance), test, build, ci, revert
 - scopes: app (for app services), deploy(for deployment) device (for device services), temp (for templates), security, all, or no scope if it does not apply to these
- DECISION: approved without dissent. Jim to work to get templates with these types/scopes in place.
- Ireland Planning items (agreed upon with items in red as additions)
 - Enhancement/new
 - V2 API completed -> EdgeX 2.0 and LTS -> certification
 - Generic Error Handling - Check in pre-wire if more is needed.



(plus system management and UI)

- Integrate time series database
 - which one(s)
- K8s support (if we have more to discuss per meetings)
- UI next steps (not a lot to discuss, just confirm resource and scope at Ireland planning)
 - Device wizard
 - Data visualization
 - SMA integration (start stop restart, service status)
- CLI next steps
 - V2 API
 - Testing
 - Add Security?? (stretch)
 - Localization/l8n (stretch)
- Core service changes or enhancements
 - Core data -> support data - third
 - Message bus to core data - second
 - DS -> AS via msg bus - first
 - Command information made available for export
 - MQTT trigger on that path
- Service metrics and control events
- Tech Dept
 - **Code clean up for backwards compatibility (rip out stuff that is provided for backward compatibility that won't be necessary; example config vars that uppercase and lowercase)**
 - Upgrade path - between releases (now that we are trying to go to 2.0)
 - Especially around database persistence
 - Combine command and metadata services
 - Are there other services we combine (rationale?)
 - Violating micro service encapsulation by having shared database
 - Refactor to allow separation of data concerns (and database?)
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 - What is the roadmap with this service? Need to come to closure on where this is going.
 - Remove value descriptor (where do the other elements go)
 - We need an endpoint that returns the value descriptor type of information (not just going to get all the device profiles)
 - Need syntax sugar / convenience for value descriptor "stuff" - used in app service - don't want to have to get the profile and weed through it for VD stuff
 - Value descriptor is lacking stuff like "units"
 - Archive mongo, logging, drools engine - plan to do, but no real issue to discuss (as long as Ireland is V2)
 - Sys Management list of default services (also an issue with security proxy setup)



- How security handles it: services that setup proxy or tokens - add to env vars
- Improve binary support - we have already content type
 - Cue this for architect discussion # - intertwine this with VD discussion - is there a better way to tag or describe what's in the binary payload (and should we allow)
 - Analytics off binary data

New Business

- Review Dependabot PRs
 - Skip minor releases for now (revisit then at start of Ireland dev cycle)
 - Exception for Testify??
 - Accept patch releases
 - Reject dot release and major release bumps; we will accept patch releases.
 - Subject to review of the particular Dependabot bump they want.
 - Jim/Lenny to work
- Should we add additional make command options for building custom compose files with specified device services
 - In Geneva users have to uncomment the additional device service(s), but in Hanoi the generated compose files will not have any of the commented out device services.
 - All the commented Device Services will not be present in standard compose files
 - Add options for each device service (ds-rest, ds-mqtt, ds-virtual, etc)
 - `make gen ds-rest` generates secure with just device rest
 - `make gen no-secty ds-rest ds-modbus` generates non-secure with device rest & device modbus
 - Decision: do this during code freeze for Hanoi release
 - Lenny to work this
 - We'd also need to update the getting started docs (along with README that already exists) to alert people to this feature.
 - Allows users to create a custom compose file with the specific device services they need.
 - Our default committed compose files would still just have ds-rest & ds-virtual

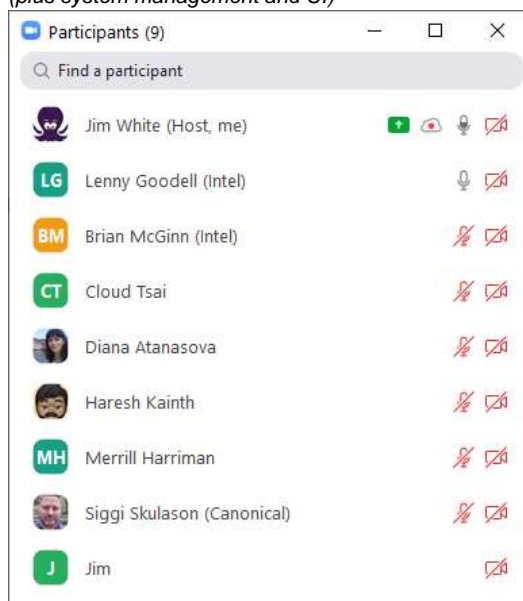
9/24/20

Attendees:

EdgeX Foundry Core Working Group



(plus system management and UI)



Others may have been in attendance after roll was captured.

Agenda

Old

- Issues/PRs
- V2 API work
- CLI work
- UI work
- Kubernetes work

New

- Conventional Commits
- Ireland



Old Business

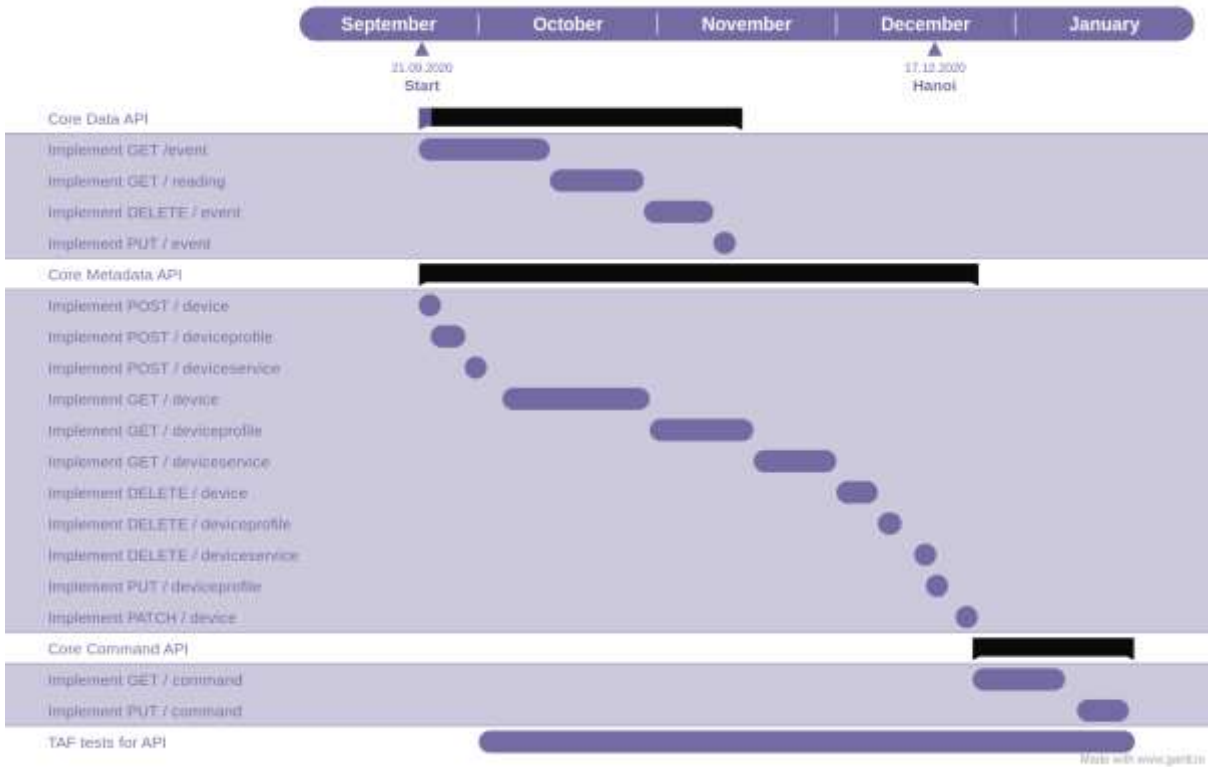
Current Status (Project board - as of 9/16)

- Backlog: 8(-2)
- Bugs: 5 (same)
- In progress: 2 (-3)
- Under review: 2 (+1)
- Done: 78(+14)
- New: 3 (+3)

	Closed Issues	Working Issues (new)
edgex-go	#2651 (update python in sma), 2698 (dry_run always got true), 2670 (implement GET event by id)	2690 (update V2 Swagger for Value Type), 2697 (device profile post V2 API), 2682 (notifications email enhancement), 2692 (ping to core metadata bug), 2696 (SMA set not in swagger), 2702 (core metadata API response)
contracts mod	#290 (return first non-empty msg), 292 (Add API route path)	#285 Redis bootstrap, #289 (validation of type on V2's property value), #294 (add support to get current log level), #295 (format alternatives to log func)
bootstrap mod	#40 README update	

- Jim to review 294 and 295 that just came in.

- API V2



- Gantt chart to be updated with supporting services. We are exploring how to accelerate so that we complete V2 API by Ireland.
- Targeting core data service V2 API for Hanoi.
- Note location of Hanoi release is incorrect in the chart above.



(plus system management and UI)

- Event APIs
 - Query by ID first - merged of this first API (hopeful things will now progress faster with this one done)
 - Other Creation APIs and Query APIs being worked (additional PRs coming soon)
- Additional V2 API
 - Device Profile creation API (PR opened).
 - Device service model also ongoing concurrently.
 - TAF testing being implemented in tandem with API dev
- Query API implemented with multiple instances - needs pagination; offset and limit will be in header. Correlation id is currently in the header. Where should pagination offset/limit parameters be done?
 - Decision: keep them in the request HTTP header; set of key/value pairs like we have in message header in go-mod-messaging (future state)
- CLI Work
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>
 - Build process, coordination and documentation (DevOps meeting) - merged and done. Demoed at DevOps meeting today.
 - URL Flag & verbose flag separation PR created for review
 - PR merged for adding attribution file and scripts to keep it up to date
 - Rewriting commands to support JSON v TOML
 - Jim to get with Malini/Diana about scope/planning for Ireland
- UI Work
 - [Roadmap](#)
 - Hanoi efforts - some additional clean up around notifications; otherwise complete
 - Ireland Priorities - need some DS team help in laying out the device “wizard”
 - Jim to start email to discuss wizard idea
- Kubernetes Work - Meeting Sept 28
 - Rancher, Kubermatics/SAP among other community members expected
- Conventional Commits
 - Mike laid out the types / Scopes for Go
 - <https://wiki.edgexfoundry.org/display/FA/Committing+Code+Guidelines#CommittingCodeGuidelines-ConventionalCommits>
 - These types and scopes will be used with conventional commits on edgex-go.

<i>types</i>	<i>Scopes</i>
feature	Core-data or data
fix	Core-command or command or cmd
docs	Core-metadata or metadata or meta
style	snap



(plus system management and UI)

refactor	docker
perf	security
test	scheduler
build	notifications
ci	sma
revert	Deps (dependencies)
common (Jim to ask Mike what this is for)	All (applying to all services)

- Jim will send out draft / proposal (via email) on types and scopes for these to get reaction - and then work with LF/DevOps to get this in place for all these repositories.
 - Mods (bootstrap, core-contracts, messaging, registry, configuration)
 - edgex-docs
 - edgex-cli
 - edgex-ui-go
 - docker-edgex-consul
 - docker-edgex-mongo
 - developer-scripts
 - Edgex-examples

New Business

- Possible Ireland Planning items (# and ## - denotes probable architectural/design topic; two hashes for priority)
 - Enhancement/new
 - V2 API completed -> EdgeX 2.0 and LTS -> certification (consensus was high priority to get to EdgeX 2.0 ##)
 - Generic Error Handling # - maybe this is already done or to satisfaction today (based on what Cloud did in core-contracts); it is already used in DS SDK (Go); can be used in V1 or V2. # Check in pre-wire if more is needed.
 - Integrate time series database # (potential topic for pre-wire to start)
 - which one(s)
 - K8s support (based on what comes out of upcoming meetings - TBD)
 - UI next steps (based on current roadmap - not a lot to discuss, just confirm resource and scope at Ireland planning)
 - Device wizard
 - Data visualization
 - SMA integration (start stop restart, service status)
 - CLI next steps (Jim to get with Malini and Diana and put together target list from work items off the Roadmap)



(plus system management and UI)

- These next three should be discussed with priority of work and implementation in order suggested. To be discussed at pre-wire and planning meeting ##
 - Core data -> support data - **third**
 - Message bus to core data - **second**
 - DS -> AS via msg bus - **first**
 - Command information made available for export **##**
 - MQTT trigger on that path
- Service metrics and control events **## (priority item)**
- Tech Dept
 - Upgrade path - between releases (now that we are trying to go to 2.0; can we leave this to implementing companies?? Seems risky) **##**
 - Especially around database persistence
 - Combine command and metadata services **##**
 - Are there other services we combine (rationale?)
 - Violating micro service encapsulation by having shared database
 - Refactor to allow separation of data concerns (and database?)
 - Need for command service is still there if it does more than proxy.
 - What is the roadmap with this service? Need to come to closure on where this is going.
 - Remove value descriptor (where do the other elements go **##**)
 - We need an endpoint that returns the value descriptor type of information (not just going to get all the device profiles)
 - Need syntax sugar / convenience for value descriptor “stuff” - used in app service - don’t want to have to get the profile and weed through it for VD stuff
 - Value descriptor is lacking stuff like “units”
 - Removing addressable - **done with V2; nothing further to discuss**
 - Archive mongo, logging, drools engine - **plan to do, but no real issue to discuss (as long as Ireland is V2)**
 - Sys Management list of default services (also an issue with security proxy setup) - **#**
 - Improve binary support - we have already content type
 - Cue this for architect discussion **#** - intertwine this with VD discussion - is there a better way to tag or describe what’s in the binary payload (and should we allow)
 - Analytics off binary data
 - Alternate message formats- **NGH until strong demand**
- Other business
 - Start up time - default to 60 versus 30?
 - Decision - yes. Lenny taking the action item.

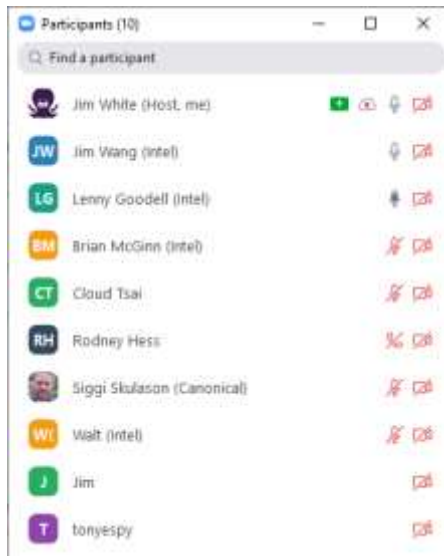
EdgeX Foundry Core Working Group



(plus system management and UI)

9/16/20

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Issues/PRs
- Dependabot
- V2 API work
- CLI work
- UI work
- Kubernetes work

New

- Conventional Commits

Old Business

Current Status (Project board - as of 9/16)

- Backlog: 8(-2)
- Bugs: 5 (same)
- In progress: 2 (-3)
- Under review: 2 (+1)
- Done: 78(+14)
- New: 3 (+3)

	Closed Issues	Working Issues (new)
edgex-go	1734 (error handling), 2680 (Go 1.15), 2693 (start core-data issue), 2684 (pre-populate event ID with UUID)	2670 (implement GET event by id), 2690 (update V2 Swagger for Value Type), 2682 (notifications long emails)



(plus system management and UI)

contracts mod	#282 (requestid required), 287(pre-pop event id), 278 (error refactoring), 284 (Go 1.15)	#285 Redis bootstrap, #289 (validation of type on V2's property value)
bootstrap mod	#87 (Go 1.15), #89 (go 1.15 gomod)	
go-mod-msg	#58 (Go. 1.15)	
config mod	#12 (Go 1.15)	
registry mod	#49 (Go 1.15)	

- New issue triage
 - <https://github.com/edgexfoundry/edgex-go/issues/2682> ; support long email messages in notifications
 - Jim to write Alex for submission
 - <https://github.com/edgexfoundry/go-mod-core-contracts/issues/285> ; Redis bootstrap service (Andre)
 - Jim to get with Andre/request meet at or before next week's core WG
 - <https://github.com/edgexfoundry/developer-scripts/issues/316> ; app service with MQTT export profile beats Consul up
 - Cherry / Cloud working
 - Related to issue described in bootstrap OCI ADR
 - Came out as a result of performance testing work
- API V2
 - Jim to work with Cloud on a api/general function gantt chart
 - Error handling (#278) - done
 - Event UUID pre-population addition (done)
 - Event query APIs (on a little hold as we address error handling/PR forthcoming soon) - PR coming this week
 - This will assist in TAF testing of V2 API
 - Query by ID first
 - Limit parameters for all query APIs
 - Implementation of "how" to be reported soon (Cloud)
 - Continue handler/controller work
- Issue [2651](#) - sys mgmt agent - use of Python 2 and vulnerability report
 - Image installs Python 2 and we need to try to install Python 3
 - Change made, now using Python 3 - new CVE issues with Python 3 :(
- Dependabot - bootstrap is out of date. ? - can we improve this situation with use of Dependabot. Can we use Dependabot to let us know when modules are out of date?
 - Trigger on patch or any change PR? Should be on any.
 - Decision: Core - once a day; Mods - once a week (CLI does it weekly; and not overkill)



(plus system management and UI)

- CLI Work
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>
 - Upgrade Go Version
 - API endpoints added; fixes for broken ports; merging issues
 - Ambiguous commands: Diana's spreadsheet
 - Build process, coordination and documentation
- UI Work
 - [Roadmap](#)
 - Hanoi efforts - some additional clean up around notifications; otherwise complete
 - Ireland Priorities
 - #1 priority - create a device UI "wizard" that allows adding a new device much quicker.
 - Prototyping under way - need DS WG guidance
 - #2 priority - Add some data visualization to the UI
 - #3 priority - SMA integration
 - Lower priorities to be pushed to later releases
 - Work remotely on a different host (through security)
 - Work with security elements
 - Deal with binary data
 - Address service configuration - specifically address changing writable configuration
- Kubernetes Work
 - Jim to setup meeting for next week to discuss roadmap and crawl steps
 - Rancher, Kubermatics/SAP among other community members expected

New Business

- Per conventional commits meeting
- Mike cleaning up PR template for edgex-go and adding Contributors.md
- Jim working on docs
- Repositories under Core
 - edgex-go
 - Mods (bootstrap, core-contracts, messaging, registry, configuration)
 - edgex-docs
 - edgex-cli
 - edgex-ui-go
 - docker-edgex-consul
 - docker-edgex-mongo
 - developer-scripts
 - edgex-examples
- Do we need any additional scopes for these?



9/10/20

Attendees:



Others may have been in attendance after roll was captured.

Agenda

Old

- Issues/PRs
- V2 API work
- CLI progress
- UI progress
- Kubernetes meeting TBD

New

- Go 1.15.2

Old Business

Current Status (Project board - as of 9/10)

- Backlog: 10(+2)
- Bugs: 5 (same)
- In progress: 5 (same)
- Under review: 1 (+1)
- Done: 64(+6)
- New: 0 (-2)

	Closed Issues	Working Issues (new)
edgex-go	#2667-68 (new Tags field), 2678 (device admin/op status error)	2670 (implement GET event by id), 1734 (error handling), 2680 (Go 1.15.1)
contracts mod	#274, 276, 280, 282	#278 (error handling refactor for V2)
bootstrap mod		
go-mod-msg		



- API V2
 - Jim to work with Cloud on a api/general function gantt chart
 - Error handling (#278)
 - Event query APIs (on a little hold as we address error handling/PR forthcoming soon)
 - This will assist in TAF testing of V2 API
 - Query by ID first
 - Limit parameters for all query APIs
 - Implementation of “how” to be reported soon (Cloud)
 - Continue handler/controller work
 - UUID add to event - ADR closed in favor of reusing id (populating with UUID before sending to core data; populating it if it is not provided in core data)
 - Applying just to V2; required field before persisted or passed to message queue
 - Make it part of initialization in contracts so when core data becomes optional, it's there. Becomes a required field.
- Issue [2651](#) - sys mgmt agent - use of Python 2 and vulnerability report
 - Image installs Python 2 and we need to try to install Python 3
- CLI
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>
 - Work continues on API endpoints that are needed; 2 PRs that need review (Jim action)
 - Upgrade Go Version.
 - Remaining questions are below:
 - Which additional APIs need to be covered? Diana has provided a spreadsheet (see doc above for the link).
 - Several services may have the same operation but the CLI does not let you specify the specific service (examples: **device, ping, commands, config, metrics**, etc.)
 - **Decision:**
 - Required parameter to specify service where there are multiple services that have the same command
 - Have shorthand names for services (like cd for core data)
 - Jim/Diana to clarify actual “API”

UI Direction

- [Roadmap deck \(draft\)](#)
- Decisions (for Ireland) - Jim working these through Gavin:
 - #1 priority - create a device UI “wizard” that allows adding a new device much quicker.
 - Takes a user through screens to create a new device, reference or create a device profile, add addressable, provide AutoEvent schedule, etc. and associate it to a device service



(plus system management and UI)

- #2 priority - Add some data visualization to the UI
 - Need the ability to “click and see” the data
 - See the data in the core database
 - Perhaps peek at the messages coming from the core->app services bus
 - Integrate with something like Grafana for additional visualization
 - May require we export data to a time series database or use Redis time series database
- #3 priority - SMA integration
 - offer metrics visualization of memory and CPU offered by SMA
 - Get the status of the services (up / down)
 - Provide ability to call on start/stop/restart of services
 - Lower priority to see service configuration as this can be done via Consul
- Lower priorities to be pushed to later releases
 - Work remotely on a different host (through security)
 - Work with security elements
 - Through Kong
 - With security/TLS certificates
 - With user access controls (may not be user login, but how do we get the Kong cert, etc)
 - Deal with binary data
 - Address service configuration - specifically address changing writable configuration

Kubernetes Direction (release target is just a suggested goal)

- Crawl (Hanoi or Ireland): Have an example deployment.yml and service.yaml for deploying a single instance of EdgeX (minus device services) to a pod. With Redis, minus security.
 - Include example of how to setup device-virtual to send data to K8s instance
 - Document/demonstrate/provide example of setting up in K3s
 - Document what would not work in this environment
- Walk (Ireland): Include security
- Jog (Ireland or Jakarta): Helm charts & / or Operators
 - Helm chart (hour zero); Operator (hour 1+) - helm chart not managing state
- Run (Jakarta or Kamakura): start addressing HA concerns in EdgeX
- No objections to list above
 - Try to have roadmap and some type of initial crawl implementation by Hanoi or shortly after
- Rancher participation? Andre trying to facilitate
- Possible new core group to work on it: Jim to setup and send out invitations



(plus system management and UI)

New Business

Go 1.15.2

- 1.15.2 - is a “go”; Tony tested and it fixes issues; message to community to be sent out by Jim
- Jenkins file on edgex-go also being worked by Ernesto (this will be dropped with Jim’s PR)

9/3/20

Attendees:



Others may have been in attendance after roll was captured.

Old Business

Current Status (Project board - as of 9/2)

- Backlog: 8(-6)
- Bugs: 5 (same)
- In progress: 5 (+2)
- Under review: 0 (-1)
- Done: 58(+9)
- New: 2 (+2)

	Closed Issues	Working Issues (new)
edgex-go	#2643 (ENTRYPOINT), #2015,2017-2020 module exploration	2667-8 (new Tags field), 2670 (implement GET event by id) 1734 (error handling) , 2680 (Go 1.15.1)
contracts mod	270 (tag property), 272 (PUT for device admin/opstate)	2678 (update operating/admin status)
bootstrap mod		
go-mod-msg		

- API V2



(plus system management and UI)

- Event query APIs (on a little hold as we address error handling/PR forthcoming soon)
 - This will assist in TAF testing of V2 API
 - Query by ID first
 - Limit parameters for all query APIs
 - Implementation of “how” to be reported soon (Cloud)
- Continue handler/controller work
- UUID add to event
 - ADR comments provided by Cloud
 - Plan: use ID field vs a new field. Have core data populated if it is not provided prior to send to core data. Jim to clean up the ADR.
- Issue [2651](#) - sys mgmt agent - use of Python 2 and vulnerability report
 - Image installs Python 2 and we need to try to install Python 3
- CLI
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>
 - Work this past week: new APIs and Dependabot
 - Remaining questions are below:
 - Which additional APIs need to be covered? Diana has provided a spreadsheet (see doc above for the link).
 - Several services may have the same operation but the CLI does not let you specify the specific service (examples: device, ping, commands, etc.)
 - Option 1 - use a flag to specify a specific service
 - Option 2 - make the first positional param the service with second param the command (endpoint)
 - Example: metadata device list
 - Versus: device list
 - This issue to be solved for V1 (pick this up in a few weeks after vacations)

New Business

UI Direction

- [Roadmap deck \(draft\)](#)
- Decisions (for Ireland):
 - #1 priority - create a device UI “wizard” that allows adding a new device much quicker.
 - Takes a user through screens to create a new device, reference or create a device profile, add addressable, provide AutoEvent schedule, etc. and associate it to a device service
 - #2 priority - Add some data visualization to the UI
 - Need the ability to “click and see” the data
 - See the data in the core database



(plus system management and UI)

- Perhaps peek at the messages coming from the core->app services bus
- Integrate with something like Grafana for additional visualization
 - May require we export data to a time series database or use Redis time series database
- #3 priority - SMA integration
 - offer metrics visualization of memory and CPU offered by SMA
 - Get the status of the services (up / down)
 - Provide ability to call on start/stop/restart of services
 - Lower priority to see service configuration as this can be done via Consul
- Lower priorities to be pushed to later releases
 - Work remotely on a different host (through security)
 - Work with security elements
 - Through Kong
 - With security/TLS certificates
 - With user access controls (may not be user login, but how do we get the Kong cert, etc)
 - Deal with binary data
 - Address service configuration - specifically address changing writable configuration

Kubernetes Direction (release target is just a suggested goal)

- Crawl (Hanoi or Ireland): Have an example deployment.yml and service.yaml for deploying a single instance of EdgeX (minus device services) to a pod. With Redis, minus security.
 - Include example of how to setup device-virtual to send data to K8s instance
 - Document/demonstrate/provide example of setting up in K3s
 - Document what would not work in this environment
- Walk (Ireland): Include security
- Jog (Ireland or Jakarta): Helm charts & / or Operators
 - Helm chart (hour zero); Operator (hour 1+) - helm chart not managing state
- Run (Jakarta or Kamakura): start addressing HA concerns in EdgeX
- No objections to list above
 - Try to have roadmap and some type of initial crawl implementation by Hanoi or shortly after
- Rancher participation? Andre trying to facilitate
- Possible new core group to work on it: Jim to setup and send out invitations

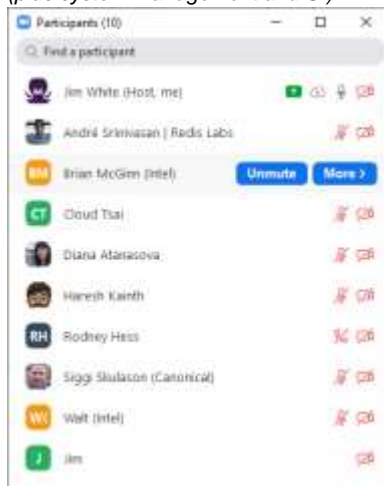
8/27/20

Attendees:

EdgeX Foundry Core Working Group



(plus system management and UI)



Others may have been in attendance after roll was captured.

Old Business

Current Status (Project board - as of 8/26)

- Backlog: 14 (same)
- Bugs: 5 (+1)
- In progress: 3 (+1)
- Under review: 1 (+1)
- Done: 49 (+5)
- New: 4 (-1)

	Closed Issues	Working Issues (new)
edgex-go		2667-2669 (new Tags field) , 2670 (implement GET event by id) 2614-2620 (module expl/removal)
contracts mod		270 (tag property) , 272 (PUT for device admin/opstate)
bootstrap mod		
go-mod-msg	56, 57 (MQTT CBOR issues)	

- API V2
 - Next up Event query APIs
 - This will assist in TAF testing of V2 API
 - Query by ID first
 - **Limit parameters for all query APIs**
 - **Implementation of “how” to be reported soon**
 - Continue handler/controller work
 - UUID add to event
 - Jim to start ADR
- Issue [2651](#) - sys mgmt agent - use of Python 2 and vulnerability report



(plus system management and UI)

- Image installs Python 2 and we need to try to install Python 3
- CLI
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>
 - Reviewed immediate needs in document above and outlined the desired work for Hanoi. Remaining questions are below:
 - Which additional APIs need to be covered? Diana has provided a spreadsheet (see doc above for the link).
 - Several services may have the same operation but the CLI does not let you specify the specific service (examples: device, ping, commands, etc.)
 - Option 1 - use a flag to specify a specific service
 - Option 2 - make the first positional param the service with second param the command (endpoint)
 - Example: metadata device list
 - Versus: device list
 - This issue to be solved for V1 (pick this up in a few weeks after vacations)

No time in the meeting to address New Business.

New Business

UI Direction

- [Roadmap deck \(draft\)](#)
- Demo
- Purpose (future - proposed): a production level user interface to manage and monitor a single instance of EdgeX Foundry (secured or unsecured)
 - To manage and monitor from on or off box
 - To monitor the state of EdgeX (status of services, memory, CPU usage, etc.) and provide alerts when something is outside of normal operating parameters
- Coming (Hanoi)
 - Manage app services (add functions, see data temporarily, etc)
 - Manage Kuiper rules
 - Documentation
 - “Make sure it is usable with what we have in EdgeX today”
- Roadmap items (past Hanoi)
 - See deck

Kubernetes Direction (release target is just a suggested goal)

- Crawl (Hanoi or Ireland): Have an example deployment.yml and service.yaml for deploying a single instance of EdgeX (minus device services) to a pod. With Redis, minus security.
 - Include example of how to setup device-virtual to send data to K8s instance

EdgeX Foundry Core Working Group

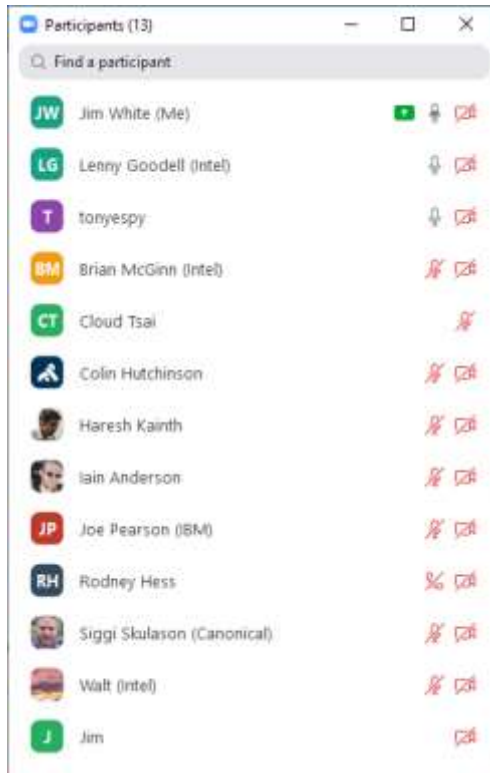


(plus system management and UI)

- Document/demonstrate/provide example of setting up in K3s
- Document what would not work in this environment
- Walk (Ireland): Include security
- Jog (Ireland or Jakarta): Helm charts & / or Operators
- Run (Jakarta or Kamakura): start addressing HA concerns in EdgeX

8/20/20

Attendees:



Others may have been in attendance after roll was captured.

Old Business

Current Status (Project board - as of 8/19)

- Backlog: 14 (+1)
- Bugs: 4 (same)
- In progress: 2 (-1)
- Under review: 0 (same)
- Done: 44 (+9)
- New: 5 (+5)

	Closed Issues	Working Issues (new)
edgex-go	2609, 2652, 2639, 2662 (use string vs. ltoa function in scheduler)	2614-2620 (module expl/removal)



(plus system management and UI)

contracts mod	258, 263, 266, 268	
bootstrap mod		
go-mod-msg		56-57 (MQTT CBOR issues)

- MQTT - go-mod-messaging issues (56/57) - reviewed by Lenny/Tony
 - On hold until vacations end & design resolution achieved
 - API V2
 - Event handler / controller PR (#[2610](#)) - MERGED!!
 - Metadata DTO (#[253](#) on core-caks) - MERGED!!
 - Next up Event query APIs
 - This will assist in TAF testing of V2 API
 - Query by ID first
 - Continue handler/controller work
 - Put command DTOs on back burner for now
 - V2 Event model use of Checksum and CorrelationId
 - Why can't we just use CorrelationId?
 - Comes down to "how do we mark an event as pushed"
 - When an event (model instance - usually done by a Device Service) is created, a UUID gets created and attached to the event no matter where it is created.
 - ~~For CBOR - the event id would have to be put in the message header (the event id would otherwise be embedded in the CBOR and inconvenient for use without pulling apart the CBOR message).~~
 - We need to update core contracts to do this.
 - Requires an ADR (Jim to start this)
 - We will not implement any CBOR / binary support APIs for Hanoi V2
 - Revisit binary support with F2F in fall for EdgeX 2.0 API V2
 - What should the Path for V2 Version endpoint be?
 - In V1 it is **/api/version**
 - For V2 it is specified as **/api/v2/version**
 - V2 Response is same as V1 with addition **apiVersion**
 - **Decision: /api/v2/version**
 - **Services check this endpoint to check service compatibility**
- Due to lack of time CLI was not discussed in this meeting
- CLI
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>



(plus system management and UI)

- Release artifact (for Windows, Linux, MacOS for both Intel and ARM)
recommendation: provided by DevOps
 - Create pipeline with the following stages
 - Test
 - Cross Compile (New make target, developers will own)
 - Linux (amd64/arm64)
 - Windows (amd64/arm64)
 - MacOS (maybe)
 - Package artifacts (tarball)
 - Git-semver Push signed version tag
 - Push tarball to GitHub releases page (new scope)
 - This is a release activity when should this be done. How much involvement from the Release Czar is required? Update ADR10?
 - Potential Additions
 - Snyk scan
 - Codecov.io
- Features needed
 - Several services may have the same operation but the CLI does not let you specify the specific service (examples: device, ping, commands, etc.)
 - Option 1 - use a flag to specify a specific service
 - Option 2 - make the first positional param the service with second param the command (endpoint)
 - Example: metadata device list
 - Versus: device list
 - Clean up of --help documentation
 - Provide for complete core & support API Coverage - Diana provided
 - Reaction??
 - Be able to configure what services are addressed/included in status calls
 - Use some sort of configurable list

New Business

- Issue [2651](#) - sys mgmt agent - use of Python 2 and vulnerability report
 - Image installs Python 2 and we need to try to install Python 3
- Issue [2647](#) - improve profile validation logic? Icebox for now? Or are we adding more for Hanoi?
 - Stretch goal for Hanoi. Must have for complete V2 API/EdgeX 2.0
- Gateway identification
 - Leave it to app service to append on export? (enrichment in App service before it goes out of EdgeX)
 - Or design it into V2 Event DTO/Model?
 - Add tags property to DTO/Event model (Jim to create an issue on core contracts)
 - Who populates and how - for now done in app services (done via configuration) as a crawl step



(plus system management and UI)

Due to lack of time UI Direction and Kubernetes was not discussed in this meeting

UI Direction

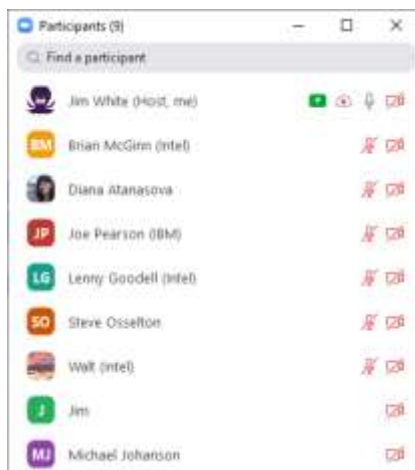
- [Roadmap deck \(draft\)](#)
- Demo
- Purpose (future - proposed): a production level user interface to manage and monitor a single instance of EdgeX Foundry (secured or unsecured)
 - To manage and monitor from on or off box
 - To monitor the state of EdgeX (status of services, memory, CPU usage, etc.) and provide alerts when something is outside of normal operating parameters
- Coming (Hanoi)
 - Manage app services (add functions, see data temporarily, etc)
 - Manage Kuiper rules
 - Documentation
 - “Make sure it is usable with what we have in EdgeX today”
- Roadmap items (past Hanoi)
 - See deck

Kubernetes Direction (release target is just a suggested goal)

- Crawl (Hanoi or Ireland): Have an example deployment.yml and service.yaml for deploying a single instance of EdgeX (minus device services) to a pod. With Redis, minus security.
 - Include example of how to setup device-virtual to send data to K8s instance
 - Document/demonstrate/provide example of setting up in K3s
 - Document what would not work in this environment
- Walk (Ireland): Include security
- Jog (Ireland or Jakarta): Helm charts & / or Operators
- Run (Jakarta or Kamakura): start addressing HA concerns in EdgeX

8/7/20

Attendees:



Others may have been in attendance after roll was captured.



Old Business

Current Status (Project board - as of 8/5)

- Backlog: 15
- Bugs: 4
- In progress: 3
- Under review: 0
- Done: 35
- New: 1

	Closed Issues	Working Issues (new)
edgex-go	2596, 2626, 2638, 2648	2609, 2643 (ENTRYPOINT) , 2647(validation logic profiles) , 2651 (sys mgmt CVE)
contracts mod	259, 249	258 (updating API) , 259 (remove base response)
bootstrap mod	85	

- NOTE: for brevity, “cak” = contracts; more precisely, an abbreviation for go-mod-core-contracts.
- 2597 issue: Invoke Validate function when adding yaml DeviceProfile (**done**)
 - **Removing this from old biz**
- API V2
 - Event handler / controller PR ([#2610](#))
 - Additional Lenny cleanup
 - Address comments of Redis implementation
 - **“Days away from completion”**
 - **Encounter some issues with Reading object - has inheritance which is not easy to do/use in Go. Cloud and team working**
 - **See go cak - #262**
 - Metadata DTO
 - PR [253](#) on core-caks (**done and merged**)
 - PR ([#2627](#)) - (**done and merged**)
 - How to differentiate the validation logic between Add and Update DTOs
 - New issue to deal with updating API ([#258](#) on core-caks)
 - Separate PR forthcoming that will present update DTO and how to process validate. **Reaction from Core WG sought when it is out.**
- Startup configuration ignored (duration & Interval)
 - PR [86](#) (bootstrap) merged (done)
 - **Removing from old biz**
- Do we really want to update the Geneva compose files for new releases of Device Service and/or App Services?
 - **Jim provided Readme with link to the release notes and indication of new dot releases that can be dropped in as replacements**



(plus system management and UI)

- Removing from old biz

- CLI
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>
 - Release with Hanoi is goal; 2 open questions for Hanoi
 - What will be the release artifact (if any)?
 - Decision:
 - We version/tag it 1.0 -> indicating that it works with Hanoi
 - Don't release right now - let's make sure it is worthy of its 1.0 tag
 - Doesn't have to be released right at Hanoi, could be around Hanoi release (like DS, App Services, UI, etc.)
 - It will be included in the snap
 - Create executable artifacts and make them available via Github assets.
 - Rationale: in other CLIs, you don't have to build your own executable
 - Won't do it for every environment but for Windows, MacOS, Linux (exe vs linux artifact)
 - For both Intel and ARM (where applicable)
 - Side note: should we do something similar for C SDK?? Something to consider by TSC
 - DevOps to be consulted (Jim to address with Ernesto)
 - Needs to be part of DevOps - generate nightly
 - Github actions could be the implementation route
 - Docker container could be an option in the future but not as part of "crawl" phase - would need to be on the network; then shell in
 - What features are needed for this release?
 - Decision
 - API V2 - optional, but nice to have
 - Several services may have the same operation but the CLI does not let you specify the specific service (examples: device, ping, commands, etc.)
 - Option 1 - use a flag to specify a specific service
 - Option 2 - make the first positional param the service with second param the command (endpoint)
 - Example: metadata device list
 - Versus: device list
 - Clean up of --help documentation
 - Provide for complete core & support API Coverage
 - Jim to provide a gap analysis list



- Core, metadata, command - must have; support nice to have
- Note: core contracts clients doesn't cover all operations; use REST API instead - and in some cases we are doing this already
- Consistency of operations with regard to JSON, YAML, TOML
 - Jim to provide gap analysis list
- Be able to configure what services are addressed/included in status calls
 - Use some sort of configurable list

New business and UI direction were not addressed in the meeting due to lack of time. Will be addressed in 2 weeks.

NO meeting next week (Aug 13th)

New Business

- What should the Path for V2 Version endpoint be? (Lenny)
 - In V1 it is [/api/version](#)
 - For V2 it is specified as [/ap/v2/version](#)
 - V2 Response is same as V1 with addition [apiVersion](#)
- Issue [2651](#) - sys mgmt agent - use of Python 2 and vulnerability report

UI Direction

- [Roadmap deck \(draft\)](#)
- Demo
- Purpose (future - proposed): a production level user interface to manage and monitor a single instance of EdgeX Foundry (secured or unsecured)
 - To manage and monitor from on or off box
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- Crawl (Hanoi or Ireland): Have an example deployment.yml and service.yaml for deploying a single instance of EdgeX (minus device services) to a pod. With Redis, minus security.
 - Include example of how to setup device-virtual to send data to K8s instance
 - Document/demonstrate/provide example of setting up in K3s
 - Document what would not work in this environment



(plus system management and UI)

- Walk (Ireland): Include security
- Jog (Ireland or Jakarta): Helm charts & / or Operators
- Run (Jakarta or Kamakura): start addressing HA concerns in EdgeX

7/30/20

Attendees:



Others may have been in attendance after roll was captured.

Old Business

- 2597 fix: Invoke Validate function when adding yaml DeviceProfile
 - Check to see if delete or update works to override the bad profile
 - Still under review -thanks Lenny and Tony for comments
 - Bruce refactoring - convert YAML to JSON (done)
 - Validation of profiles - something to look at for API V2 (Lenny issue)
 - Tony has new issue 2647 that is about if Profile is written just the right way, it will break metadata (no deletes, no queries)
 - Cloud knows the reason why - doing save of profile before validation
 - Deeper validation of the profile is needed long term.
- API V2
 - Event handler / controller PR (#2610)
 - <https://github.com/edgexfoundry/edgex-go/pull/2610>
 - Work continues; exchange between Lenny and Lindsey
 - Andre review - blocking item (Jim to ping again if not by eow)
 - Metadata DTO / PR (#2627) - this will focus on add requests
 - <https://github.com/edgexfoundry/edgex-go/pull/2627>
 - Now pending <https://github.com/edgexfoundry/go-mod-core-contracts/pull/253> which is betting worked; Lenny and Bruce
 - Simple GET requests (ping, etc) should include BaseResponse (includes request id, status code, and message) with 207 code (says look at what we sent back; actual status code in the base response)?
 - Cloud to explore and see if there is a reason; unless there is more of a rationale, we will use full BaseResponse with 207 code (Cloud to open issues as needed)
 - Decision here needs to be consistent with app services design



(plus system management and UI)

- How to differentiate the validation logic between Add and Update DTOs
 - Cloud/Lenny communications have worked out the bulk of this offline
 - Question remaining: what does DTO look like? Map vs. DTO with pointers to objects (decision go with DTOs)
 - Separate PR forthcoming that will present update DTO and how to process validate. Reaction from Core WG sought when it is out.
- Cloud is trying to add all the examples into the Swagger file. No help needed yet. Will need reviewers when it lands.
- Startup configuration ignored (duration & Interval)
 - <https://github.com/edgexfoundry/go-mod-bootstrap/issues/85>
 - Impacts all services - covered under old business
- Startup Duration and Interval - go-mod-bootstrap PR
 - (<https://github.com/edgexfoundry/go-mod-bootstrap/pull/86>)
 - Removal of start config (which was being ignored)
 - Use of env vars - use these from beginning if they are there
 - Other wise timer uses the defaults
 - Agree with this approach? Decision - yes, +1 agreed
- Need to Standardize Swagger path in repos (makes CI easier)
 - Decision: openApi/
 - Dropping RAML (PR for removal is in and done)
- CLI move from Holding
 - Roadmap doc
 - <https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbSwRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4>
 - Release with Hanoi is goal; and have road map for review at F2F
 - One of the questions - do we have a release artifact
 - And what features must it include
 - Jim to carve out some time at the next meeting to discuss.

New Business

- Do we really want to update the Geneva compose files for new releases of Device Service and/or App Services?
 - For bug fix yes; otherwise defer to what is in Nexus compose file
 - Jim to add readme - link to release notes and indication of new dot releases that can be dropped in as replacements
- Dockerfile updates (James Gregg has resource that can do this)
 - <https://github.com/edgexfoundry/edgex-go/issues/2643>
 - There are two approaches:
 - ENTRYPOINT = executable & CMD = command-line options
 - Decision made on the option above; Lenny to orchestrate with James's resource
 - CMD = executable & command-line options , ENTRYPOINT left for setup script or empty

UI Direction



(plus system management and UI)

- UI Today
 - Display device services, devices, device profiles
 - Upload/remove device profile
 - Add, edit, remove device
 - Display schedule intervals and interval actions
 - Add, edit, delete interval and interval actions
 - Display notifications, transmissions
 - Display subscriptions
 - Add and remove subscriptions
- Coming (Hanoi)
 - Manage app services (add functions, see data temporarily, etc)
 - Manage Kuiper rules
 - Documentation
- User Interface - beyond Hanoi
 - Possible future direction: Have it run remotely - through Kong/with security/TLS certificates/users
 - First make it useable with what we have
 - Jim to arrange a demo - start working on a roadmap and schedule from there.
 - Clean up notifications/transmissions
 - Core data visualization/graphing - using core data APIs
 - Integrate with a data visualization tool?? Like Graphana?
 - Deal with binary data at all??
 - Metrics data visualization/data display
 - CPU, memory today
 - See config? Configuration update? With appropriate service start if necessary? Admin functions? Start/stop/restart services?

Below topic was not discussed yet. To be covered in upcoming meeting.

Kubernetes Direction (release target is just a suggested goal)

- Crawl (Hanoi or Ireland): Have an example deployment.yml and service.yaml for deploying a single instance of EdgeX (minus device services) to a pod. With Redis, minus security.
 - Include example of how to setup device-virtual to send data to K8s instance
 - Document/demonstrate/provide example of setting up in K3s
 - Document what would not work in this environment
- Walk (Ireland): Include security
- Jog (Ireland or Jakarta): Helm charts & / or Operators
- Run (Jakarta or Kamakura): start addressing HA concerns in EdgeX

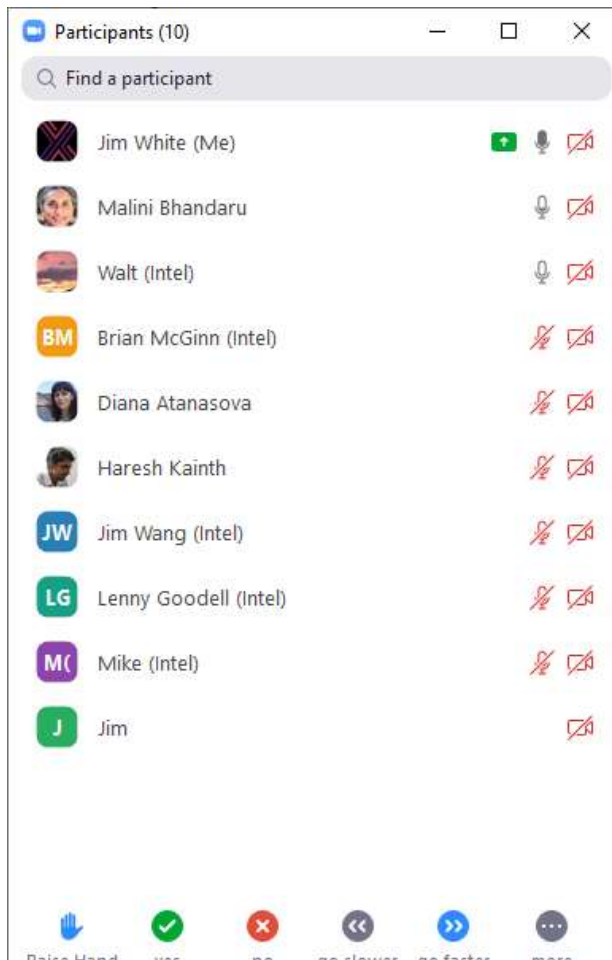
7/23/20

Attendees:

EdgeX Foundry Core Working Group



(plus system management and UI)



Others may have been in attendance after roll was captured.

Old Business

	Closed Issues	Working Issues (new)
edgex-go	2218, 1947, 1699	2014-2020 (module exploration), 2596 (PR 2597 needs review), 2609, 2626, 2630
contracts mod	254	249
bootstrap mod		85

- 2597 fix: Invoke Validate function when adding yaml DeviceProfile
 - Check to see if delete or update works to override the bad profile (**Jim**)
 - Still under review -thanks Lenny and Tony for comments
 - **Bruce refactoring - convert YAML to JSON**



(plus system management and UI)

- Validation of profiles - something to look at for API V2 (Lenny issue)
- API V2
 - Event handler / controller PR (#2610)
 - <https://github.com/edgexfoundry/edgex-go/pull/2610>
 - Work continues; exchange between Lenny and Lindsey
 - See number of requests for Andre review (do I need to ping him?)
 - Jim to reach out
 - Metadata DTO / PR (#2627)
 - <https://github.com/edgexfoundry/edgex-go/pull/2627>
 - Now pending <https://github.com/edgexfoundry/go-mod-core-contracts/pull/253> which is betting worked; Lenny and Bruce
 - Search of code base did not find Addressable in anything but deviceservice.go, actiontype.go, constants.go, provisionwatcher.go
 - Cloud issues:
 - <https://github.com/edgexfoundry/edgex-go/pull/2627#issuecomment-659235656>
 - How to differentiate the validation logic between Add and Update DTOs
 - Add required on fields - to swagger contract/implementation
 - Rules for what is required is different for add vs update
 - Use map to update (vs DTO)
 - Still need to validate those fields in the map
 - Start outside thread to address this issue and find way forward (Jim to kick off)

New Business

- Startup configuration ignored (duration & Interval)
<https://github.com/edgexfoundry/go-mod-bootstrap/issues/85>
Impacts all services - covered under old business
- Need to Standardize Swagger path in repos (makes CI easier)
Edgex-go : api/openApi/
Device SDK: api/oas3.0/
App Func SDK: openApi/ (planned)
 - Decision: openApi/
 - Is it time to drop v1 RAML? - obsolete anyway (TSC)
 - Issue (drop of raml and new path standard in one) - Lenny

CLI Direction

- TSC agrees to move out of holding, but where: edgex-go or in its own repo?
 - Decisions to take to TSC:
 - Like app services, device services, UI, etc. - its a client -> so separate repo
 - Could/would also have separate security concerns
 - When does it "release"? How does it keep in sync with releases?
 - Core contracts requires it be kept in sync (most of the time)
 - Minor releases at will (like DS and AS and SDKs)



(plus system management and UI)

- Major - keep with edgex-go (like DS and AS and SDKs)
- Libraries (cobra and viper ok for TSC approval. Pretty library - Diana and Malini looking to see if original (not fork) or alternate could be used. If so, swap out. If not, request temporary use.
- Import vetting (new modules below)
 - github.com/armon/consul-api v0.0.0-20180202201655-eb2c6b5be1b6
 - github.com/coreos/etcd v3.3.10+incompatible
 - github.com/coreos/go-etcd v2.0.0+incompatible
 - github.com/coreos/go-semver v0.2.0
 - github.com/cpuguy83/go-md2man v1.0.10
 - github.com/hashicorp/hcl v1.0.0
 - github.com/inconshreveable/mousetrap v1.0.0
 - github.com/magiconair/properties v1.8.0
 - github.com/niemeyer/pretty v0.0.0-20200227124842-a10e7caefd8e
 - github.com/russross/blackfriday v1.5.2
 - github.com/spf13/afero v1.1.2
 - github.com/spf13/cobra v0.0.5
 - github.com/spf13/jwalterweatherman v1.0.0
 - github.com/spf13/pflag v1.0.3
 - github.com/spf13/viper v1.3.2
 - github.com/ugorji/go/codec v0.0.0-20181204163529-d75b2dcb6bc8
 - github.com/xor-data-exchange/crypt v0.0.3-0.20170626215501-b2862e3d0a77
 - gopkg.in/yaml.v2 v2.2.2 (earlier version - not v2.2.8)
- Roadmap review and review
 - Address Tony's email questions and issues.
 - To be covered off line in Google Doc and Slack channel - Jim to set up

No time to address these in this meeting. Deferring to next meeting

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 - Documentation
- User Interface - beyond Hanoi
 - Clean up notifications/transmissions
 - Core data visualization/graphing - using core data APIs
 - Integrate with a data visualization tool?? Like Graphana?



(plus system management and UI)

- Deal with binary data at all??
- Metrics data visualization/data display
 - CPU, memory today
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Kubernetes Direction (release target is just a suggested goal)

- Crawl (Hanoi or Ireland): Have an example deployment.yml and service.yaml for deploying a single instance of EdgeX (minus device services) to a pod. With Redis, minus security.
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- Jog (Ireland or Jakarta): Helm charts & / or Operators
- Run (Jakarta or Kamakura): start addressing HA concerns in EdgeX

7/16/2020

Attendees:



Others may have been in attendance after roll was captured.

Old Business

	Closed Issues	Working Issues (new)
edgex-go	2602, 2591, 2621, 2624	2628 , 2014-2020 (module exploration) , 2596 (PR 2597 needs review), 1699, 2609, 2626
contracts mod	251	249
bootstrap mod	83	



(plus system management and UI)

- 2597 fix: Invoke Validate function when adding yaml DeviceProfile needs quick review
 - Lenny/Tony to take a look
 - Reminder to hit people on Slack when response is needed
- <https://github.com/edgexfoundry/device-sdk-go/issues/548>
 - Listen and Serve proper configuration variable instead of hard-coding "0.0.0.0"
 - When to release SDKs/DS and such
 - PR in edgex-go for Geneva branch to solve this; use the previous version of bootstrap just in the Snap
 - For Hanoi - go-mod-bootstrap, use new config; already merged in
 - DS'es / Go SDK - release new dot release; not needed for C SDK or C DS'es
 - Bug fix release 1.2.3
 - No full dot release of EdgeX services for expedience on release
- API V2
 - Event handler / controller PR (#2610)
 - <https://github.com/edgexfoundry/edgex-go/pull/2610>
 - Use of common code from V1 (duplicating functionality in V2)
 - This has been worked by Cloud and team
 - Do we need centralized database code like it is in V1
 - Yes - will be worked by Cloud & team
 - Per last week, remove all Gets by ID
 - Done or being worked
 - How do we differentiate between V1 & V2 events received from the message bus.
 - Address with info in the object (DTO object not model object) that indicates version of API
 - Event / Reading object gets a version property
 - All DTOs going forward have version property (lack of one means V1)
 - Metadata DTO / PR (#2627)
 - <https://github.com/edgexfoundry/edgex-go/pull/2627>
 - Getting rid of Addressable; first steps
 - Is it used in other places (Scheduler/Notifications)?
 - What are we replacing it with?
 - Use fully qualified URI (could be just a base address)
 - Property: "baseAddress"
 - From last week, DTO will use name, but swagger file and internal model use name and ID for applicable objects
 - CommandAction: string set to either get or put or both; Cloud to provide proposal in PR
 - Generic issue - Swagger does not specify which fields are required and then update DTO
- Created timestamp issue (issue #2602) - PR 2605 merged
 - Done
- Snap bug - on ListenAndServe #2611 - covered at the top of the meeting



(plus system management and UI)

- Change in 1.2.1 - side effect on snap
- Need patch for Snaps - using the previous version of go-mod-bootstrap in edgex-go
 - Would also have to do this for snap device services
- Hanoi fix is to have an interface/config var (in the backlog)

New Business

- Logging removal Icebox
 - Create backward incompatibility issues
 - Decision to keep logging deprecated but not remove it yet.
 - All issues put in the icebox, labelled hold (thanks Lenny)
 - Need to revert back out of C SDK (Iain)

CLI Direction

- Recommend moving out of holding
- Most of the bugs have been fixed (ones that provide required functionality)
- I think it would help certain user groups (adding it to some of the documentation would be helpful)
- We are getting some requests by adopting groups
- Making it more prominent can help in adoption and feature understanding
- VMWare (Malini and Diana) have stepped up to make it work and make it useful and have shown commitment to see it used
- Decision
 - Question about which work group would own: core for now
 - All on the call ok with allowing this to proceed for TSC vote (or to call Jim privately with objections)

These last two items were not covered and will be picked up in future meetings.

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EdgeX Foundry Core Working Group



(plus system management and UI)

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7/9/2020

Attendees:



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Old Business

	Closed Issues	Working Issues
edgex-go	2602, 2604, 2607, 2526	2596 (PR needs review), 1699, 2609
contracts mod	235, 245	249



(plus system management and UI)

bootstrap mod	80	
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- API V2
 - PR 236 - merged!!!
 - Event handler / controller PR
 - <https://github.com/edgexfoundry/edgex-go/pull/2610>
 - Now ready for review
 - Parallel work on Metadata DTO will begin
 - Discussion on device name/id inclusion: PR coming that will contain suggested approach - sticking to swagger file and internal model with have both name and id, but the DTO will have name (Cloud)
 - Event model and request API - should have device id or name
 - Discussion: This is more of a generic issue - reference to other objects in system; not just events
 - Both API and model will implement everything by name (Cloud)
 - Remove all by id Gets - until use case shows need (Cloud)
 - Swagger V2 will reflect these decisions (Cloud)
 - Put this decision in the release notes (Jim)
- Created timestamp issue (issue #2602)
 - PR 2605 fixes this (needs approval/merge)
 - Lenny not crazy about the fix
 - Set the timestamp early before persisted (not requiring query for the object)
 - Cloud and team have addressed Lenny's concerns and it needs re-review (Lenny)
 - Documentation on origin vs created timestamp (Jim to find doc and send to Rodney)
 - Submit issue in edgex-docs to make sure the differences between these timestamps is documented somewhere (Rodney)
 - Not planning a bug fix release just for this.

New Business

- Snap bug - on ListenAndServe #2611
 - Change in 1.2.1 - side effect on snap
 - Need patch for Snaps - using the previous version of go-mod-bootstrap in edgex-go
 - Would also have to do this for snap device services
 - Hanoi fix is to have an interface/config var (in the backlog)

Ran out of time - cover these in the next meeting. Jim asked all to review.

CLI Direction

- Recommend moving out of holding
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(plus system management and UI)

- I think it would help certain user groups (adding it to some of the documentation would be helpful)
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 - Add, edit, remove device
 - Display schedule intervals and interval actions
 - Add, edit, delete interval and interval actions
 - Display notifications, transmissions
 - Display subscriptions
 - Add and remove subscriptions
- Coming (Hanoi)
 - Manage app services (add functions, see data temporarily, etc)
 - Manage Kuiper rules
- User Interface - beyond Hanoi
 - Clean up notifications/transmissions
 - Core data visualization/graphing - using core data APIs
 - Integrate with a data visualization tool?? Like Graphana?
 - Deal with binary data at all??
 - Metrics data visualization/data display
 - CPU, memory today
 - See config? Configuration update? With appropriate service start if necessary? Admin functions? Start/stop/restart services?

Kubernetes Direction (release target is just a suggested goal)

- Crawl (Hanoi or Ireland): Have an example deployment.yml and service.yaml for deploying a single instance of EdgeX (minus device services) to a pod. With Redis, minus security.
 - Include example of how to setup device-virtual to send data to K8s instance
 - Document/demonstrate/provide example of setting up in K3s
 - Document what would not work in this environment
- Walk (Ireland): Include security
- Jog (Ireland or Jakarta): Helm charts & / or Operators
- Run (Jakarta or Kamakura): start addressing HA concerns in EdgeX

7/2/2020

Attendees:



(plus system management and UI)



Old Business

	Closed Issues	Working Issues
edgex-go	2594, 2584, 2580	2604, 2602, 2596, 1699
contracts mod	247	235, 246
bootstrap mod		

- API V2
 - PR 236
 - go-diffib is ok to use for this PR (per Architect's meeting)
 - POSTs changed to GETs for ping, metrics, config APIs
 - Swagger updated
 - All other changes addressed as of 6/30
 - Lenny gave thumbs up. Are we ready to approve/merge?
 - Does this include removal of things like requestid?
 - What do we want in the API V2 to support messaging?
 - To be covered in the next meeting.
 - Event handler / controller next when DTO PR approved
 - Parallel work on Metadata DTO will begin

New Business

- Created timestamp issue (issue #2602)
 - PR 2605 in to address this
 - Not planning a bug fix release just for this.

EdgeX Foundry Core Working Group

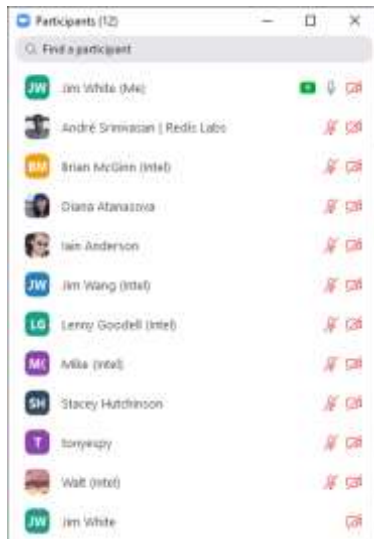


(plus system management and UI)



6/23/2020

Attendees:



Old Business

	Closed Issues	Working Issues	New Issues
edgex-go	2557 (PR)	2594, 2584	
contracts mod	243	235	245
bootstrap mod			38

Clean up & done

- Client Monitoring - decision to remove client monitoring; issue [2594](#) - and issues for all services & SDKs (Lenny)
 - Backward breaking change - to some extent; so we need to write this up in the release notes (Jim to-do). Someone may have expected the service to use the client monitoring to allow services to move and have it automatically picked up. That won't happen now. Plan moving forward is to use registry/consul to do an asynchronous update (vs. polling all time). This is not a Hanoi feature. Backlog for future release.
- ListenAndServe Interface
 - Add new service configuration interface - New property w/string value (Service.Interface) - Lenny putting issue on each edgex-go and SDKs
 - IPV6 - IOTech audit and Arch's meeting topic (Jim to send Cloud's initial info out to Lenny, Mike, Tony)



API V2

- PR 236 - more L&M suggestions. Lindsey working through them.
 - Ping ,config and metrics fetch - why changed to PUTs/POST when should be very simple GETs **Jim to check with Cloud and team; Lenny/Tony to comment to PR. Is this due to transport agnostic behavior - if don't force for HTTP. Or is due to correlation ID/request ID? We have other APIs with GET so the precedence is there not to have everything be PUT/POST.**
 - Translation has been removed (using homegrown solution created by Cloud's team)
 - Diff lib - does diff of files?? Dependency of other packages we are using.
 - **Jim to research what it is, if it is really used, what's at stake to remove it?**
 - **Tony would like to commend Cloud and team for their PR description - well done, thanks team**
- Controller/Handler with RedisDB client for Events - **on holding waiting #236**
- Should we start to work Metadata DTOs in parallel? - **sounds like a good idea if we have resources to work it.**

Kanban Board Review

<https://github.com/orgs/edgexfoundry/projects/25>

New Business

- V2 Ping API from Consul (Lenny) - **covered in discussion above**
- Hanoi release (items in green have been started)
 - From Virtual F2F planning
 - **DS to Core via message bus (with SSH Tunnel)**
 - Design for metrics/control plane events (sys mgmt) - ADR 0006
 - Move to Go 1.15 when available (1.14 is avail)
 - **V2 API for core, device and appl services (support may be at V1) minus security**
 - Explore collapse of command and metadata
 - (look at possibility with V2)
 - Effort of collapse may be less than separate V2
 - What's impact outside of API
 - **Deprecate Mongo**
 - **Drop the log service**
 - **Drop Drools**
 - **Compose files and Snaps**
 - **Multi-file compose files**
 - Roadmap UI
 - **Incorporate rules engine**
 - Discussion with internal and external that UI is needed but needs to do updates/adds of metadata too
 - Hold over issues
 - Unlimited readings crash core data



(plus system management and UI)

- Redis runs out of memory
- Continuously log errors if support notifications isn't running
- Per sys mgmt meeting and F2F
 - Fixed manifest in Sys Mgmt (new add - thanks Tony)
 - Facilitate Kubernetes (crawl - deployment/service YAML)
 - VMWare and Dell both working separate efforts on this
 - CLI (from F2F and sys mgmt)
 - What's missing/what's broke
 - Move from Holding?

6/18/2020

Attendees:



Agenda

Confirmation of repositories of responsibility

<https://github.com/edgexfoundry/edgex-go>

<https://github.com/edgexfoundry/go-mod-core-contracts>

<https://github.com/edgexfoundry/go-mod-bootstrap>

<https://github.com/edgexfoundry/go-mod-registry>

<https://github.com/edgexfoundry/go-mod-configuration>

<https://github.com/edgexfoundry/go-mod-messaging>

And UI stuff

And now system management and CLI too

Old Business

- Client monitoring
 - <https://github.com/edgexfoundry/edgex-go/issues/2580>
 - <https://github.com/edgexfoundry/edgex-go/issues/2526>
 - Decision - remove monitor functionality (Monitor()) from service clients
 - Decision - going forward to look into whether or not service registry changes can be pushed from Consul to EdgeX
- Config setting for ListenAndServe interface.
 - Lenny changed this to be hard coded to 0.0.0.0
- V2 API
 - DTO review



(plus system management and UI)

- <https://github.com/edgexfoundry/go-mod-core-contracts/pull/236>
- annotations/validation library
- Beyond DTO
 - Work delayed because of 1.2.1, but back on now
 - Controller and Handler with RedisDB client for posting Event
 - On to metadata and command after that
- Project board review/update/clean out - Thanks Trevor
 - <https://github.com/orgs/edgexfoundry/projects/25>

New Business

- Hanoi planning - Will cover in more depth next week
- System management goals/efforts
 - Metrics (continue to work a design)
 - CLI
 - Explore work Malini/Diana have done - is CLI usable by dev's?
 - What would it take to be usable and moved from holding?
 - UI and CLI in an client/end user WG??
 - Kubernetes work
 - Working with a couple of groups on crawl - with OH on look