



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		
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- 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.



(plus system management and UI)

- 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
 - 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

EdgeX Foundry Core Working Group



(plus system management and UI)

- Possible new core group to work on it: Jim to setup and send out invitations

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)