EdgeX Foundry Core Working Group

(plus system management and UI)

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	

- 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
    - ○ Change in 1.2.1 - side effect on snap
    - ○ Need patch for Snaps - using the previous version of go-mod-boostrap 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)

(plus system management and UI)

- 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.

UI Direction
- 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
- 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