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](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](https://github.com/edgexfoundry/edgex-go/pull/2627)
    - Now pending [https://github.com/edgexfoundry/go-mod-core-contracts/pull/253](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
  - 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)
  Impacts all services - covered under old business
  - Startup Duration and Interval - go-mod-bootstrap PR
    - [https://github.com/edgexfoundry/go-mod-bootstrap/pull/86](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/1tHxomWv5C1bz7LHvrOcbS\wRMSXhvBngWYhFUv5fk4JY/edit?ts=5f1efac4](https://docs.google.com/document/d/1tHxomWv5C1bz7LHvrOcbS\wRMSXhvBngWYhFUv5fk4JY/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](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**

- 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