Core Working Group Meeting Notes (16-May-2019)

Attendees:

Participants (13)

Type to filter...

TC Trevor Conn (Host, me)

Akram Ahmad (Dell)

AS André Srinivasan

Brandon Forster

D Danube

EC Eric Cotter

Greg Zuro

JW Jim Wang

LG Lenny Goodell (Intel)

Michael Estrin

M Mike

R Rebekah

U UwkDG/iof2lJunFseOhuxzOBRvQDZc...

Old Business

- CBOR
  - Progress Update
- Redis
  - Depends on discussion during DevOps call immediately preceding.

New Business

- Core-Command
  - The purpose of this service is to execute device commands via GET/PUT
    - Look at the service client in core-contracts and you'll see these are the only two capabilities
      - https://github.com/edgexfoundry/go-mod-core-contracts/blob/master/clients/command/client.go
  - The source of record for device/command data is core-metadata, so that is where all writable operations for these entities should be located.
  - [Proposal] to remove endpoints facilitating write operations on commands and/or devices in core-command
    - PUT /device/{id} (Used to set admin/operating State on device)
      - Already provided by the following metadata routes
        - PUT /device/{id}/adminstate/{adminState}
        - PUT /device/{id}/opstate/{opState}
    - PUT /device/name/{name} (Used to set admin/operating State on device)
      - Already provided by the following metadata routes
        - PUT /device/name/{name}/adminstate/{adminState}
        - PUT /device/name/{name}/opstate/{opState}
      -
    - PUT /device/{id} (same as above, totally redundant)
    - *No one on the call has a problem with this. I will send out a decision email to mailing list.*
- Core-Metadata
  - As discussed previously, we are moving toward a strategy whereby commands and their relationship to a device is managed through the DeviceProfile
  - See edgex-go project for more information

- https://github.com/edgexfoundry/edgex-go/projects/10
  - The DeviceProfile will be a template from which commands will be assigned to a device when a new device is provisioned.
  - Any change to a device's commands should not be made on an individual device, but rather via the DeviceProfile. These changes will then need to cascade to all associated devices.
  - [Proposal] to remove endpoints from core-metadata that facilitate writable operations to the device/command relationship
    - POST & PUT /command (adds or updates a command)
    - DELETE /command/id/{id} (deletes a command by its ID)
    - These endpoints today have no real effect because whenever we return a list of commands for a device, those commands come from the DeviceProfile and not the Commands collection.
    - Our understanding is that it is impractical to have one device out of a set that deviates from the device profile that it was provisioned under. Therefore the device profile should serve as the template for all capabilities that can be performed by a given device.
    - *No one on the call has a problem with this. I will send out a decision email to mailing list.*
  - If we are not comfortable with removing these, then I suggest for Edinburgh we return 501 – Not Implemented and document this in the RAML.
    - *Sounds like removal is OK, but include this as a fallback.*
- Fuji Core Deliverables review
  - Stabilization cycle, although I'm sure stuff will come up
  - Notifications when device provisioning (device landscape) changes
  - Discussed increased unit test coverage. This will require some refactoring.
  - Device auto-provisioning support (such as device blacklists). Awaiting more defined requirements.
  - Value Descriptor sync with Device Profile
  - Eliminate Device Service from Device contract type
    - https://github.com/edgexfoundry/go-mod-core-contracts/issues/27
    - Similar to Device Profile work above
  - Focus on the edge. No HA focus until Geneva.
- Security / Vault Integration if time permits

- Snaps will have security enabled by default, easier to disable
- Call out on Edinburgh release notes / docs that security will be disabled by default in general docker-compose. There will be a separate docker-compose for security where it will be enabled.
- Documentation issues
  - Review of documentation GitHub backlog