Core Working Group Meeting Notes (20-Dec-2018)

Attendees:

Old Business

- Progress Updates
  - Logistics RE: blackbox tests
    - For now, keeping these as separate repos
    - Expecting PRs in both repos where API or behavior is modified.
  - Abstraction Layer for Consul (Issue 797)
    - Presentation last week from Lenny on abstraction design proposal
    - Follow-up items from Registry Abstraction / Vault discussion (LENNY)
      - *Email notes sent by Lenny 17-Dec-18*
  - CBOR
    - Anything to discuss here?
    - *Will move this off until Tobias is ready. Preliminary design and discussion to happen on Device Service calls.*
- Consul Readable/Writable Proposal
  - Proposal V2 was circulated to the Core-TSC email list
  - *Replied this morning to Steve Oss comments*
  - *Will consider this version good unless subsequent high-level concerns come in during the next couple days.*

New Business

- Vault – Proposed presentation from David Ferriera
  - *Uses Consul as a back-end store by default but other options are available*
  - *Registry/configuration responsibilities can be something else (Spring) and we could still use Consul for secrets*
    - *The relationship between Consul and Vault does not preclude having two abstractions based on separate responsibilities*
  - *Proposal to have a Secrets path in configuration for every service which would indicate the keys requiring a Vault lookup*
    - *Security issue since no authentication to Consul right now. Keys can be moved*
    - *From chat* https://kubernetes.io/docs/concepts/configuration/secret/
  - *Vault access requires a token*
    - *Where is this obtained?*

- - - *Proposed to provide credentials on startup (several methods to start, needs to apply universally)*
    - *How is it passed?*
      - *Request header*
  - *For Edinburgh, Registry/Config only included in abstraction*
    - *Vault would be Fuji release*
      - *One microservice only for integration during Edinburgh (app services, and/or one core service)*
    - *Otherwise, abstraction sans Vault to be included in all existing Go services (including device-sdk)*
  - *DevOps*
    - *Need to maintain flexibility between secure and non-secure deployments*
    - *Need to integrate with testing (performance for sure, not sure about blackbox verify)*
- Next meeting Jan.10