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
    o 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)
    o 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