

# Device and Device SDK Working Group

## Notes for March 30 2020

### Dynamic discovery

- PR #448 in device-sdk-go: in review
  - Issue with asynchronous return of new devices – have a permanent thread listening to the channel, cf asynchronous readings?
  - Can we discriminate between “discovery started” and “discovery already running” success cases?
  - Use a simple mutex to synchronize threads?
- JSON-encoded Provision Watchers include the full details of the related device service and device profile – they should not.

### EdgeX v2 API

- PR #467 at device-sdk-go: in review

### Array datatypes

- PR #227 in go-mod-core-contracts for the new ValueType constants

### Visual Inference device service

- Initial code drop now in holding. This still operates via the MQTT device service but it is the intention to develop it into a standalone device service.

### AOB

- Can we run the go lang race detector on device services as part of testing. Manual runs indicate that some races are present. To be discussed at prewire in relation to all go services.
- The updated go-mod-bootstrap should merge today. Device-sdk-go should be updated to use it
  - Chris Hung’s draft PR to be updated as required. Co-ordinate the merges of this and the discovery PR.
  - Device-sdk-c will also need to be reworked in line with the new options and semantics
- Snap build is broken
  - Should be okay once config-seed has gone away.
- overwrite option should completely re-seed the registry
  - This should be fixed in the new bootstrap code
- Running a DS with the -help option, the service still runs
  - Also should be fixed in the bootstrap code