

Device and Device SDK Working Group

Notes for January 13 2020

Status updates

- device-bacnet-c is released
- “Owner” field set on device service repositories. WIP to document procedures for new repositories to avoid similar fixups being required in future

Visual Inference DS

- Presentation to be re-scheduled

Feature Design

- Discovery
 - Various issues and queries raised. **Trevor** and **Tony** to comment on the PR; **Iain** to revise accordingly
 - <https://github.com/edgexfoundry/edgex-docs/pull/67>
- Array types
 - ADR has been accepted in edgex-docs; will allow one week for any further comments and revisions

Internal API changes and versioning

- Some of the device service SDK API for Fuji is not as clean as it could be – this is a consequence of wishing not to make breaking changes in that release. It would be desirable to rework at least the following areas:
 - Device C/U/D callback registration
 - Command argument and environment processing (C SDK)
 - QueryParam passing
 - CommandResult population
- However, there is disagreement as to whether such changes can be made before v2.0. One view is that device services built with an SDK with a new internal (C / Go) API would still have the v1 external (REST) API and therefore continue to be compatible with v1.x. Another is that the guarantee of no breaking changes extends to the SDK-Driver boundary.

LastConnected property

- This is currently updated in core-data whenever an event is received from a device. Agreed that:
 - The functionality should be moved into the device SDKs
 - LastConnected should also be updated when a PUT command is executed
 - But updates should only occur if the DS is configured to do so – default configuration will be for disabled
- **Cloud** to create issues

Makefiles for C device services

- We'd like to create a consistent style for these which will work well with the build / ci infrastructure. **Lisa** and **Iain** to discuss initially and add to next week's agenda