

Device and Device SDK Working Group

Notes for July 15 2019

Status updates

- C SDK: Configuration overrides via environment implemented.
- GPS Device Service: currently in -holding, some issues still to be resolved following review.
- “CRUD” API: Current design as given in device-sdk-go #276 is agreed.
- Provision Watchers design: **Tony** will email the WG list with his comments.

OPC UA Device Service

- Burning, currently working with Siemens, gave a presentation and demonstration of an OPC UA Device Service implementation.
- Agreed that this should be brought into -holding for review and further development: **Iain** to arrange.
- Current repository is at <https://github.com/Burning1020/device-opcua-go>
- Noted that as a service based on subscriptions, it will benefit from the “CRUD” SDK API.

Releases and Versioning

- Proposed that the SDKs and DSs could have releases decoupled from the rest of EdgeX.
 - Although a new major version of EdgeX would likely require a new SDK version owing to API changes.
 - The SDK should verify that it’s service dependencies are met at runtime.
- Noted that such matters are also applicable to the Applications SDK.
- **Jim** will draft a document outlining release and versioning policies.

Testing

- Cloud and others are working on a test plan based around the use of Intel’s Robot framework.
- This also involves the conversion of the API specifications from RAML to Swagger.
- Each device service implementation will need to be able to run with an appropriate simulator in order to have the tests run against it.