

Device and Device SDK Working Group

Notes for June 24 2019

Status Updates

- Edinburgh / v1.0.0 release
 - C device services to be part of future 1.0.1 release
 - Go SDK and related services not tagged and artefacts not created? **Jim to check**
- Event timestamps in Go SDK now strictly increasing

Value Descriptors

- These will be created in core-metadata rather than the device services
- Go SDK no longer needs to maintain a value descriptor cache: **Cloud to confirm**
- DS will need a callback from core-metadata in the event that a device profile is updated: **Trevor to look into**

Provision Watchers

- <https://github.com/edgexfoundry/go-mod-core-contracts/issues/111> – Fuji
 - **Tony will review**
 - Design changes in the interest of backward compatibility, updated on the issue during the meeting
- <https://github.com/edgexfoundry/edgex-go/issues/1451> – Future

Metadata changes

- Device
 - To hold profile and service by name only
 - Work is ongoing but unlikely to impact DS in the Fuji cycle
- DeviceProfile
 - PropertyUnit (to become a String)
 - Not for Fuji
 - PropertyValue (fields to be removed)
 - precision, size
 - Can be marked as deprecated in godoc
 - ResourceOperation (fields to be renamed)
 - “resource” becomes “devicecommand”, “object” becomes “deviceresource”

- New fields can be created for Fuji, with code to ensure both are present. Old fields to be marked as deprecated and removed in a future release. **Iain to create an issue** in core-contracts.
- DeviceResource: tag
 - This is a descriptive field with user-defined semantics. Document as such.

Requirements Document

- Device Service registration at startup
 - In core-metadata: if an existing record exists the DS should update it
 - In registry: if existing don't start; deregister on shutdown
 - C SDK #132 and GO SDK #217
 - Agreed that DS should deregister on shutdown but not perform checks at startup. Issues to be updated.
- Behaviour of GET (HTTP return, Events sent to core-data)
 - GO SDK #240
 - Not for Fuji
- JSON or CBOR via “Accept” request header
 - Not for Fuji