

Device Services WG

Meeting notes June 25th 2018

Steve Osselton is now chair of the WG.

Device SDK requirements update

Requirements document expected complete this week (Tony).

Binary Encoder requirements

Is HMAC supported in CBOR/COSE?

Schema/Schemaless comments in requirement 4 to be clarified (Steve).

More information on the Hitachi use-case wanted. Note that at this stage we are only talking about encodings and should avoid being distracted by transport choice if possible.

Go SDK status

Simple readings (ie, not the “all” endpoint) are implemented and are passed to core-data.

Device creation in core-metadata is not implemented – currently using device-virtual to populate metadata.

Device profiles can be loaded from file but are not onboarded.

C SDK status

Tracking the Go SDK.

Currently working on REST support.

Not published at this time.

AOB

In our JSON encoders we are sending default values for optional fields that have not been set. Can this be avoided?

Can we avoid doing demarshal / remarshal operations in each microservice that data passes through. Or at least only partially demarshal?

In initial support for binary data we will use base64 encoding as a placeholder.

We would like to re-address the use of the scheduling service to trigger device readings (for Delhi). It would be more efficient for each device to have a collection frequency setting and for the device service to manage the scheduling of readings internally.