Device and Device SDK Working Group

Notes for July 22 2019

Status updates

- C SDK: Device create/update/delete callbacks implemented.

- Go SDK: As above, PR requires review.

- OPC UA device service imported into -holding repository.

Value Descriptors

- The SDKs should determine whether or not to generate Value Descriptors when uploading Device Profiles, by inspecting the returned value from the ping endpoint on core-metadata to determine the version of that service. (**Cloud** / **Iain**).

Releases and Versioning

- Need to highlight the possibility that a critical bug might not be fixable without a breaking change to the API. In such a scenario the TSC would have to weigh the severity of the bug against the disruption of an unplanned major revision.

- Agreed that the SDKs and services built on them can be released and versioned independently in terms of minor and patch revisions, but are to be aligned on major versions.

- Version of each service to be made available on the 'ping' endpoint. Noted that the VERSION files are to be removed: this cannot happen until an alternative mechanism for getting the version string into the executable is available.

Readings Cache

- WG members to consider potential requirements driving this feature, and review https://github.com/edgexfoundry/device-sdk-go/issues/195

- Noted that the ability to obtain the most recent reading without issuing an actual request is available in core-data.

Port number allocation

- Create documentation regarding assigned default port numbers for supported EdgeX services and suggested port ranges for third-party / experimental services. (**Iain**)

- Investigate the possibility of an "AUTO" setting for port number on a device service. (**Iain**)

Parameters for GET requests

- WG members to review https://github.com/edgexfoundry/edgex-go/issues/1564

    - Post-meeting note: and the PR https://github.com/edgexfoundry/edgex-go/pull/1571