Device and Device SDK Working Group
Notes for April 20 2020

Status

• C SDK
  ◦ 4 issues to be closed out before codefreeze on Wednesday (#217, #223, #232, #246)
  ◦ Re: #217, confirmed Profile update/remove is only allowed with no associated devices

• Go SDK
  ◦ Discovery PR now approved
  ◦ Array types has an open PR
  ◦ -n flag not a priority, can be addressed post-Geneva
  ◦ Some known bugs in the startup code, can be fixed during the freeze

• device-blueooth-c
  ◦ PR exists targeting the open issues
  ◦ But we will not tackle the move out of -holding and preparation for release at this stage of the cycle. Will look to bring it in after the release

• Other device services
  ◦ Currently being updated to consume new SDK and bootstrap versions
  ◦ Status of camera DS unclear, Jim and Lenny to check in with Daniel and Toby respectively

Device Profiles

• Documentation
  ◦ Very little documentation in edgex-docs – Iain to expand based on the notes in the SDK

• Validation
  ◦ A standalone tool that would take a YAML device profile and validate it would be helpful
  ◦ Various range and referential integrity checks may be performed. In EdgeX problems with a profile may only come to light when a DS retrieves it
  ◦ Requirements for “Attribute” values vary according to Device Service, and for some (eg, OPCUA) the possibilities are fairly open
  ◦ Tool could validate everything else in a “generic” mode and also support specific checks for a DS according to a commandline option
  ◦ Consider for inclusion in Hanoi scope