

Device Services Working Group Notes

25-Mar-2019

- Detailed discussion regarding the implementation of the AutoEvent mechanism
 - The relevant PR is: <https://github.com/edgexfoundry/device-sdk-go/pull/216>
 - Reviewed by Tony
 - Question came up: Use *gofmt* (Is it part of every running CI build?)
 - Toby - Other go linters to use?
 - Cloud – Changed the implementation so that it now applies only to auto events.
 - “Normal” REST call cannot tell whether auto event field is true or false
 - Tony - For Java, this was applicable across the board (caching)
 - Malini – Consistency
 - Jim – Nobody is eager to emulate the Java approach in Go code base...
 - Tony - TTL cache, and the notion of replacing internal scheduling.
 - On-change flag (using a *push* mechanism, versus a *pull* mechanism)
 - Iain - Defer to devices themselves
 - Tony - Cover asynchronous and REST calls.
 - Jim – Let’s keep the implementation *as-is*, for now. Defer to a major discussion (at the Fuji F2F)
- The question came up: Should we send only one (new) event rather than the set of events?
 - Related discussion: Frequency of sending events?
 - From Toby:
https://github.com/joelparkerhenderson/architecture_decision_record
- Iain mentioned the relevant issue: <https://github.com/edgexfoundry/device-sdk-go/issues/195> for readings cache
- After some discussion, the decision was to allow an integer with a time specifier (ms) or (hmmss), etc. to suitably timestamp readings.
 - Toby mentioned Go's time structure parses these in a standard way:
 - `time.ParseDuration(durCountdown)`
- Tony - 218 (Device SDK go) - Implement Device C SDK
- Iain mentioned: Appendix A (Review)
- Tony pointed the Google Docs location— Tony - Requesting review for next WG. Please use the Google Docs material, review, and be prepared to discuss at the next Device Services WG meeting:
 - <https://docs.google.com/document/d/1aMIQ0kb46VE5eeCpDlaTg8PP29-DBSBTlgeWrv6LuYk/edit>
- Some mention of how to use Device resources endpoint
 - Tony and Iain to review (Device profiles etc.)
 - Device Resource -> Device Commands -> Core Commands
 - Iain: Impact to Core contracts
 - Tony - Remove device profiles from device structs...

- Trevor - Eliminating value descriptors (Issue created by Joan)
 - Tony to explore and set up call (with Trevor, Joan, etc.) for alignment
- Michael Hall - Docs that are TBD.
 - <https://github.com/edgexfoundry/edgex-go/projects/7>
 - BLE (Wait till next TSC meeting)
 - Is BACnet planned?
 - Start from /holding rep...
 - Jim - API Walkthrough, for example, would need to be fleshed out... (in a generic way)
 - (Jim and Michael to coordinate on that)
 - Also, the Device MQTT docs...
 - Michael asked whether we want to use Wiki style meeting minutes update.
 - If so, he can setup a directory like:
 - <https://wiki.edgexfoundry.org/display/FA/Sys+Mgmt+WG+Meeting+Minutes> (that is, if the Device Services group wants it)
 - Meanwhile, Akram Ahmad is capturing minutes in usual spot.