Problem Details for CoAP APIs
[status update]
CoRE WG Virtual Interim 2021-05-12
Recap (timeline)

- Draft adopted (-00), May 2020
  - On the premise that this would be a CoRAL embodiment that we’d use to put some CoRAL concepts to the test
- -01 published, Jul 2020
  - Structure and some of the easy fixes added in
- Editors meeting regularly until end of Dec 2020
  - Discussion on the not-so-easy design aspects, including extensibility of the semantics & discovery
- 3 months hiatus (during which the draft expired)
- Activity restarted early April 2021 - together with the CoRAL building blocks
Open Issues

a) Minor editorial stuff

b) Completing the common data model
   - Basic attributes (title, type, details, …) [DONE]
   - Optional, per-feature attributes (targeted at common use cases) [DOING]

c) Allow extending the data model on a per-API basis [TODO]
   - Goals:
     - Easy to register (for a developer != standardization geek)
     - Allow compact representation
     - Discoverable by API consumers
     - Possibly no private/public separation

(https://github.com/core-wg/core-problem-details/issues)
Next steps

• One plausible plan could be to complete the activity around a) and b) from slide 3 before IETF 111
  • This would result in the publication of -02 - and perhaps -03 as well, depending on how we slice the work

• In parallel, we need the wider CoRAL discussion on dictionaries and discoverability to converge
  • Once we have that, I expect we can just use that machinery in PD and be done with it