IETF Hackathon

IETF 109
November 9–13, 2020
Online

I E T F

ASDF: A Simple Definition Format (SDF) for Data and Interactions of Things

- Data models for IoT Things differ **without need**
- One Data Model (onedm): set up processes to fix this
  - Need common modeling format ➔ SDF 1.0 (June)
- ASDF: New IETF WG picking that modeling spec up
- Don't create a fantasy spec: **Try it out**!

Hackathon Plan

- Work through open issues raised on SDF 1.0
- Write code that exercises proposed changes
- Make sure that the ~ 200 SDF specs out there can be updated along these changes
- Have a look at Jana's YANG→SDF conversion tool

What got done

- Tested out resolutions to issue 3: cross-model referencing
  - Came up with convention on curie usage
  - Discussed transitions in namespaces during model progress and completion
- Made progress on issue 4: aggregation (compound types)
  - Fixing the way data are composed for actions and events
- Work is continuing today…

What we learned

- Wow, it really helps to have daily 1-hour meetings, with code-writing and spec-bashing in between

- Tools:
  git/github (with OneDM models), CodiMD, WebEx 😱

- Thanks for the IETF CodiMD instance

Wrap Up

Team members:

- Ari Keränen
- Carsten Bormann
- Michael Koster
- Niklas Widell

First timers @ IETF/Hackathon:

- Jana Kiesewalter
- Wouter van der Beek

https://onedm.org/

https://github.com/ietf-wg-asdf/SDF/issues