

NIPC update

ASDF working group meeting

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The NIPC repo has moved!

- The NIPC repo has moved to the asdf-wg repo:

<https://github.com/ietf-wg-asdf/asdf-nipc>

Please review and comment!

- Create an issue
- make a suggestion and create a PR
- Comment on the mailing list

- The Open-Source project is still here:

<https://github.com/iot-onboarding/tiedie>

Contributions & comments welcome!

- Create an issue
- Contribute code

ietf-asdf-nipc-draft03

- API changes to adopt to ASDF principles and nomenclature:
 - Replaced different operations categories with SDF actions
 - Updated pub/sub topic APIs to SDF events
 - Introduced properties instead of attributes
 - Consolidated different types of properties into a single SDF property
 - Removed superfluous API's due to consolidation of properties
 - Updated the schema with SDF nomenclature
- Updated OpenAPI model (appendix)
- Updates to the intro and overview to reflect changes
- A new architecture section explaining all API architecture elements
- Changed data interface from protobuf to CBOR encoding
- Added Error code section

We still have a lot to do...

- Update registration API to leverage SDF model
- GET/PUT property is not an action, remove action from the URI
- APIs with embedded protocol mappings (no SDF model available)
- Observable property vs event?
- Leverage in-path variables to make APIs easier to proxy as suggested by Ari (thank you!)
- Remove redundant APIs
- Include a `/.well-known/` URI definition
- Further detail error handling
- IANA considerations section
- Security considerations section
- more API examples in the example use cases
- Prune the OpenAPI yaml, try to reduce it in size
- Update Open-Source implementation
- Simpler Open-Source implementation with dummy devices (does not require radio)
- Specify SDF model manifest

Open Questions

- Can we specify an SDF NIPC Quality in the NIPC draft, or does this require a separate document?
- Where do we specify SDF model manifest for a thing (for inclusion in SCIM, MUD, ...)? Separate document?

Discussion