

draft-ietf-scim-device-model update

Eliot (for Muhammed and Hassan)

IETF 118

Recap: SCIM device model

- Hardware/IoT providers and others provision devices onto a deployment network via SCIM (deployment is server)
 - Roles reversed from normal SCIM
- Model is modular
 - BLE
 - Zigbee
 - Wifi-DPP
- New models we are looking to add
 - Fido Device Onboard
 - Wired DPP
 - Matter (eventually)
 - enOcean (eventually)
- Work is relevant to draft-brinckman-nipc
 - Non-IP Control of IoT devices
 - NIPC presented to ASDF and IOTOPS

Changes since IETF 117

- Mobility bit added
- Non-normative Corrections to the OpenAPI model
- client-token-> ClientToken (matches some running code)
- Some folding changes in examples
- **Implementation!!!**
 - <https://github.com/iot-onboarding/tiedie>
 - Committers wanted!
 - Issues wanted!
 - PRs to the draft wanted!

Big issues remaining

- Request from IETF 117 to handle non-IOT device provisioning
 - We need a proposal
- Versioning
 - Version per model (a'la OpenAPI)
 - Version per object (Sort-of-SCIMish)
- Security Considerations
 - What does it mean to provide credentials to a deployment?
 - Remediations: encrypt over the top, don't use this mechanism
- IANA Considerations
 - Need to fill this out in some detail
- Extensibility
 - A test case
- Any additional models

Timeline and Location

- We'd like to aim toward WGLC in the Spring
 - We would like to actively work these issues between now and then
- I would also like a pony in that timeframe. Can I have a pony?
- <https://github.com/iot-onboarding/scim-devices>