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](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](https://github.com/iot-onboarding/scim-devices)