draft-ietf-scim-device-model-update

Eliot (for Muhammed and Hassan)

IETF 119
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 118

• FDO added
• Also Ethernet-MAB
• IANA Considerations Added
• Lots of editorials
• Folding improved
• Only small nits now (there’s a Unicode character or two hiding in the draft)
Observation

• With FDO implementation, we discovered that there can be two aspects of the work:
  • Configuring the network
  • Configuring the network to configure devices

• These can be combined.
  • Possible to use to configure non-IP devices for FDO
  • Allows independent expansion on network and device onboarding capabilities
Big issues remaining

• Request from IETF 117 to handle non-IOT device provisioning
  • We still need a proposal

• Versioning
  • Not happy about what we proposed. Simpler approach:
    • Use a new name for a new version.
    • Security Considerations review

• Extensibility
  • We need small words for this if versioning is agreed.

• Any additional models
Timeline and Location

• What would others like?
  • 8366 Vouchers?
  • Matter? (Need to know what to add)
  • Wired DPP?
  • ?

• Otherwise, if people like versioning proposal, **start WGLC in May?**

• Draft issues: [https://github.com/iot-onboarding/scim-devices](https://github.com/iot-onboarding/scim-devices)

• Open source: [https://github.com/iot-onboarding/tiedie](https://github.com/iot-onboarding/tiedie)
  • PRs welcome