

draft-ietf-scim-device-model update

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IETF 121

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

Since IETF 121

- Initial security review finished
- IoT Directorate review complete (nits only)
- WGLC finished
- Two open issues

Timeline and Location

- We would like to close the issues in the security review by mid-August
- Start **WGLC** by the 18th of August?
- Draft issues: <https://github.com/iot-onboarding/scim-devices>
- Open source: <https://github.com/iot-onboarding/tiedie>
 - PRs welcome

Allow subjectAlternateNames in client certs?

- Current text says that for Application Endpoints there can be DNS-based SANs
- If we have DNS-based SANs, then we need text about whether to bind the client to those

Review what is mandatory and what is optional

- Can a telemetryEndpoint be optional?
- Issue:
 - If it is optional and the application **requires** it, it must be absolutely transparent that it is not present.
- Resolution:
 - If we return a 200 **without** the element, then it is not supported in the enterprise environment.

Next steps

- Produce new draft
- Shepherd review?