Software Updates for Internet of Things (SUIT) WG

IETF 101, Monday, March 19, 2018

Chairs:

Dave Thaler

David Waltermire

Russ Housley

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

• By participating in the IETF, you agree to follow IETF processes and policies.

• If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.

• As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.

• Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.

• As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:
•BCP 9 (Internet Standards Process)
•BCP 25 (Working Group processes)
•BCP 25 (Anti-Harassment Procedures)
•BCP 54 (Code of Conduct)
•BCP 78 (Copyright)
•BCP 79 (Patents, Participation)
•https://www.ietf.org/privacy-policy/ (Privacy Policy)

Administrative Tasks

Bluesheets

We need volunteers to be:

- Two note takers

- One jabber scribe

Jabber: xmpp:suit@jabber.ietf.org?join

MeetEcho: https://www.meetecho.com/ietf101/suit

Etherpad: https://etherpad.tools.ietf.org/p/notes-ietf-101-suit

Agenda

1. Agenda bashing, Logistics -- Chairs (5 mins)

2. Review of charter milestones -- Chairs (10 mins)

3. Hackathon Report -- Hannes/Markus (30 mins)

4. Architecture Discussion
   - draft-zhu-suit-automatic-fu-arch-00 -- Julian (15 mins)
   - draft-moran-suit-architecture-03 – Hannes (15 mins)
   - Conclude Call for Adoption of draft-moran-suit-architecture -- Chairs (15 mins)

5. Manifest Format Discussion – Chairs (30 mins)

WG Status Report

Since the BoF at IETF 100:

- The WG has been chartered

- Thank you to everyone that helped get this WG started

We held a virtual interim on February 26, 2018
- Discussed ITU-T-SG-17-TSB Liaison Statement
- Reviewed architecture and manifest drafts
- Minutes are posted

Started WG adoption call on draft-moran-suit-architecture to conclude at this meeting

Hackathon project at the IETF 101 hackathon

Milestones

Date	Milestone
Jan 2018	Adopt "Architecture" document as WG item.
Mar 2018	**Adopt initial manifest serialization format(s) as WG item(s).**
Mar 2018	**Calendar item: First interoperability event at IETF 101.**
Mar 2018	**Adopt a manifest information model as a WG item.**
Jul 2018	Submit manifest information model to the IESG for publication as Informational.
Jul 2018	Calendar item: Second interoperability event at IETF 102.
Nov 2018	Submit an initial manifest serialization format to the IESG for publication as a Proposed Standard.

Hackathon Report

Architecture Discussion

New Work:

- draft-zhu-suit-automatic-fu-arch-00 -- Julian (15 mins)
- draft-moran-suit-architecture-03 – Hannes (15 mins)

Architecture Discussion (Cont'd)

Open Call for Adoption of draft-moran-suit-architecture

- Issued on March 10th, 2018 to conclude at the IETF 101 SUIT meeting
- The draft is being actively worked on based on WG feedback

Is this draft a good starting point for the WG architecture document?

- Comments on the list favor WG adoption
- Are there any concerns with adopting this draft as a starting point for the SUIT WG architecture?

Towards SUIT manifest information model and data model(s)

RFC 3444 defines:

- Information model (IM): Models managed objects at a conceptual level, independent of any specific implementations or protocols used to transport the data. The degree of specificity (or detail) of the abstractions defined in the IM depends on the modeling needs of its designers.

- Data model (DM): defined at a lower level of abstraction and include many details. They are intended for implementers and include protocol-specific constructs.
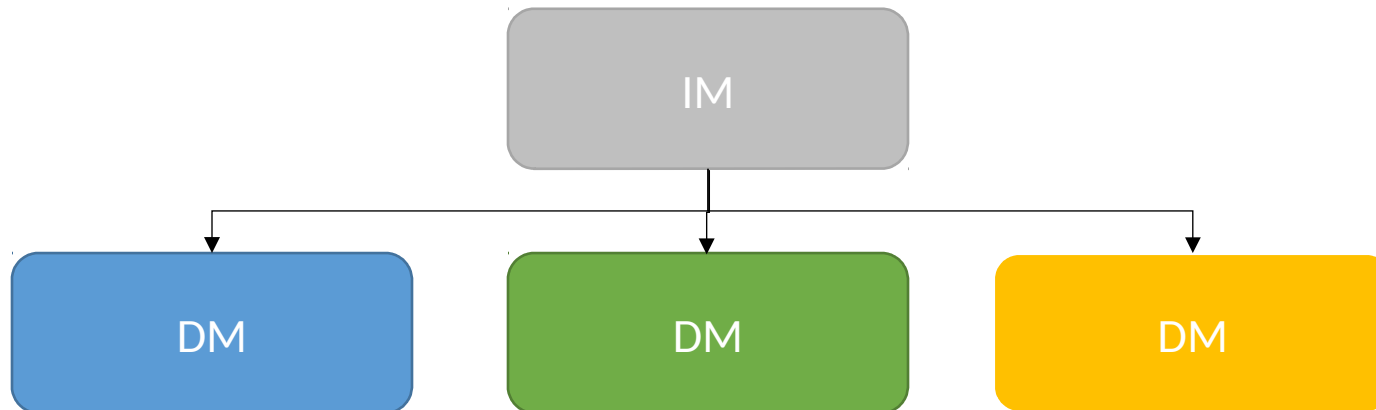
Towards SUIT manifest information model and data model(s) (Cont'd)

Sections 6 "Manifest" and A.6 "Manifest Fields" of draft-moran-suit-architecture-03 outlines some information items for a manifest, but is this a sufficient IM description?

Current individual DM drafts implicitly describe disjoint IMs, with some common information elements:

- draft-moran-suit-manifest-01
- draft-ietf-sacm-coswid-04

Towards SUIT manifest information model and data model(s) (Cont'd)

Milestones:

- March 2018: Adopt a manifest information model as a WG item.
- March 2018: Adopt initial manifest serialization format(s) as WG item(s).
- July 2018: Submit manifest information model to the IESG for publication as Informational.
- November 2018: Submit an initial manifest serialization format to the IESG for publication as a Proposed Standard.

As a WG, how should we address these milestones?

Open Discussion

- Other points of interest?