Software Updates for Internet of Things (SUIT) WG

IETF 117
Monday, 24 July 2023 at 15:30 PDT

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)
Living the IETF Code of Conduct

A brief reminder of key points from RFC 7154:

• IETF participants extend respect and courtesy to their colleagues at all times.
• IETF participants have impersonal discussions.
• IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
• Individuals are prepared to contribute to the ongoing work of the group.
IETF 117 Meeting Tips

**In-person participants**
- Make sure to sign into the session using the Meetecho (usually the “Meetecho lite” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- *Keep audio and video off if not using the onsite version*

**Remote participants**
- Make sure your audio and video are off unless you are chairing or presenting during a session
- Use of a headset is strongly recommended
Administrative Tasks

Bluesheets will happen automatically by joining MeetEcho

We need volunteers:
• Two note takers
• One jabber room watcher

Jabber: xmpp:suit@jabber.ietf.org?join
MeetEcho: https://www.meetecho.com/ietf117/suit
Etherpad: https://notes.ietf.org/notes-ietf-117-suit#
Agenda (1 of 2)

1) Logistics

2) Hackathon Summary
   - Share things that were learned

3) SUIT Manifest Format
   - draft-ietf-suit-manifest
   - Revised I-D Needed to address AD Review

4) SUIT Manifest Extensions for Multiple Trust Domains
   - draft-ietf-suit-trust-domains
   - In WG Last Call (ends today)
   - Revised I-D Needed to address a few nits

5) Update Management Extensions for SUIT Manifests
   - draft-ietf-suit-update-management
   - Discuss open issues; get ready for WG Last Call
Agenda (2 of 2)

6) Firmware Encryption with SUIT Manifests
   - draft-ietf-suit-firmware-encryption
   - Depends on draft-ietf-cose-aes-ctr-and-cbc and draft-isobe-cose-key-thumbprint
   - Discuss open issues; get ready for WG Last Call

7) Secure Reporting of Update Status
   - draft-ietf-suit-report
   - Discuss open issues; get ready for WG Last Call

8) Strong Assertions of IoT Network Access Requirements
   - draft-ietf-suit-mud
   - Depends on draft-isobe-cose-key-thumbprint
   - In WG Last Call; waiting for dependency to catch up

9) Mandatory-to-Implement Algorithms for SUIT Manifests
   - draft-ietf-suit-mti
   - Discuss open issues; get ready for WG Call Last Call

10) Any Other Business (if time permits)
## Milestones

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Old</th>
<th>Proposed</th>
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<tbody>
<tr>
<td>Submit SUIT Manifest MUD extension document to the IESG for publication</td>
<td>Dec 2022</td>
<td>Nov 2023 (dependencies; In WGLC)</td>
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<tr>
<td>as a Proposed Standard</td>
<td></td>
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<tr>
<td>Submit SUIT Manifest trust domains document to the IESG for publication</td>
<td>Nov 2022</td>
<td>Nov 2023 (In WGLC)</td>
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<tr>
<td>as a Proposed Standard</td>
<td>Nov 2022</td>
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<tr>
<td>Submit SUIT Manifest update management document to the IESG for publication</td>
<td>Nov 2022</td>
<td>Nov 2023 (Need WGLC)</td>
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<tr>
<td>as a Proposed Standard</td>
<td>Nov 2022</td>
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<tr>
<td>Submit SUIT Status Tracker document to the IESG for publication as a</td>
<td>Sep 2022</td>
<td>Nov 2023 (Need WGLC)</td>
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<tr>
<td>Submit firmware encryption document to the IESG for publication as a</td>
<td>Aug 2022</td>
<td>Nov 2023 (dependencies; Need WGLC)</td>
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<td>Proposed Standard</td>
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<tr>
<td>Submit revised SUIT Manifest to address AD review comments</td>
<td>new</td>
<td>August 2023</td>
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<tr>
<td>Submit Mandatory-to-Implement Algorithms for SUIT Manifests document</td>
<td>new</td>
<td>Nov 2023 (Need WGLC)</td>
</tr>
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