

IETF 121

Software Updates for Internet of Things(SUIT) WG

Thursday, November 7, 2024
17:30 - 18:30 IST

Chairs:
Akira Tsukamoto
David Waltermire

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)

Note Really Well

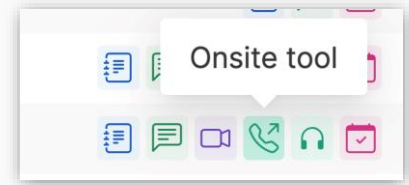
- IETF meetings, virtual meetings, and mailing lists are intended for professional collaboration and networking, as defined in the IETF Guidelines for Conduct (RFC 7154), the IETF Anti-Harassment Policy, and the IETF Anti-Harassment Procedures (RFC 7776). If you have any concerns about observed behavior, please talk to the Ombudsteam, who are available if you need confidentiality to raise concerns confident about harassment or other conduct in the IETF.
- The IETF strives to create and maintain an environment in which people of many different backgrounds and identities are treated with dignity, decency, and respect. Those who participate in the IETF are expected to behave according to professional standards and demonstrate appropriate workplace behavior.
- IETF participants must not engage in harassment while at IETF meetings, virtual meetings, social events, or on mailing lists. Harassment is unwelcome hostile or intimidating behavior—in particular, speech or behavior that is aggressive or intimidates.
- If you believe you have been harassed, notice that someone else is being harassed, or have any other concerns, you are encouraged to raise your concern in confidence with one of the Ombudspersons.

This session is being recorded

IETF 121 Meeting Tips

In-person participants

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the “Meetecho lite”) client to:
 - join the mic queue
 - participate in shows of hands
- *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.

Agenda (1 hour)

- *) Logistics
- 1) SUIT Manifest Format
 - draft-ietf-suit-manifest-28, 2024-10-21
- 2) SUIT Manifest Extensions for Multiple Trust Domains
 - draft-ietf-suit-trust-domains-08, 2024-10-30
- 3) Firmware Encryption with SUIT Manifests
 - draft-ietf-suit-firmware-encryption-21, 2024-10-22
- 4) Secure Reporting of Update Status
 - draft-ietf-suit-report-10, 2024-10-21
- 5) Strong Assertions of IoT Network Access Requirements
 - draft-ietf-suit-mud-09, 2024-07-23
- 6) Mandatory-to-Implement Algorithms for SUIT Manifests
 - draft-ietf-suit-mti-08, 2024-10-21
- 7) Update Management Extensions for SUIT Manifests
 - draft-ietf-suit-update-management-07, 2024-07-08
- 8) Any Other Business (if time permits)

Administrative Tasks

Bluesheets will happen automatically by joining MeetEcho

We need two volunteer note takers

- MeetEcho: <https://meetings.conf.meetecho.com/ietf121/?session=33556>
- Zulip chat: <https://zulip.ietf.org/#narrow/stream/suit>
- Notes: <https://notes.ietf.org/notes-ietf-121-suit>

Draft Status (1 of 3)

1) SUIT Manifest Format

- draft-ietf-suit-manifest-28, 2024-10-21
- Submitted to IESG for Publication
- Has 2 DISCUSSEs. Needs 2 more YES or NO OBJECTION positions to pass.

https://datatracker.ietf.org/doc/draft-ietf-suit-manifest/ballot/#draft-ietf-suit-manifest_murray-kucherawy

Links to the 2 DISCUSSEs from Paul Wouters and Murray Kucherawy

Murray Kucherawy

<https://mailarchive.ietf.org/arch/msg/suit/DWj-HnbcyVbeNfRWFKQYX2F9zTA/>

Paul Wouters

<https://mailarchive.ietf.org/arch/msg/suit/6aWJ7j7gT0Gyx6LoItyJeRjdtr8/>

- Carsten's merged PR is missing in -28.
<https://github.com/suit-wg/manifest-spec/pull/136/files>
- IANA comments, need the authors to confirm Data Item field
- Waiting revised draft by Authors
- TEEP depends on this

Draft Status (2 of 3)

2) SUIT Manifest Extensions for Multiple Trust Domains

- draft-ietf-suit-trust-domains-08, 2024-10-30
- Submitted to IESG for Publication
- AD Review by Deb Cooley, 2024-09-08
- Under early review
- Dave Thaler updated the shepherd writeup, done, 2024-10-26
- Waiting comments by Authors on DaveT review
- <https://mailarchive.ietf.org/arch/msg/suit/IYTpc7Oha-iWOEP6hBzVqNZHplQ/>
- TEEP depends on this

3) Firmware Encryption with SUIT Manifests

- draft-ietf-suit-firmware-encryption-21, 2024-10-22
- Submitted to IESG for Publication
- Has revised draft, 2024-10-22
- Depends on draft-ietf-cose-key-thumbprint, IESG state: RFC Ed Queue
- On agenda of 2024-11-21 IESG telechat

Draft Status (3 of 3)

4) Secure Reporting of Update Status

- draft-ietf-suit-report-10, 2024-10-21
- In WG Last Call, 2024-03-20
- Has revised draft, 2024-10-21
- Reviewed from Chair
- WG Consensus: Waiting for Write-Up
- TEEP depends on this

5) Strong Assertions of IoT Network Access Requirements

- draft-ietf-suit-mud-09, 2024-07-23 during IETF 120 after SUIT session
- Submitted to IESG for Publication
- Depends on draft-ietf-cose-key-thumbprint, IESG state: RFC Ed Queue
- IESG state:
hold until [I-D.ietf-rats-eat] [I-D.ietf-suit-manifest] clears IESG Review

Draft Status (3 of 3)

6) Mandatory-to-Implement Algorithms for SUIT Manifests

- draft-ietf-suit-mti-08, 2024-10-21
- Depends on draft-ietf-suit-firmware-encryption
- WG Consensus: Waiting for Write-Up
- Regarding adding ML-DSA/ML-KEM, wait COSE finishes them by Russ Housley

7) Update Management Extensions for SUIT Manifests

- draft-ietf-suit-update-management-07, 2024-07-08
- WG Consensus: Waiting for Write-Up

A-1) Others, Syncing I.D. on datatracker and github

- suit-manifest (Brendan)
Datatracker has -28, github:suit-wg has -26. done
- suit-report (Brendan)
Datatracker has -10, github:suit-wg has -09, github:bremoran has -04
- suit-mti (Brendan)
Datatracker has -08, github:suit-wg has -05, github:bremoran has -08, done
- suit-update-management (Brendan)
Datatracker has -07, github:suit-wg has -07, github:bremoran has -07, done

Resources for IETF 121 Dublin

- Agenda
<https://datatracker.ietf.org/meeting/agenda>
- Meetecho and other information:
<https://www.ietf.org/how/meetings/preparation>
- If you need technical assistance, see the Reporting Issues page:
<http://www.ietf.org/how/meetings/issues/>