IETF 122

Constrained RESTful Environments WG (core)

Chairs:

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Jaime Jiménez <jaime.jimenez@ericsson.com>
Carsten Bormann <cabo@tzi.org>

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Zulip: https://zulip.ietf.org/#narrow/stream/core

- We assume people have read the drafts

- Meetings serve to advance difficult issues by making good use of face-to-face communications

- Note Well: Be aware of the IPR principles, according to RFC 8179 and its updates

  - Blue sheets – Automatic
  - Chat Scribe(s)
  - Note Taker(s)

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)

https://www.ietf.org/about/note-well/
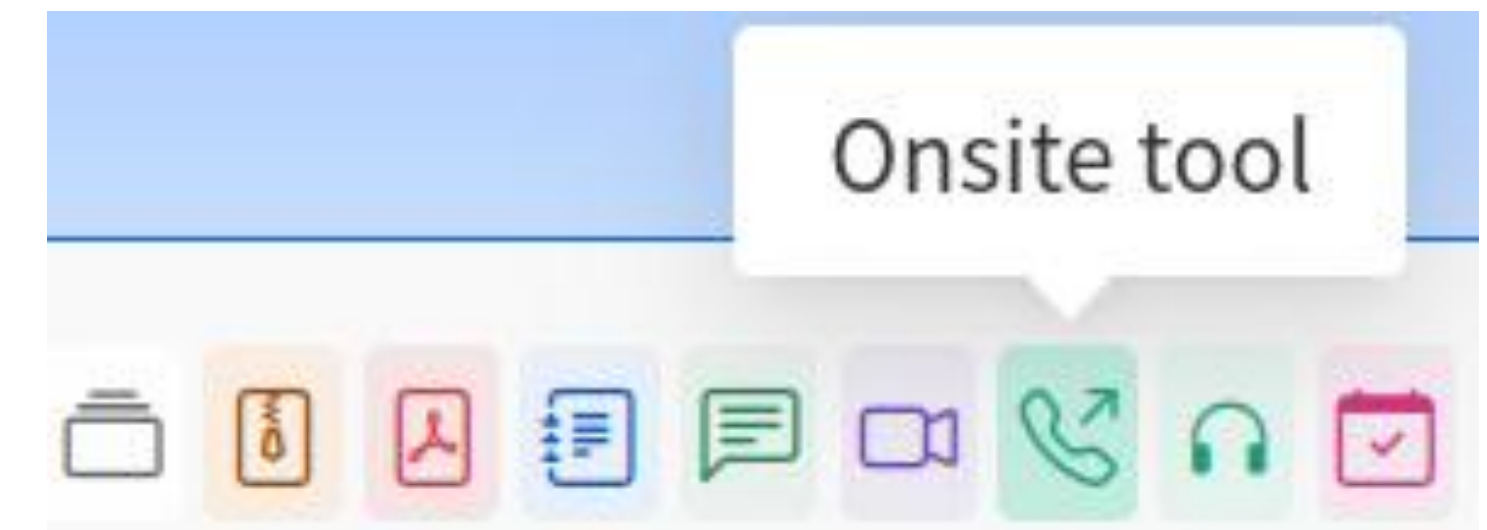
Practicalities

- **This meeting is being recorded**

- **In-person participants**

  - Make sure to sign into the session using Meetecho

    - "Onsite tool" client available from the Datatracker agenda

  - If not using the onsite version, keep audio and video off

  - **Joining the mic queue: <u>FIRST</u> join the queue in Meetecho, <u>THEN</u> go to the mic**
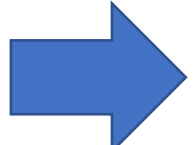

- **Remote participants**

  - Make sure your audio and video are off unless you are presenting

  - Use of a headset is strongly recommended

- **Use of queuing via the chat**

  - mic: to ask for relaying a question

Agenda (120 min)

- 02:30–02:45 [Chairs] Intro, Agenda, Status

- 02:45–02:50 [CB] CoAP corrections, clarifications, and gaps

- 02:50–03:00 [CB] CORECONF: YANG CBOR and YANG SIDs

- 03:00–03:15 [CB] Constrained Resource Identifiers

- 03:15–03:25 [JJ] Conditional Attributes for Constrained RESTful Environments

- 03:25–03:35 [ML] DNS over CoAP "bundle"

- 03:35–03:45 [JJ] A publish-subscribe architecture for CoAP

- 03:45–03:55 [CA] CoAP Transport Indication

- 03:55–04:05 [MT] Observe Notifications as CoAP Multicast Responses

- 04:05–04:20 [RH] Key Update for OSCORE (KUDOS)

- 04:20–04:30 [CG] CoAP in space and over Bundle Protocol (BP)

5

Document status

Published

- RFC 9668 (Proposed Standard)
  - "Using Ephemeral Diffie-Hellman Over COSE (EDHOC) with the Constrained Application Protocol (CoAP) and Object Security for Constrained RESTful Environments (OSCORE)"
  - Was draft-ietf-core-oscore-edhoc

Published

- RFC 9682 (Proposed Standard)
  - "Updates to the Concise Data Definition Language (CDDL) Grammar"
  - Was draft-ietf-cbor-update-8610-grammar

- RFC 9741 (Proposed Standard)
  - "Concise Data Definition Language (CDDL):
    Additional Control Operators for the Conversion and Processing of Text"
  - Was draft-ietf-cbor-cddl-more-control

Approved for publication

- draft-ietf-ace-wg-coap-eap (Proposed Standard)
  - "EAP-based Authentication Service for CoAP"
  - RFC Ed Queue: EDIT

In IESG Evaluation

- draft-ietf-core-cf-reg-update (Proposed Standard)
  - "Update to the IANA CoAP Content-Formats Registration Procedures"
  - On agenda of 2025-05-08 IESG telechat
  - Shepherd: Marco Tiloca

Publication Requested

- draft-ietf-core-groupcomm-bis (Proposed Standard)
  - "Group Communication for the Constrained Application Protocol (CoAP)"
  - AD Evaluation
  - Shepherd: Carsten Bormann

Publication Requested

- draft-ietf-ace-key-groupcomm-oscore (Proposed Standard)
  - "Key Management for OSCORE Groups in ACE"
  - AD Evaluation::Revised I-D Needed

- draft-ietf-ace-oscore-gm-admin (Proposed Standard)
  - "Admin Interface for the OSCORE Group Manager"
  - Publication Requested

- draft-ietf-cbor-edn-literals (Informational)
  - "CBOR Extended Diagnostic Notation (EDN)"
  - Waiting for AD Go-Ahead::Revised I-D Needed

Post-WGLC Processing (1/3)

- draft-ietf-core-oscore-groupcomm-25
  - WG Consensus: Waiting for Write-Up: Proposed Standard
  - Recently added "Implementation Status", following further interop tests
  - Addressed final nits raised during the Shepherd write-up preparation
  - Shepherd: Christian Amsüss

- draft-ietf-core-conditional-attributes-11 *
  - Completed WG Last Call; Waiting for WG Chair Go-Ahead
  - Addressed comments from Jaime after WG Last Call
  - Shepherd: Jaime Jiménez

- draft-ietf-core-href-20 *
  - Completed Second WG Last Call; waiting for WG Chair Go-Ahead
  - Addressed points from the Second WG Last Call and more recent ones
  - Shepherd: Thomas Fossati

* On today's agenda

Post-WGLC Processing (2/3)

- draft-ietf-core-dns-over-coap-13 *
  - Completed WG Last Call; Waiting for WG Chair Go-Ahead
  - Addressed comments from the WG Last Call
  - Shepherd: Marco Tiloca

- draft-ietf-core-coap-dtls-alpn-02 *
  - Completed WG Last Call; Waiting for WG Chair Go-Ahead
  - Addressed comments from the WG Last Call
  - Shepherd: Marco Tiloca

* On today's agenda

Post-WGLC Processing (3/3)

- draft-ietf-core-coap-pubsub-18 *
  - Completed WG Last Call; Waiting for WG Chair Go-Ahead
  - Need to address comments from the WG Last Call
  - Shepherd: Esko Dijk

- draft-ietf-core-comi-19
  - Addressed comments from WG Last Call
  - Some more points are left to address, then new WG Last Call
  - Shepherd: Michael Richardson

* On today's agenda

Other Documents

- Recently updated WG documents not in today's agenda
  - draft-ietf-core-groupcomm-proxy-04
  - draft-ietf-core-oscore-capable-proxies-04
  - draft-ietf-core-oscore-id-update-02
  - draft-ietf-core-oscore-key-limits-04
  - draft-ietf-core-attacks-on-coap-05

- Recently updated individual documents
  - draft-lenders-core-dnr-05 *
  - draft-tiloca-core-oscore-discovery-17
  - draft-bormann-core-responses-04
  - draft-gomez-core-coap-space-02 *
  - draft-gomez-core-coap-bp-03 *

* On today's agenda

Other Documents

- Recently updated WG documents
  - draft-ietf-ace-edhoc-oscore-profile-07
  - draft-ietf-ace-group-oscore-profile-04
  - draft-ietf-schc-8824-update-04

Reviews! (IETF 121–122)

- **"Process" Reviews: Shepherd, AD, IESG, Directorate (Telechat)**
  - draft-ietf-core-conditional-attributes, draft-ietf-core-cf-reg-update, draft-ietf-core-groupcomm-bis, draft-ietf-core-oscore-groupcomm

- **Spontaneous "WG Member" reviews**
  - Christian Amsüss: draft-ietf-core-href, draft-ietf-core-oscore-groupcomm, draft-ietf-core-coap-pubsub
  - Carsten Bormann: draft-ietf-core-cf-reg-update, draft-ietf-core-groupcomm-bis, draft-ietf-core-dns-over-coap
  - Esko Dijk: draft-ietf-core-coap-pubsub, draft-ietf-core-href, draft-ietf-core-coap-dtls-alpn, draft-ietf-core-dns-over-coap
  - Thomas Fossati: draft-ietf-core-href, draft-ietf-core-coap-dtls-alpn
  - Mikolai Gütschow: draft-ietf-core-dns-over-coap
  - Rikard Höglund: draft-ietf-core-groupcomm-bis
  - Jaime Jiménez: draft-ietf-core-conditional-attributes
  - Francesca Palombini (as an individual): draft-ietf-core-coap-pubsub
  - John Preuß Mattsson: draft-ietf-core-groupcomm-bis
  - Jon Shallow: draft-ietf-core-groupcomm-bis
  - Marco Tiloca: draft-ietf-core-cf-reg-update, draft-ietf-core-href, draft-ietf-core-coap-dtls-alpn, draft-ietf-core-dns-over-coap, draft-ietf-core-coap-pubsub

- **Github feedback (specific issues, broader review)**

- **Your review here**

18

Next CoRE Interim Meetings

- W15 Wednesday 2025-04-09, 14:00-15:30 UTC / 16:00-17:30 CEST

- W17 Wednesday 2025-04-23, 14:00-15:30 UTC / 16:00-17:30 CEST

- W19 Wednesday 2025-05-07, 14:00-15:30 UTC / 16:00-17:30 CEST

- W21 Wednesday 2025-05-21, 14:00-15:30 UTC / 16:00-17:30 CEST

- W23 Wednesday 2025-06-04, 14:00-15:30 UTC / 16:00-17:30 CEST

- W25 Wednesday 2025-06-18, 14:00-15:30 UTC / 16:00-17:30 CEST

- W27 Wednesday 2025-07-02, 14:00-15:30 UTC / 16:00-17:30 CEST

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20

Flextime

Thank you!
Comments/questions?