

IETF 121

Constrained RESTful Environments WG (core)

Chairs:

Marco Tiloca <marco.tiloca@ri.se>

Jaime Jiménez <jaime.jimenez@ericsson.com>

Carsten Bormann <cabo@tzi.org>

Mailing list: core@ietf.org

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)

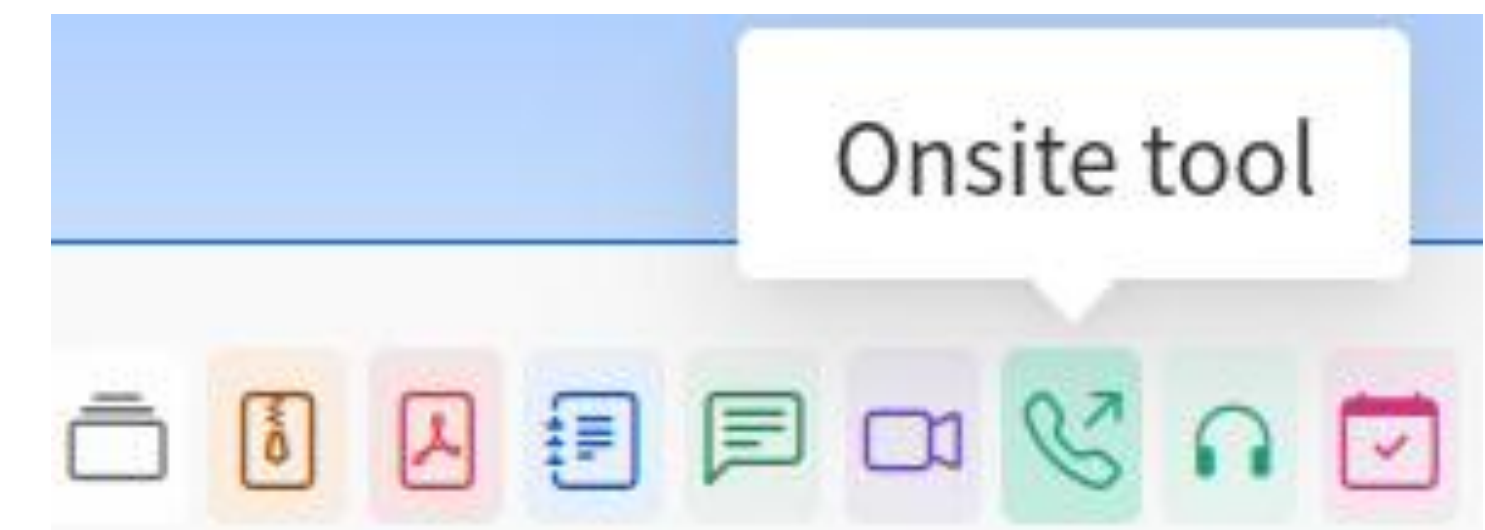
<https://www.ietf.org/about/note-well/>

Practicalities

- **This meeting is 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: FIRST join the queue in Meetecho, THEN go to the mic**
-



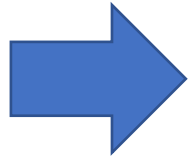
- **Remote participants**

- 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)

- 
- 09:30–09:40 [Chairs] Intro, Agenda, Status
 - 09:40–09:50 [CB] CORECONF Cluster
 - 09:50–10:00 [CB] Constrained Resource Identifiers (HREF)
 - 10:00–10:10 [BS] Conditional Attributes
 - 10:10–10:20 [ML] DNS over CoAP (DoC) “bundle”
 - 10:20–10:30 [CA] CoAP Transport Indication
 - 10:30–10:40 [JJ] Pub-Sub Architecture for CoAP
 - 10:40–10:50 [ED] Group Communication for CoAP
 - 10:50–11:00 [MT] Proxy Operations for CoAP Group Communication
 - 11:00–11:15 [RH] Key Update for OSCORE (KUDOS)
 - 11:15–11:25 [CG] CoAP over Bundle Protocol (BP)
 - 11:25–11:30 [CA] Stateless OSCORE

Document status

Published

- RFC 9595 (Proposed Standard)
 - “YANG Schema Item iDentifier (YANG SID)”
 - Was draft-ietf-core-sid



Published

- **RFC 9594 (Proposed Standard)**
 - “Key Provisioning for Group Communication Using Authentication and Authorization for Constrained Environments (ACE)”
 - Was draft-ietf-ace-key-groupcomm
- **RFC 9581 (Proposed Standard)**
 - “Concise Binary Object Representation (CBOR) Tags for Time, Duration, and Period”
 - Was draft-ietf-cbor-time-tag

Approved for publication

- **draft-ietf-core-oscore-edhoc (RFC 9668-to-be, Proposed Standard)**
 - RFC Ed Queue: AUTH48
 - “Using Ephemeral Diffie-Hellman Over COSE (EDHOC) with the Constrained Application Protocol (CoAP) and Object Security for Constrained RESTful Environments (OSCORE)”

Approved for publication

- draft-ietf-cbor-update-8610-grammar (RFC 9682-to-be, Proposed Standard)
 - RFC Ed Queue: AUTH48
 - “Updates to the CDDL grammar of RFC 8610”

In IESG Evaluation

- draft-ietf-ace-wg-coap-eap (Proposed Standard)
 - “EAP-based Authentication Service for CoAP”

Publication Requested

- **draft-ietf-ace-key-groupcomm-oscore (Proposed Standard)**
 - In AD Evaluation
 - “Key Management for OSCORE Groups in ACE”
- **draft-ietf-cbor-edn-literals (Informational)**
 - In AD Evaluation
 - “CBOR Extended Diagnostic Notation (EDN)”
 - Had a major editorial rewrite. No technical changes since the WGLC.

Post-WGLC Processing (1/2)

- **draft-ietf-core-oscore-groupcomm-23**
 - Addressed Shepherd Reviews of versions -17 and -21
 - Addressed implementation-related comments from Christian
 - WG Consensus: Waiting for Write-Up: Proposed Standard
 - Shepherd: Christian Amsüss
- **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
- **draft-ietf-core-yang-library-03 ***
 - WG Consensus: Waiting for Shepherd Write-Up
 - Need to synch with draft-ietf-core-comi; we may have a new WG Last Call
 - Shepherd: Carsten Bormann

Post-WGLC Processing (2/2)

- **draft-ietf-core-groupcomm-bis-12 ***
 - Completed WG Last call; comments addressed in version -07
 - Addressed comments on version -11 from Christian
 - Waiting for WG Chair Go-Ahead: Proposed Standard
 - Shepherd: Carsten Bormann
 - Expecting WGLC reviewer's feedback
- **draft-ietf-core-conditional-attributes-08 ***
 - Completed WGLC; Waiting for WG Chair Go-Ahead
 - Address most points raised during WG Last Call
 - Shepherd: Jaime Jiménez
- **draft-ietf-core-href-16 ***
 - Completed WG Last call; waiting for WG Chair Go-Ahead
 - Addressed points from WG Last Call and more recent ones
 - More recent points to be addressed; then new WG Last Call

* On today's agenda ¹⁴

Post-WGLC Processing

- draft-ietf-ace-oscore-gm-admin (Proposed Standard)
 - “Admin Interface for the OSCORE Group Manager”

Other Documents

- Recently updated WG documents not in today's agenda
 - draft-ietf-core-oscore-groupcomm-23
 - draft-ietf-core-oscore-capable-proxies-03
 - draft-ietf-core-observe-multicast-notifications-10
 - draft-ietf-core-coap-pm-03
- Recently adopted WG documents
 - draft-ietf-core-corr-clar-00
 - draft-ietf-core-coap-dtls-alpn-00 *
- Recently updated individual documents
 - draft-bormann-core-responses-03
 - draft-tiloca-core-oscore-discovery-16
 - draft-amsuess-core-coap-over-gatt-07
 - draft-amsuess-core-coap-kitchensink-06
 - draft-gomez-core-coap-bp-02 *
- Recently newly submitted individual documents
 - draft-amsuess-core-stateless-oscore-01 *

* On today's agenda ¹⁶

Other Documents

- Recently updated WG documents
 - draft-ietf-ace-coap-est-oscore-06
 - draft-ietf-ace-edhoc-oscore-profile-06
 - draft-ietf-ace-group-oscore-profile-03
 - draft-ietf-schc-8824-update-03

Corrclar

- Capture knowledge about Clarifications and Corrections needed to standards in the CoAP ecosystem
- Adopted as WG document in October 2024
- Repository with about 30 “issues” (discussion topics)
- Plan: Process at a pace of completing ≥ 1 issue per interim meeting
- Notable recent discussion: PR #40: “Amplification and 0-RTT”
 - Triggered by comments on draft-ietf-core-dns-over-coap from Thomas Fossati
 - Main contributors: Christian Amsüss, Thomas Fossati, Achim Kraus
- → Contribute “issues”, review PRs, review the document

<https://datatracker.ietf.org/doc/draft-ietf-core-corr-clar/>

<https://github.com/core-wg/corrclar>

Next CoRE Interim Meetings

- W51 Wednesday 2024-12-18, 15:00-16:30 UTC / 16:00-17:30 CET
- W03 Wednesday 2025-01-15, 15:00-16:30 UTC / 16:00-17:30 CET
- W05 Wednesday 2025-01-29, 15:00-16:30 UTC / 16:00-17:30 CET
- W07 Wednesday 2025-02-12, 15:00-16:30 UTC / 16:00-17:30 CET
- W09 Wednesday 2025-02-26, 15:00-16:30 UTC / 16:00-17:30 CET

Agenda (120 min)

- 09:30–09:40 [Chairs] Intro, Agenda, Status
- • 09:40–09:50 [CB] CORECONF Cluster
- 09:50–10:00 [CB] Constrained Resource Identifiers (HREF)
- 10:00–10:10 [BS] Conditional Attributes
- 10:10–10:20 [ML] DNS over CoAP (DoC) “bundle”
- 10:20–10:30 [CA] CoAP Transport Indication
- 10:30–10:40 [JJ] Pub-Sub Architecture for CoAP
- 10:40–10:50 [ED] Group Communication for CoAP
- 10:50–11:00 [MT] Proxy Operations for CoAP Group Communication
- 11:00–11:15 [RH] Key Update for OSCORE (KUDOS)
- 11:15–11:25 [CG] CoAP over Bundle Protocol (BP)
- 11:25–11:30 [CA] Stateless OSCORE

Flextime

Thank you!
Comments/questions?

