

IETF 124, Friday, 14:30–16:30 EST = 19:30–21:30 UTC

# Constrained RESTful Environments WG (core)

## Chairs:

Marco Tiloca <[marco.tiloca@ri.se](mailto:marco.tiloca@ri.se)>

Jaime Jiménez <[jaime.jimenez@ericsson.com](mailto:jaime.jimenez@ericsson.com)>

Carsten Bormann <[cabo@tzi.org](mailto:cabo@tzi.org)>

Mailing list: [core@ietf.org](mailto: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

By participating in the IETF you agree to follow IETF processes and policies. This Note Well is a reminder of some of those policies. For a linked version of this text, please visit [www.ietf.org/note-well](http://www.ietf.org/note-well) or use the QR code below.

- IETF participants are expected to behave in a professional manner and extend respect and courtesy to their colleagues at all times (see *RFC 7154: IETF Guidelines for Conduct and IETF Anti-Harassment Policy*). If you have any concerns about behavior, please contact the *Ombudsteam* who have a duty of confidentiality and extensive powers to act, as set out in *RFC 7776: IETF Anti-Harassment Procedures*.
- If you are aware that any IETF contribution (as defined in *RFC 5378: Rights Contributors Provide to the IETF Trust*) is covered by patents or patent applications that are owned or controlled by you, your employer or your sponsor, you must disclose that fact, or not participate in the discussion (see *RFC 8179: Intellectual Property Rights in IETF Technology*).
- For detailed process information consult *RFC 2026: Internet Standards Process* and *RFC 2418: IETF Working Group Guidelines and Procedures* and updates to those.
- The IETF routinely makes public written, audio, video, and photographic records of IETF activities, including your personal information as set out in the *IETF Privacy Statement*.



For advice, please talk to Working Group chairs or Area Directors.

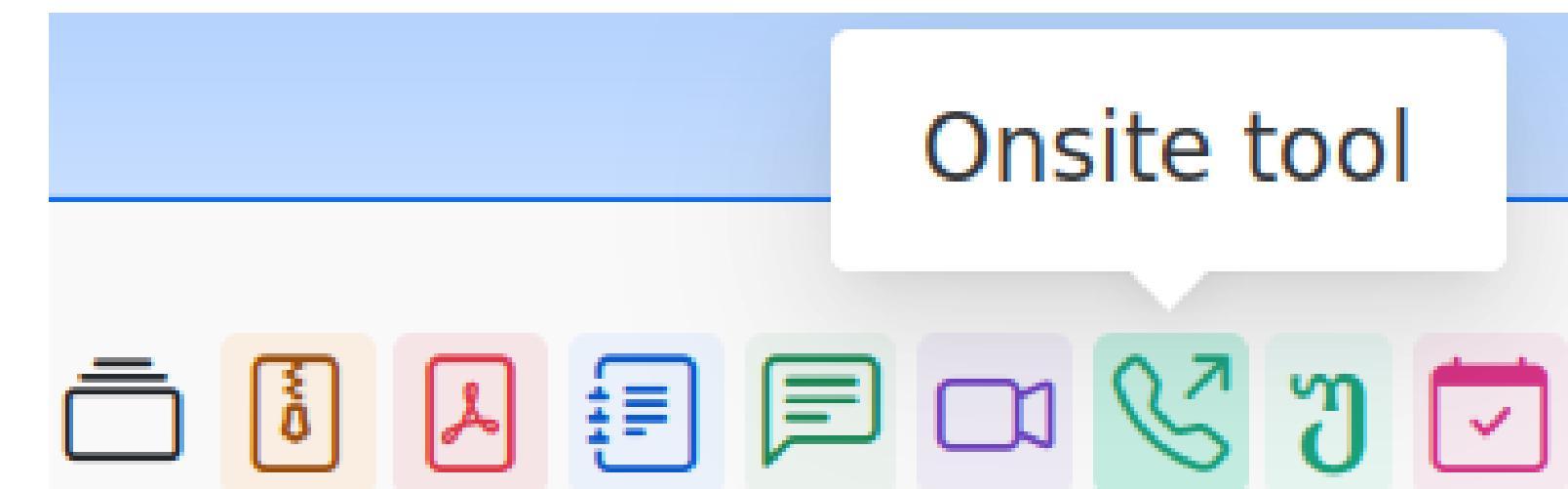


# Practicalities

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



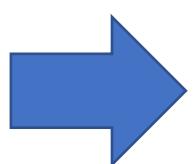
- Remote participants

- 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)



- 19:30–19:40 [Chairs] Intro, Agenda, Status
- 19:40–19:47 [CB] CORECONF: COMI; YANG SID PENs
- 19:47–20:00 [CB] Corrections and Clarifications for CoAP
- 20:00–20:10 [CA] URI-Path abbreviation in CoAP
- 20:10–20:20 [GF] CoAP Performance Measurement
- 20:20–20:30 [MT] Stand-in KID and encrypted Partial IV in OSCORE
- 20:30–20:45 [RH] OSCORE Key Update and ID Update
- 20:45–20:55 [MT] Observe Multicast Notifications
- 20:55–21:05 [CG] CoAP over Bundle Protocol
- 21:05–21:15 [CA] CoAP over GATT
- 21:15–21:25 [CB] Non-traditional responses
- 21:25–21:30 Flextime

# Document status

# Published

- RFC 9876 (Proposed Standard)
  - “Updates to the IANA Registration Procedures for Constrained Application Protocol (CoAP) Content-Formats”
  - Was draft-ietf-core-cf-reg-update



# Published

- RFC 9820 (Proposed Standard)
  - “Authentication Service Based on the Extensible Authentication Protocol (EAP) for Use with the Constrained Application Protocol (CoAP)”
  - Was draft-ietf-ace-wg-coap-eap

# Approved for publication

- **draft-ietf-core-dns-over-coap (Proposed Standard)**
  - “DNS over CoAP (DoC)”
  - RFC Ed Queue : EDIT
  - Shepherd: Marco Tiloca
- **draft-ietf-core-coap-dtls-alpn (Informational)**
  - “ALPN ID Specification for CoAP over DTLS”
  - RFC Ed Queue : EDIT
  - Shepherd: Marco Tiloca
- **draft-ietf-core-href (Proposed Standard)**
  - “Constrained Resource Identifiers”
  - RFC Ed Queue : AUTH
  - Shepherd: Thomas Fossati

# In IESG Evaluation

- **draft-ietf-core-groupcomm-bis (Proposed Standard)**
  - “Group Communication for the Constrained Application Protocol (CoAP)”
  - IESG Evaluation::Revised I-D Needed
  - Shepherd: Carsten Bormann
- **draft-ietf-core-oscore-groupcomm (Proposed Standard)**
  - “Group Object Security for Constrained RESTful Environments (Group OSCORE)”
  - Approved-announcement to be sent::Revised I-D Needed
  - Shepherd: Christian Amsüss

# In/post IETF Last Call

- **draft-ietf-ace-key-groupcomm-oscore (Proposed Standard)**
  - “Key Management for Group Object Security for Constrained RESTful Environments (Group OSCORE) Using Authentication and Authorization for Constrained Environments (ACE)”
  - Completed IETF Last Call; Waiting for AD Go-Ahead::Revised I-D Needed

# Publication Requested

- draft-ietf-core-yang-sid-pen (Informational) \*
- “YANG-CBOR: Allocating SID ranges for PEN holders”
- Shepherd: Marco Tiloca

# Publication Requested

- draft-ietf-ace-oscore-gm-admin (Proposed Standard)
  - “Admin Interface for the OSCORE Group Manager”
  - AD Evaluation::Revised I-D Needed

# Post-WGLC Processing

- **draft-ietf-core-conditional-attributes-11**
  - Completed WG Last Call; Waiting for WG Chair Go-Ahead
  - Need to address remaining Github issues
  - Need to defined handling of not supported query parameters (related to draft-ietf-core-corr-clar)
  - Shepherd: Jaime Jiménez
- **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

# Other Documents (1/2)

- Recently updated WG documents not in today's agenda
  - draft-ietf-core-groupcomm-proxy-05
  - draft-ietf-core-oscore-capable-proxies-05
- Recently adopted WG documents
  - draft-ietf-core-uri-path-abbrev-02 \*
    - "URI-Path abbreviation in CoAP"
  - draft-ietf-core-coap-bp-01 \*
    - "Constrained Application Protocol (CoAP) over Bundle Protocol (BP)"
  - draft-ietf-core-cacheable-oscore-00
    - "Cacheable OSCORE"

\* On today's agenda

# Other Documents (2/2)

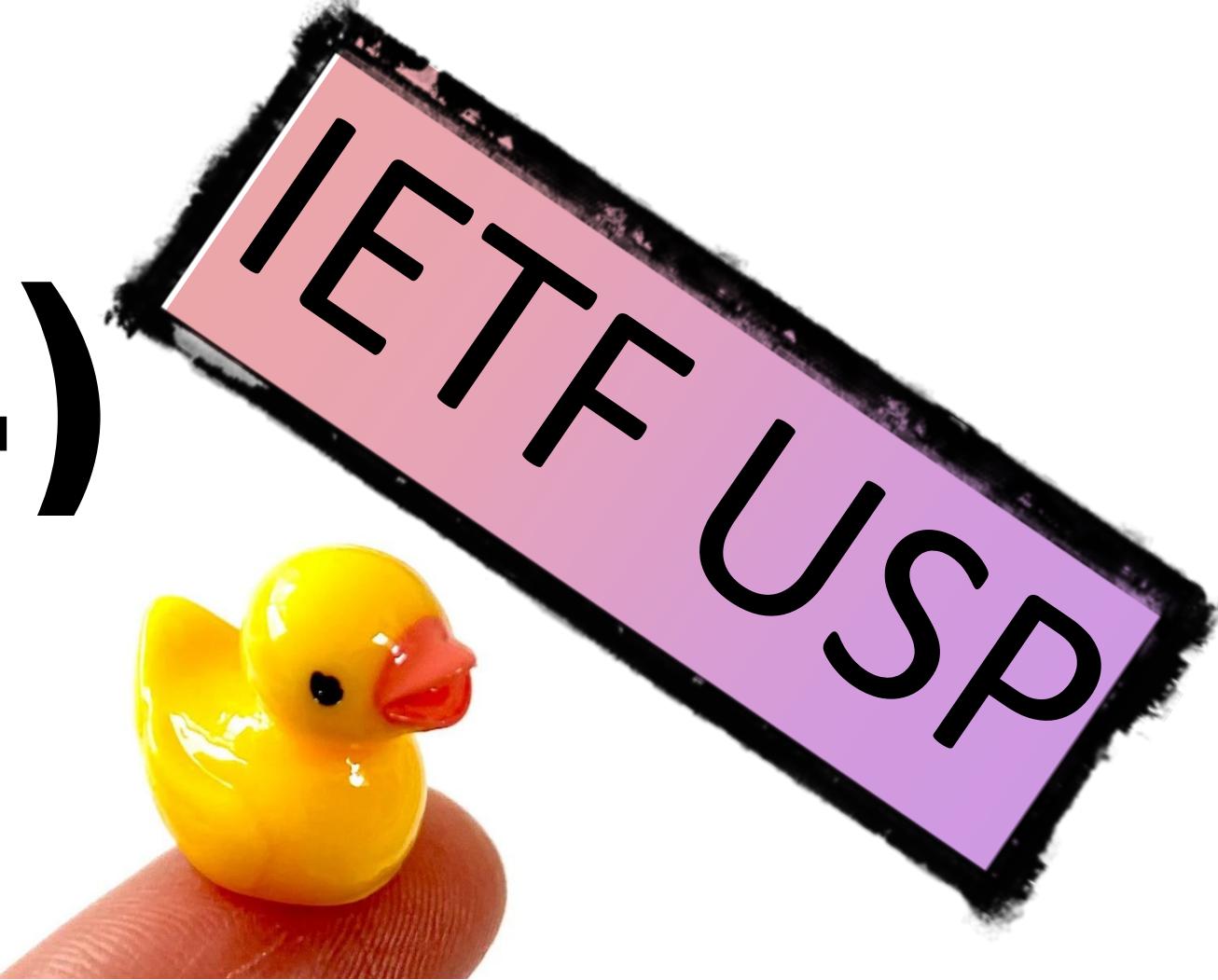
- Recently updated individual documents
  - draft-tiloca-core-oscore-discovery-18
  - draft-tiloca-core-oscore-piv-enc-01 \*

# Other Documents

- Recently updated WG documents
  - draft-ietf-ace-edhoc-oscore-profile-09
  - draft-ietf-ace-coap-est-oscore-09
  - draft-ietf-ace-coap-pubsub-profile-01
  - draft-ietf-schc-8824-update-06
  - draft-ietf-schc-universal-option-01
- Recently newly submitted individual
  - draft-gomez-tiptop-coap-00
    - “CoAP in Space”
    - This replaces draft-gomez-core-coap-space-03

# Reviews! (IETF 123–124)

- “Process” Reviews: Shepherd, AD, IESG, Directorate (Telechat)
  - draft-ietf-core-href, draft-ietf-core-dtls-alpn, draft-ietf-core-dns-over-coap, draft-ietf-core-groupcomm-bis, draft-ietf-core-oscore-groupcomm
- Spontaneous “WG Member” reviews
  - Mikolai Gütshaw:
    - draft-amsuess-core-shopinc-00 (→ draft-ietf-core-uri-path-abbrev)
  - Martine Lenders:
    - draft-amsuess-core-cachable-oscore-11 (→ draft-ietf-core-cacheable-oscore)
  - Esko Dijk:
    - draft-ietf-core-yag-sid-pen-02
  - Marco Tiloca:
    - draft-ietf-core-coap-bp-00
    - draft-ietf-core-yag-sid-pen-02
- Github feedback (specific issues, broader review)
- Your review here



# Next CoRE Interim Meetings

- W49 Wednesday 2025-12-03, 15:00-16:30 UTC / 16:00-17:30 CET
- W3 Wednesday 2026-01-14, 15:00-16:30 UTC / 16:00-17:30 CET
- W5 Wednesday 2026-01-28, 15:00-16:30 UTC / 16:00-17:30 CET
- W7 Wednesday 2026-02-11, 15:00-16:30 UTC / 16:00-17:30 CET
- W9 Wednesday 2026-02-25, 15:00-16:30 UTC / 16:00-17:30 CET

# Agenda (120 min)

- 19:30–19:40 [Chairs] Intro, Agenda, Status
- 19:40–19:47 [CB] CORECONF: COMI; YANG SID PENs
- 19:47–20:00 [CB] Corrections and Clarifications for CoAP
- 20:00–20:10 [CA] URI-Path abbreviation in CoAP
- 20:10–20:20 [GF] CoAP Performance Measurement
- 20:20–20:30 [MT] Stand-in KID and encrypted Partial IV in OSCORE
- 20:30–20:45 [RH] OSCORE Key Update and ID Update
- 20:45–20:55 [MT] Observe Multicast Notifications
- 20:55–21:05 [CG] CoAP over Bundle Protocol
- 21:05–21:15 [CA] CoAP over GATT
- 21:15–21:25 [CB] Non-traditional responses
- 21:25–21:30 Flextime

# Flextime

**Thank you!**  
**Comments/questions?**

