

# **Authentication and Authorization for Constrained Environments (ACE)**

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IETF 102, Montreal

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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)

# Agenda

**Administrative and WG Summary** (Chairs, 10 min)

**PoP Key Semantics for CWTs** (draft-ietf-ace-cwt-proof-of-possession) (Mike Jones, 15 min)

**EST over secure CoAP** (draft-ietf-ace-coap-est) (Peter van der Stok, 10 min)

**Core Framework and Profiles** (10 min)

- draft-ietf-ace-oauth-authz (Ludwig Seitz)
- draft-ietf-ace-dtls-authorize (Ludwig Seitz)
- draft-ietf-ace-oscore-profile (Ludwig Seitz)

**Group Communications**

- draft-palombini-ace-key-groupcomm (Francesca Palombini, 10min)
- draft-palombini-ace-coap-pubsub-profile (Francesca Palombini, 10min)
- draft-tiloca-ace-oscoap-joining (Marco Tiloca/remote, 10min)

**Resource Directory Authorization Issues** (Peter van der Stok/Carsten Bormann, 30min)

**EDHOC (as time permits)**

- draft-selander-ace-cose-ecdhe-09

**Closing and Summary** (Chairs)

# Status Update

- IETF 102 Hackathon Activity
- WGLC on draft-ietf-ace-cwt-proof-of-possession-02
- Early registration of CoAP Media types for draft-ietf-ace-coap-est
- InterOp event (May 30)
- Published RFC 8392 (CBOR Web Token)

## Milestones

Date	◆ Milestone
Nov 2018	Submit ACE profile for OSCORE to the IESG for publication as a Proposed Standard <a href="#">draft-ietf-ace-oscore-profile</a>
Nov 2018	Submit DTLS Profile for ACE to the IESG for publication as a proposed standard <a href="#">draft-ietf-ace-dtls-authorize</a>
Nov 2018	Submit "Authentication and Authorization Solution" specification to the IESG for publication as a Proposed Standard. <a href="#">draft-ietf-ace-oauth-authz</a>
Sep 2018	WGLC on OSCORE Profile for ACE <a href="#">draft-ietf-ace-oscore-profile</a>
Sep 2018	WGLC for DTLS Profile for ACE <a href="#">draft-ietf-ace-dtls-authorize</a>
Jul 2018	WGLC for OAuth Authentication and Authorization Solution draft <a href="#">draft-ietf-ace-oauth-authz</a>
Jul 2018	Submit CWT Proof of Possession to IESG for publication as proposed standard <a href="#">draft-ietf-ace-cwt-proof-of-possession</a>
Mar 2018	WGLC on CWT Proof of possession <a href="#">draft-ietf-ace-cwt-proof-of-possession</a>

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# Resource Directory Authorization Discussion

Resource directory authorization is a general problem from ACE

After the presentation we will ask “Is this a problem the WG should be examining”

# Resource Directory

## Authentication Summary

- What is the problem?
  - Protecting end-points? Vs. Something more general purpose (what is that?)?
  - No human in the loop
  - Integrity vs. privacy
- What is the solution?
  - A way? Vs. The way?
  - Consider group communication
  - Keep it simple



# Wrap Up

- draft-ietf-ace-cwt-proof-of-possession
  - Authors respond to outstanding issues posted by Document Shepherd on ML (07/12/2018)
- draft-ietf-ace-oauth-authz
  - Publish revised draft to address feedback; WGLC in September 2018
- Group Communication Individual Drafts
  - Deferring WG adoption discussion until framework documents progress
- Resource Directory Authorization Discussion
  - More discussion required on problem and solution