

Notification of Revoked Access Tokens in the Authentication and Authorization for Constrained Environments (ACE) Framework

draft-ietf-ace-revoked-token-notification

Admin Interface for the OSCORE Group Manager

draft-ietf-ace-oscore-gm-admin

ACE WG Interim Meeting, February 20th, 2023

TODO -revoked-token-notification

› Ongoing work on the ACE Github repo

– <https://github.com/ace-wg/ace-revoked-token-notification>

› Examples of message exchanges when using the “Cursor” extension (*)

DONE

– Now all the examples are collected in an Appendix

› New appendix overviewing the used parameters and constants (*)

DONE

– Also made homogeneous renaming: N_MAX → MAX_N

› Possible use of “c.pmax” as query parameter

DONE

– “c.pmax” is not a fundamental building block required by the proposed mechanism

– Revised text: “c.pmax” is a possible way to influence the sending of Observe notifications

– Avoid normative statements → *draft-ietf-core-conditional-attributes* as informative reference

TODO -revoked-token-notification

› Various clarifications and fixes

DONE

- Clarified interactions between C/RS and the AS
- Removed moot processing cases when using the “Cursor” extension
- Fixed details in the IANA considerations
- Editorial nits

› Additional security considerations for the following cases: (*)

ONGOING

- C learns of a revoked Access Token before the RS does
- C believes the Access Token to be valid, but it gets 4.01 responses from the RS
- The RS receives a revoked and expired Access Token including the EXI claim

› Goal for IETF 116

- Address all the remaining points and submit v -04 before the cut-off
- If no further issues or open points, v -04 should be ready for WG Last Call

TODO -oscore-gm-admin

- › Ongoing work on the ACE Github repo

 - <https://github.com/ace-wg/ace-oscore-gm-admin>

- › Explanations on multiple Administrators for the same OSCORE group (*)

DONE

 - New dedicated section

- › Fixes and clarifications where CoRAL is used (*)

DONE

 - Message format and interaction semantics

- › Extend the security considerations (*)

ONGOING

 - Related to the update of a group configurations

 - Related to the Group Manager

 - Related to the Administrators

TODO -oscore-gm-admin

- › Use CBOR diagnostic notation and Packed CBOR in the CoRAL examples (*) **ONGOING**

- › **Defined new error condition and related error code** **ONGOING**
 - Unsupported group configuration (upon its creation or update)

- › **Clarifications** **ONGOING**
 - Possible deviation from the recommended default parameter values
 - Some operations on the group-collection and group-configuration resources to be atomic

TODO -oscore-gm-admin

› Document split – Checked on the mailing list, no objection [1]

WILL HAPPEN

- Avoid delays due to the progress of *draft-ietf-core-coral*
- Doc 1: current document minus the CoRAL-related content (use, special features, examples , ...)
- Doc 2: new WG document, with revised CoRAL-related content taken out of this ACE document

› Proposed timeline – After IETF 116:

- Create Doc2 – The split is not editorially straightforward; the CoRAL content is well blended
- Submit Doc2 as a WG document, to stay mostly dormant until CoRAL is close to completion
 - › No intention at all to Obsolete Doc1; it is not really an Update to Doc1 either
 - › Proposed name for Doc2: simply *draft-ietf-ace-oscore-gm-admin-coral* ?
- Submit the resulting and polished Doc1, which should be ready for WG Last Call
 - › It is better and cleaner to have the WG Last Call on Doc1 after the split

› Goal for IETF 116

- Close as many points as possible and submit v -08 before the cut-off (no document split yet)

Thank you!

Comments/questions?

<https://github.com/ace-wg/ace-revoked-token-notification>

<https://github.com/ace-wg/ace-oscore-gm-admin>