

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

*draft-ietf-ace-revoked-token-notification-04*

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# Since IETF 115

- › **Ongoing work presented during two ACE interim meetings**
  - On 2022-12-19 and 2023-02-20
- › **Version -04 submitted before the cut-off**
  - All remaining open points have been addressed
  - No changes in the protocol mechanics and rationale
- › **Started and completed WG Last Call on version -04**
  - Received reviews from Marco Rasori and Rikard Höglund – Thanks a lot!
  - <https://mailarchive.ietf.org/arch/msg/ace/nxpyDRldkxgNSqXY-QGZp-3kbkl/>
  - <https://mailarchive.ietf.org/arch/msg/ace/al6Ta1iRRMHOUAsly7GAUwW4MwM/>

# Update summary

## › Clarified details on handling token hashes (Section 10.1)

- C/RS: Expunge a stored access token when receiving its token hash
- RS: Don't accept an access token if currently storing its token hash
- RS: Clear rules on when it is safe to delete a stored token hash
  - › Handling also late-uploaded access tokens with the EXI claim

## › Extended and improved security considerations

- Content Retrieval from the TRL Resource
- Size of the TRL resource
- Communication patterns
- Request of new access tokens after 4.01 (NEW)
- Dishonest clients (NEW)

## › New Appendix B overviewing parameters of the TRL endpoint at the AS

# Update summary

- › **Examples of message exchange are now all collected in Appendix C**
  - Added new examples with the "Cursor" extension (Appendices C.4 and C.5)
- › **Influencing the AS on sending observe notifications**
  - The use of the "c.pmax" conditional attribute is just an example
  - *draft-ietf-core-conditional-attributes* is now an informative reference
- › **Clarifications and editorial improvements**
  - Improved presentation of pre- and post-registration operations
  - Removed moot processing cases with the "Cursor" extension
  - Access Tokens are not necessarily uploaded through /authz-info
  - Renamed the parameter N\_MAX as MAX\_N
  - Positive integers as CBOR abbreviations of message parameters
  - Fixed details in IANA considerations

# Summary of WGLC reviews

## › From Marco Rasori

- Mention the features of the diff query upfront
- Merge the handling of two similar error conditions
- Improve security considerations on Clients requesting a new access token
- Clarify that a TRL update can involve more access tokens at once
- Editorial improvements and fixes

## › From Rikard Höglund

- Mention CoAP earlier
- “TRL resource” → “TRL endpoint” ; “Portion of the TRL” → “Subset of the TRL”
- “Caller of the TRL endpoint” → “Requester towards the TRL endpoint”
- Rewrite the computing of the Token Hash using one less symbolic definition
- Clarifications, editorial improvements and fixes

**The reviews have requested clarifications and minor fixes – No controversial issues to discuss**

# Next steps

- › **Submit version -05 addressing the WG Last Call comments**

Thank you!

Comments/questions?

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