Admin Interface for the OSCORE Group Manager

draft-ietf-ace-oscore-gm-admin-09

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Status update

Completed document split

Submitted *draft-ietf-ace-oscore-gm-admin-09*

- Removed all the content related to CoRAL (*draft-ietf-core-coral*)
- Default use of the pairwise mode of Group OSCORE: changed to be “true”
- Clarified side effects of a group configuration change
  - What group members (do not) do when gaining knowledge of certain changes
  - Possible eviction of some group members, if the max size of OSCORE Sender ID has changed
- Renaming: “Signature Encryption Algorithm” → “Group Encryption Algorithm”
- Renaming: “sign_enc_alg” → “gp_enc_alg”
- Editorial improvements and fixes

Submitted new *draft-ietf-ace-oscore-gm-admin-coral-00*

- It builds on *draft-ietf-ace-oscore-gm-admin*, and uses CoRAL
Next steps

› draft-ietf-ace-oscore-gm-admin-09
  – This document should be ready for Working Group Last Call

› draft-ietf-ace-oscore-gm-admin-coral-00
  – This document will proceed as draft-ietf-core-coral proceeds

› Side note: need fix for the Github repo of draft-ietf-ace-oscore-gm-admin
  – https://github.com/ace-wg/ace-oscore-gm-admin
  – The Editor’s Copy builds but it is not deployed as an HTML page
  – Can anyone with admin privileges fix the related Github Action?
Thank you!

Comments/questions?

https://github.com/ace-wg/ace-oscore-gm-admin
Backup
Recap

› RESTful admin interface at the OSCORE Group Manager
  – Create, (re-)configure and delete OSCORE groups

› Two new types of resources at the Group Manager
  – A single group-collection resource, at /manage
  – One group-configuration resource per group, at /manage/GROUPNAME

› Using ACE for authentication and authorization
  – The Administrator is the Client
  – The Group Manager is the Resource Server
  – For secure communication, use transport profiles of ACE
Overview

**Group-collection resource**
- Retrieve the list of OSCORE groups
  - All groups (GET)
  - Group selected by filters (FETCH)
- Create a new OSCORE group (POST)
  - A group-configuration resource is created
  - A group-membership for joining nodes is also created, see draft-ietf-ace-key-groupcomm-oscore

**Group-configuration resource**
- Retrieve the group configuration (GET)
- Retrieve part of the group configuration (FETCH)
- Overwrite the group configuration (PUT)
- Update the group configuration (PATCH/iPATCH)
- Delete the group (DELETE)

**Configuration Properties**
- Security algorithms and parameters

**Status Properties**
- Any other information (e.g., group name)

Figure 1: Resources of a Group Manager