

# 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
  - <https://github.com/ace-wg/ace-oscore-gm-admin-coral>
  
- › **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

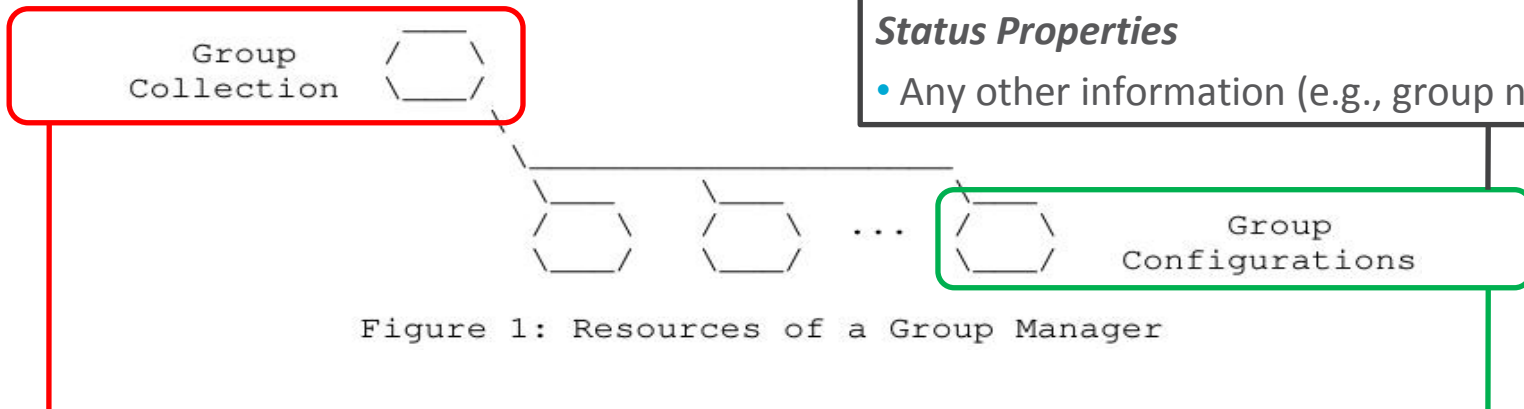


Figure 1: Resources of a Group Manager

## **Configuration Properties**

- Security algorithms and parameters

## **Status Properties**

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

## **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)