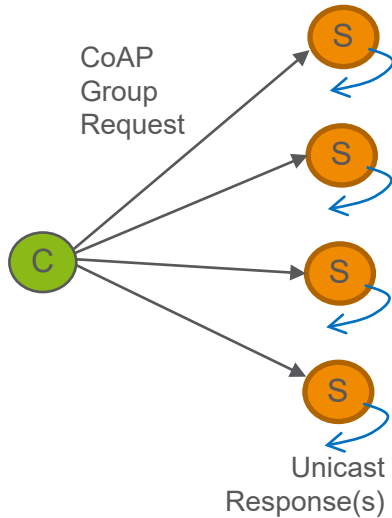


Group Communication for the Constrained Application Protocol (CoAP)



[draft-ietf-core-groupcomm-bis-10](#)

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Esko Dijk – [IoTconsultancy.nl](#)
(presenting)

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Recap & Goal – Groupcomm-bis

- › **Normative successor of experimental RFC 7390**
 - Obsoletes RFC 7390, Updates RFC 7252 / RFC 7641
- › New standard reference for implementations now based on RFC 7390
- › **Scope**
 - CoAP IP multicast group communication, including latest features: Observe/Blockwise/Security ...
 - Unsecured & group-OSCORE-secured
 - Definition of group types & Secure group configuration

Main Updates Since -05 (@IETF-112)

› **New ...**

- proxy subsection 3.5.3 Single Group Request to Multiple Proxies
- section 3.9.2 on UDP/IPv6 Multicast Transport over 6LoWPAN

› **Clarified ...**

- exceptional cases where CoAP NoSec can be used
- Terminology (e.g. “Group URI”)

› **More details ...**

- in security sections
- how RFC 7252 is being updated
- in Group Discovery section
- for the 3 different group types; and how they’re named.

Recent Update -10 (Oct '23)

› Recent CoRE interim discussion about 4 of John's review comments Items are now (hopefully) resolved.

- 1. Using experimental/obsolete protocol from RFC 7390
⇒ **reworded; experiment concluded**
- 2. Is there concrete use anywhere of unsecured discovery?
⇒ **added** the “device onboarding discovery” use case
- 3. “Sensitive and mission-critical” applications ⇒ **reworded**
- 4. CoAP Group – are address/port optional or mandatory?
⇒ **clarified** it's mandatory for a CoAP group, but *optional* in the Group URI.

Next Steps

- › **Last update -10 based on review by John**
 - waiting for John & WG to confirm that comments were addressed!

- › **WGLC was done in April 2022 on -06**
 - review comments by Carsten were addressed in -07
 - waiting for confirmation that comments were addressed!

Open Issues / PRs – Github

- › <https://github.com/core-wg/groupcomm-bis>
- › **0 issues open**
- › **1 PR open – editorial**
 - most items already included in version -10
 - needs one final pass for the remaining items (minor / editorial)

Thank you!

Comments/questions?

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