

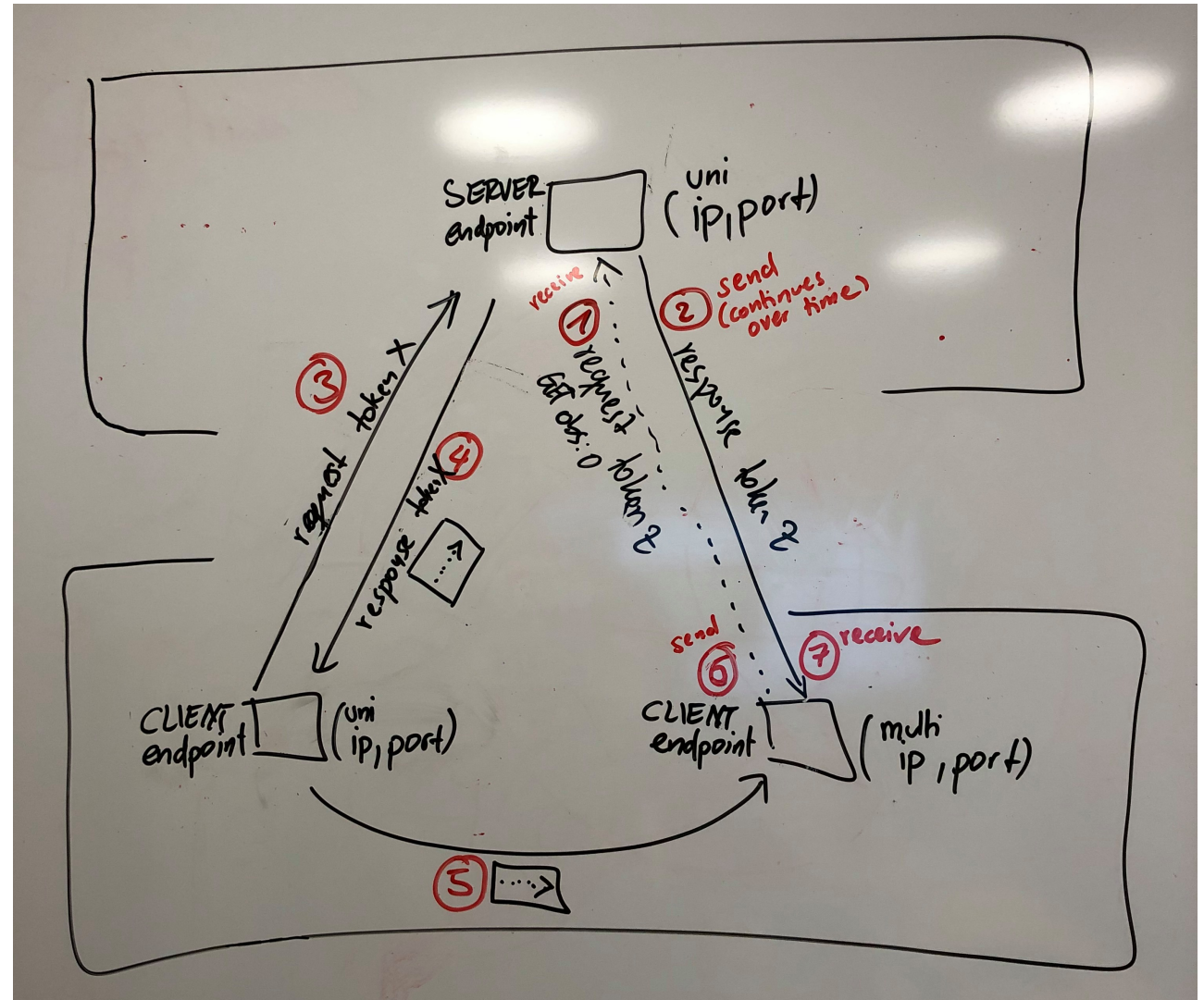
Workshop

Francesca, Klaus, Rikard, Marco, Christian

minutes: <https://etherpad.ietf.org/p/notes-ietf-workshop-161019>

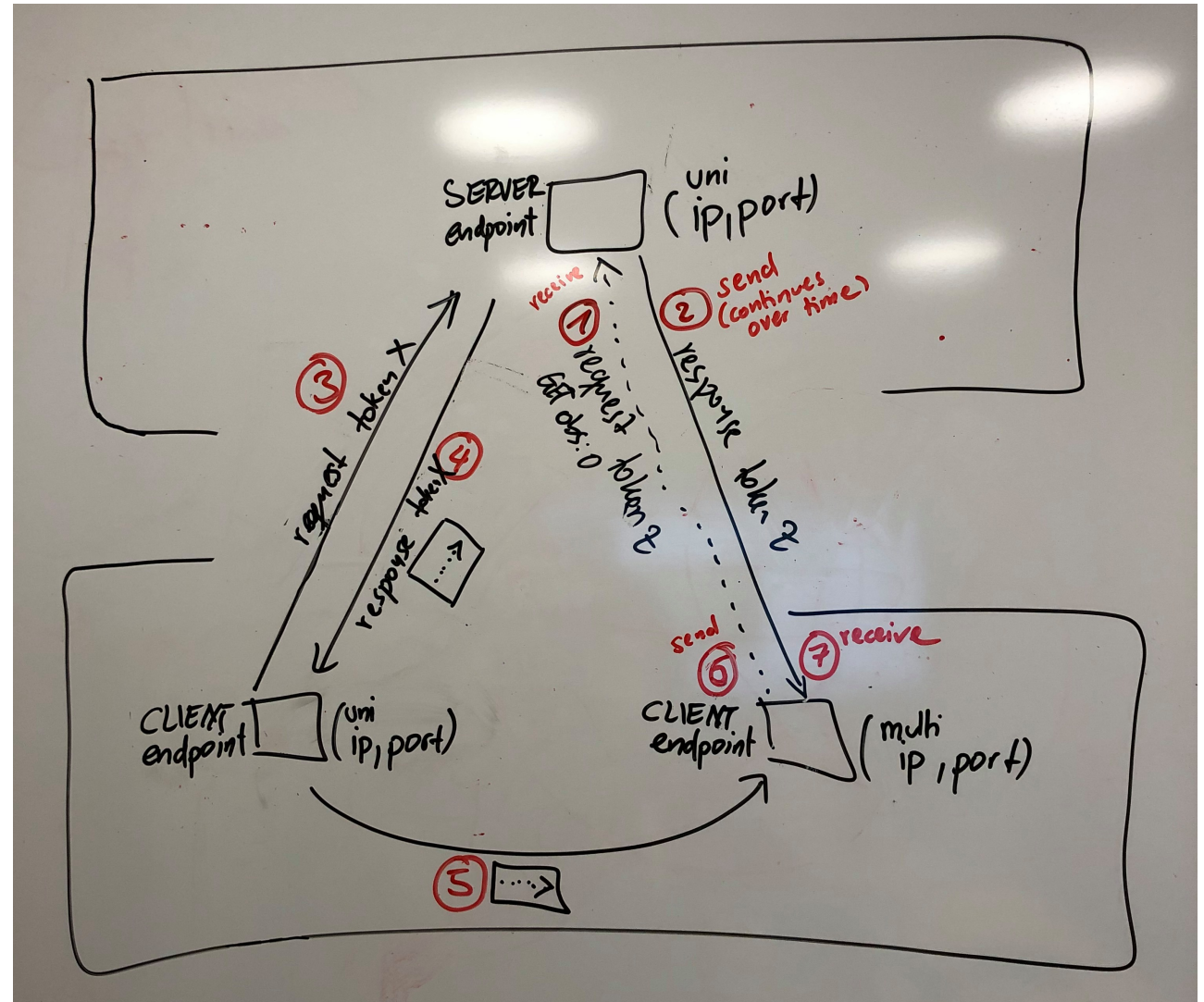
Multicast for notifications

- Client sends a request to the server to indicate it intends to observe a certain resource (3)
- The server responds (4) with all the information to remember an observation request it never sent to match notifications to:
 - Request (1) (including Token)
 - Multicast IP address
 - Group OSCORE external AAD
- The server uses these to send multicast notifications (7)

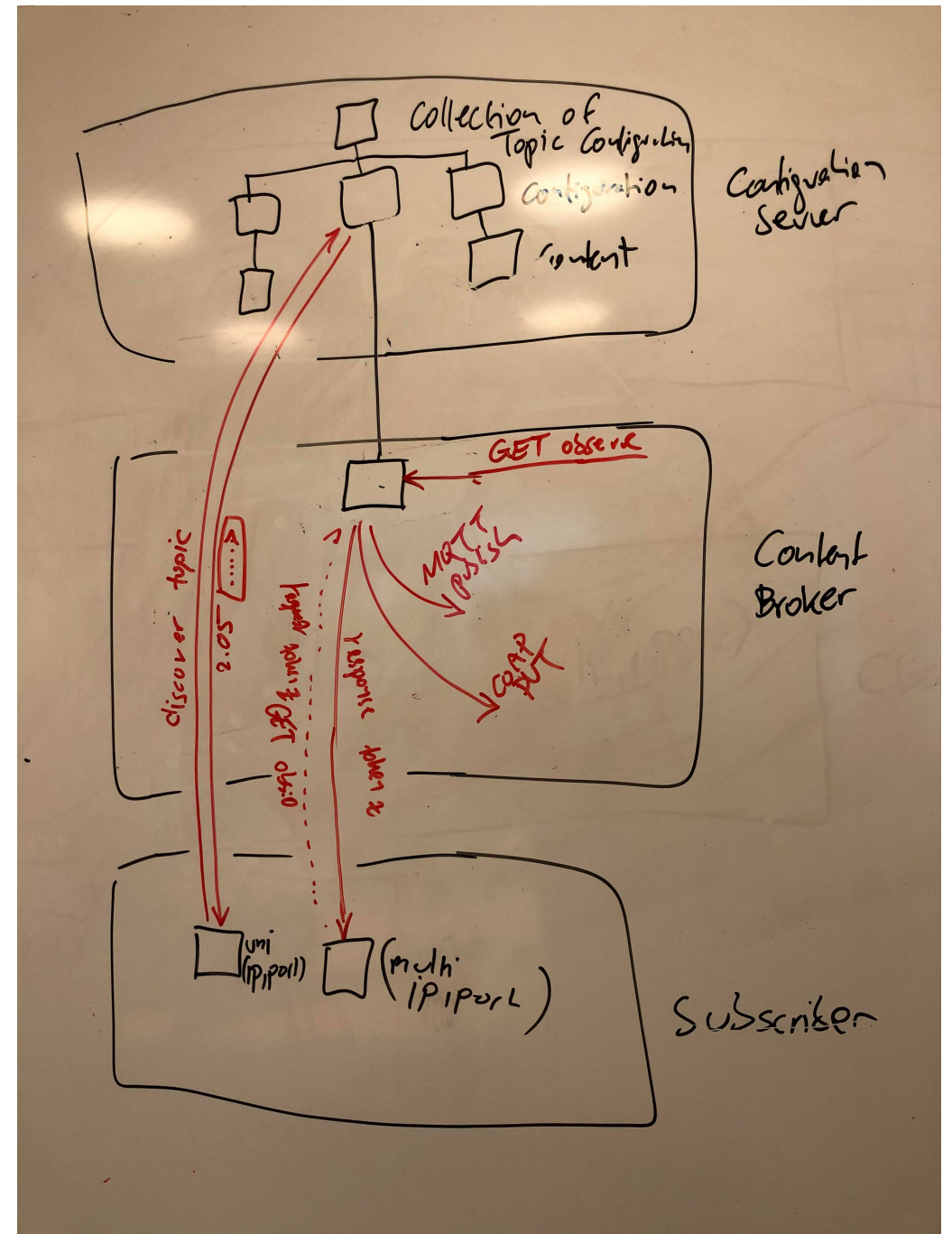
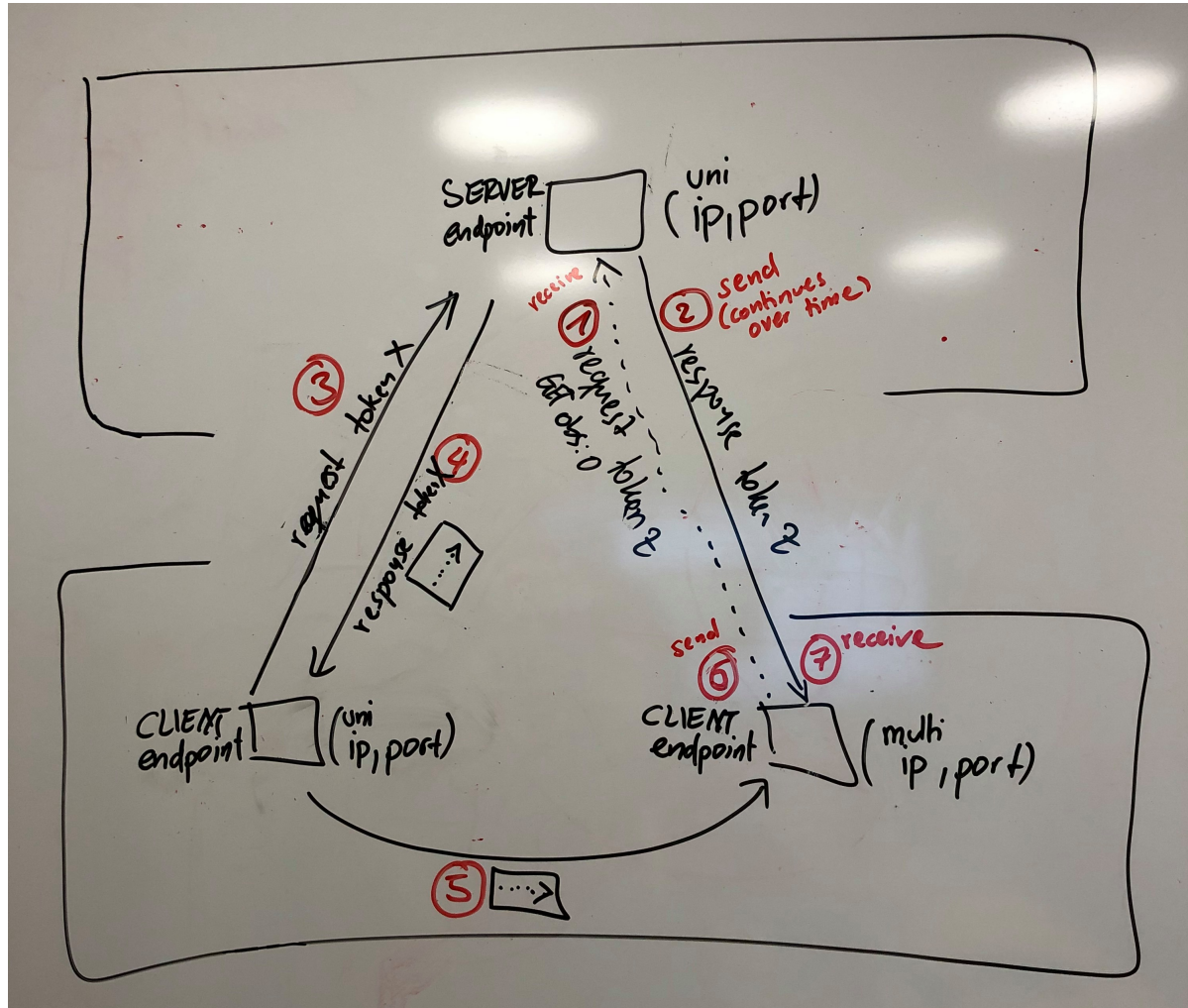


Details to define

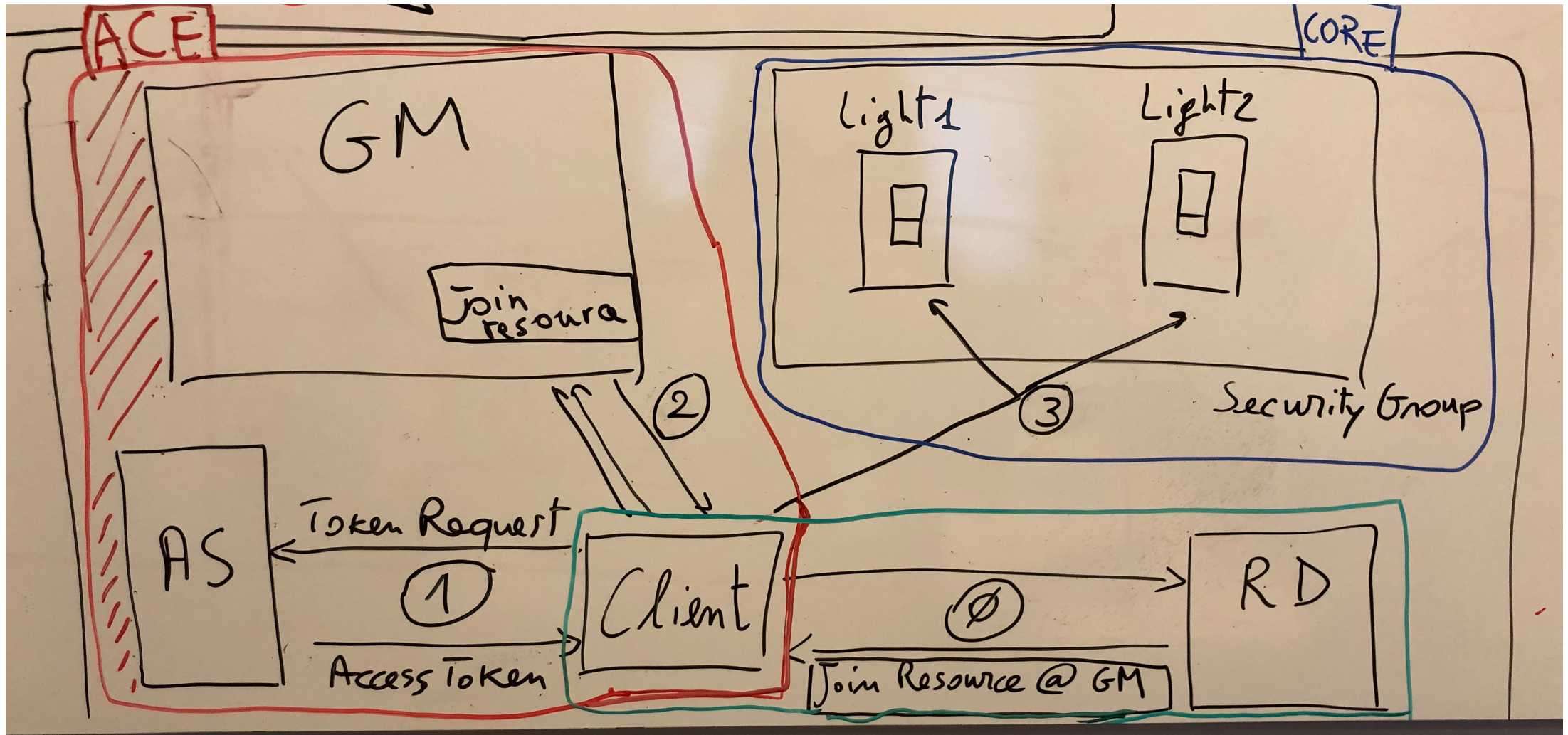
- What request (3) ? Observe to the resource to observe, GET separate resource (well-known)
- Format of information received in (4) (and what information exactly)?
- Is server configured before or can decide to start sending notifications on multicast?
- Pre-configuration of OSCORE groups



Pub/sub with multicast notifications



Group OSCORE resource discovery



Example

Request: Joining node -> RD

Req: GET coap://rd.example.com/rd-lookup/res
?rt=core.osc.mbr&app-gp=group1

Response: RD -> Joining node

Res: 2.05 Content

Payload:

```
<coap://[2001:db8::ab]/group-oscore/feedca570000>;rt="core.osc.mbr";  
sec-gp="feedca570000";app-gp="group1";  
cs_alg="-8";cs_crv="6";cs_kty="1";  
cs_kenc="1";anchor="coap://[2001:db8::ab]"
```

Request: Joining node -> RD

Req: GET coap://rd.example.com/rd-lookup/ep
?et=core.rd-group&ep=group1

Response: RD -> Joining node

Res: 2.05 Content

Payload:

</rd/501>;ep="group1";et="core.rd-group";
base="coap://[ff35:30:2001:db8::23]"

Open points

- Parameters as link target attributes
 - Mandatory: sec-gp and app-gp
 - Optional: cs_alg , cs_crv , cs_kty , cs_enc , alg , hkdf
 - Ideally, we should register them and where they take value from
- There is no register for link target attributes. Should we have a new registry?
- Migrate to ACE? Jim: “Mostly focused on advertising ACE features”
- How would this work in a CoRAL-based RD?