

Overview of related work in CoRE, ACE, LAKE

1. OSCORE – End-to-end secure CoAP communication, using COSE
2. LAKE – Key establishment for OSCORE with PFS; PSK- and asymmetric key-authentication
3. Group communication for CoAP – CoAP over IP multicast; proxy operations (update of RFC 7390)
4. Observe notifications as CoAP responses over IP multicast; securing multicast notifications with Group OSCORE
5. Group OSCORE – OSCORE in group communication settings
6. Key management for groups – joining/leaving and key provisioning, using (9b)
7. Creation and configuration of OSCORE groups with a Group Manager (GM), using (9b)
8. Discovery of OSCORE groups as links for joining, using the CoRE Resource Directory
9. Related access control, using the ACE Framework
 - a) One-to-one resource access, e.g. DTLS profile, OSCORE profile
 - b) One-to-one for joining a group, i.e. between joining node and GM, using profiles
 - c) One-to-many resource access among group members, i.e. Group OSCORE profile

References

1. <https://tools.ietf.org/html/rfc8613>
2. <https://datatracker.ietf.org/wg/lake/about/>
3. <https://datatracker.ietf.org/doc/draft-dijk-core-groupcomm-bis/>
 - More on proxy operations at: <https://datatracker.ietf.org/doc/draft-tiloca-core-groupcomm-proxy/>
4. <https://datatracker.ietf.org/doc/draft-tiloca-core-observe-multicast-notifications/>
5. <https://datatracker.ietf.org/doc/draft-ietf-core-oscore-groupcomm/>
6. <https://datatracker.ietf.org/doc/draft-ietf-ace-key-groupcomm-oscore/>
7. <https://datatracker.ietf.org/doc/draft-tiloca-ace-oscore-gm-admin/>
8. <https://datatracker.ietf.org/doc/draft-tiloca-core-oscore-discovery/>
9. Related access control, using the ACE Framework
 - a) <https://datatracker.ietf.org/doc/draft-ietf-ace-dtls-authorize/>
<https://datatracker.ietf.org/doc/draft-ietf-ace-oscore-profile/>
 - b) <https://datatracker.ietf.org/doc/draft-ietf-ace-key-groupcomm-oscore/>
 - c) <https://datatracker.ietf.org/doc/draft-tiloca-ace-group-oscore-profile/>