Constrained join proxy

draft-vanderstok-anima-constrained-join-proxy-01

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IETF 104 - ANIMA Working Group
Constrained join proxy

BRSKI uses HTTP and TLS

This draft proposes
• Replacement of circuit proxy, using
• CoAP and DTLS to support connection between pledge and Domain Registrar

Based on kumar-dice-dtls-relay

EST: Enrollment over Secure Transport (RFC7030)
BRSKI: Bootstrapping of Remote Secure Key Infrastructures
Graphic explanation

BRSKI-19

pledge

Link-local

Circuit proxy

Global/ANI

Domain Registrar

HTTP TLS

Constrained devices

pledge

Link-local

Join proxy

Global/ANI

Domain Registrar

COAP DTLS
State-full <-> State-less

Latest draft version adds state-full mode

State-full:
Join-proxy stores link-local address and port of pledge
(a form of NAT66)

State-less:
Link-local address and port of pledge stored in network
Current discussion

What is the format of the state-less packet between join-proxy and Domain Registrar

- Pledge L-L address
- JP L-L address
- DTLS payload

- J-P global address
- DR global address
- Pledge L-L address
- DTLS payload

pledge  Link-local  Join proxy  Global/ANI  Domain Registrar
# Draft relations

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ANIMA, IETF104, Prague
TODO

- Update example payloads
- Improve/extend discovery text
- Hope for comments

Question

Interesting to ANIMA?