

Constrained BRSKI (cBRSKI)

draft-ietf-anima-constrained-voucher-31



Image: artificial constrained brewski

IETF 126, Vienna, July 2026

Esko Dijk – [IoTconsultancy.nl](https://www.ioTconsultancy.nl)
(presenting)

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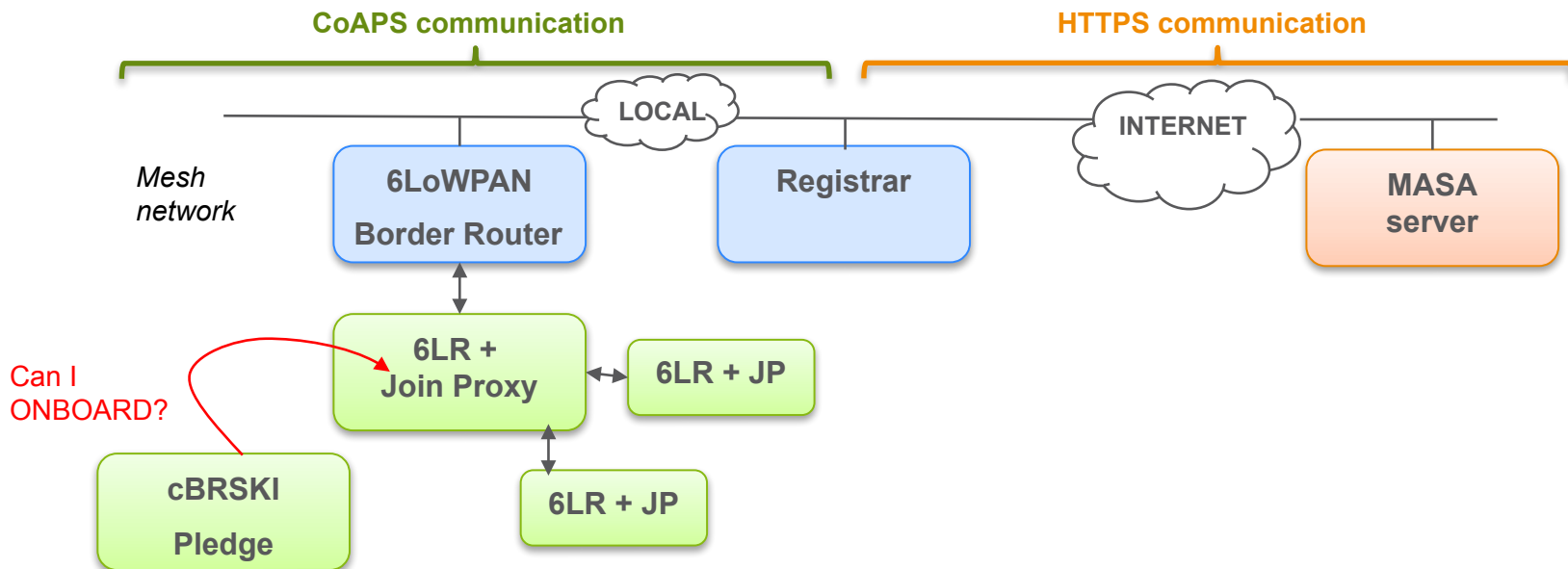
P. van der Stok

P. Kampanakis

[GitHub](https://github.com)

Recap & Goal – Constrained BRSKI

- › BRSKI secure onboarding, for constrained (IoT) devices & networks



Updates & News Since IETF-125

New functionality

- › Adopted new Join Proxy discovery method from constrained-join-proxy draft:

```
REQ: GET coap://[ff02::fd]/.well-known/core?brski-jp=*
```

```
RES: 2.05 Content
```

```
Content-Format: 40 (application/link-format)
```

```
Payload:
```

```
<>;brski-jp=8485
```

Updates Since IETF 125, in -31

Added DTLS 1.2 and 1.3 default cipher suite details

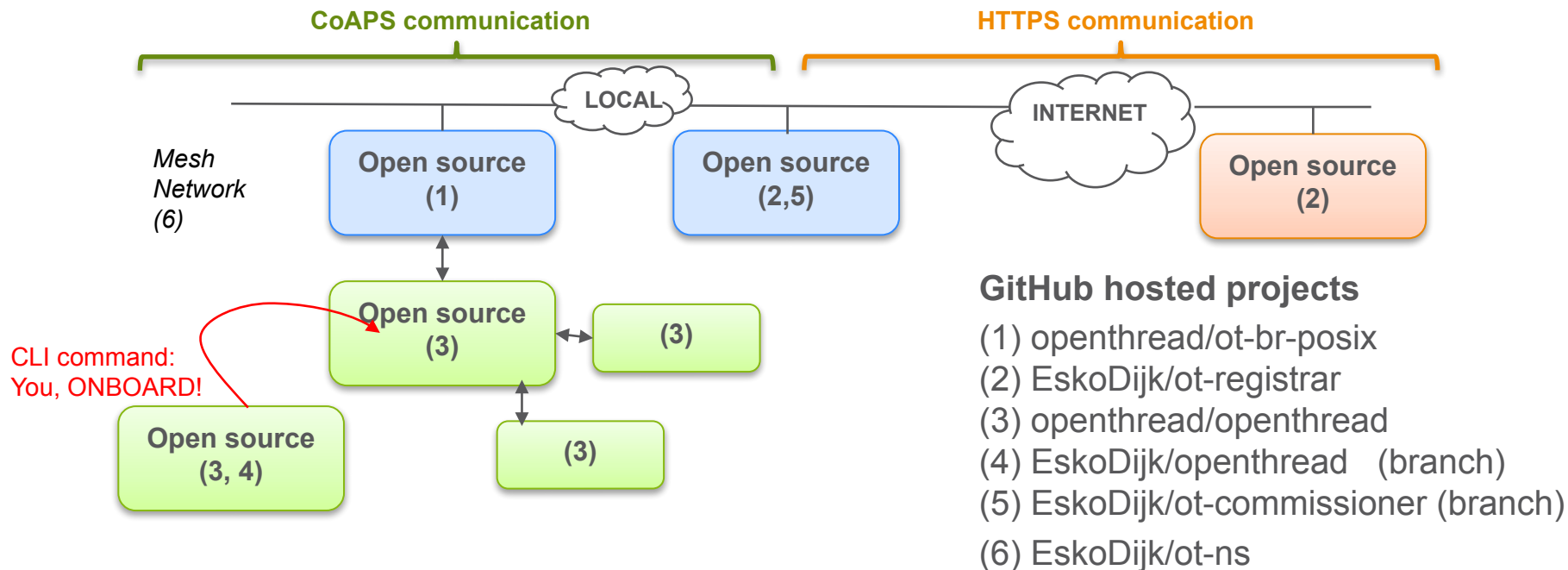
- › Needed for improved base interoperability – deviations (“profiles”) can still be done

Editorial & fixes

- › Relocated some ‘general’ BRSKI and RFC 8995 update items out of a cBRSKI-specific section.

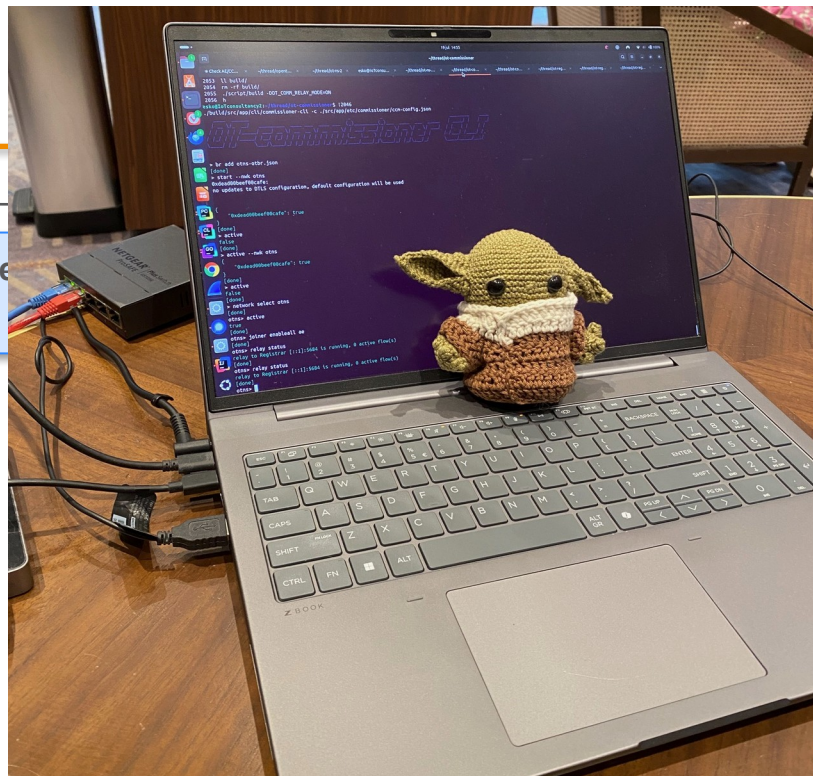
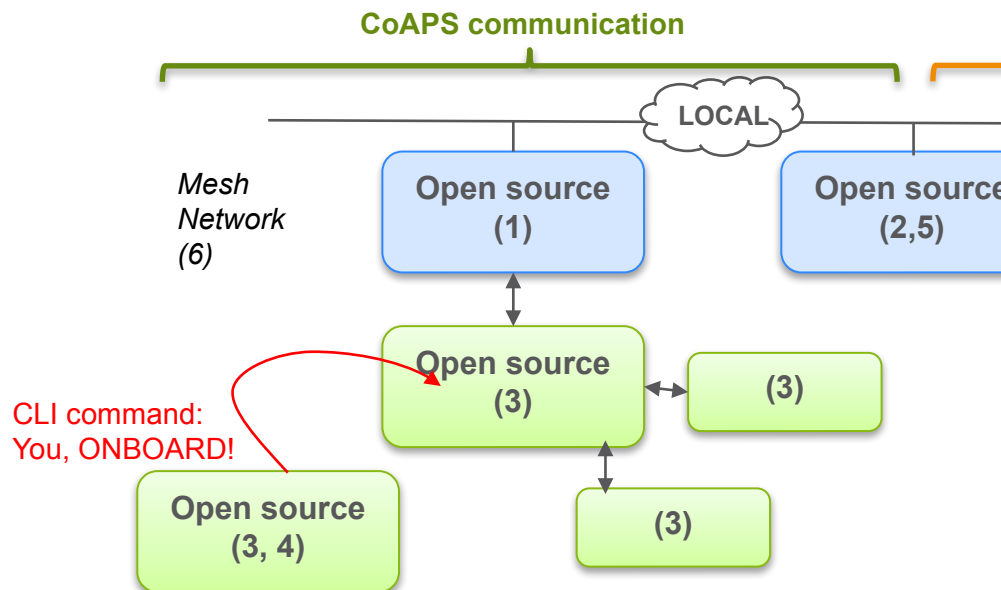
IETF 126 Hackathon Work

› cBRSKI secure onboarding for Thread wireless mesh networks



IETF 126 Hackathon Work

› cBRSKI secure onboarding for Thread wireless mesh networks



Updates Since IETF 125

Great & detailed shepherd review

- › Thanks, Toerless!
- › Now working on updates + providing a response

Main changes expected due to the review

- › Leave the management of IoT devices – post-onboarding – out of scope
 - Current management functions (CA/cert updates) are under-specified
 - Would fit better perhaps in another document (ACE, LAMPS, or ANIMA WG)

Remaining Open Issues

- › **Apart from the shepherd review items, no open issues and no new updates planned**
 - Some open Github issues relate to things to check by the authors,
 - and doing interop work.

Next steps

- › Process shepherd review
- › Proceed with the IETF 126 PoC implementation work for Thread wireless mesh networks
 - **Goal:** onboard an IoT mesh network of 200 devices and measure how long it takes :-)

Join Proxy for Bootstrapping of Constrained Network Elements

draft-ietf-anima-constrained-join-proxy-20

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[GitHub](#)



› Join Proxy (JP) residing on constrained nodes for cBRSKI



Updates Since IETF 125

- › Title change: **bootstrapping** → **onboarding**
- › Stricter guidance on mode selection (stateless / stateful)
- › Defined URI syntax for the new “jpy” scheme
- › Change of Join Proxy discovery method – simpler & shorter messages

REQ: GET coap://[ff02::fd]/.well-known/core?brski-jp=*

RES: 2.05 Content

Content-Format: 40 (application/link-format)

Payload:

<>;brski-jp=8485

Next steps

- › Wait for dependency draft-8366bis to complete