ANIMA
Constrained Voucher
and BRSKI extensions to COAP-EST
draft-ietf-anima-constrained-voucher
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https://www.sandelman.ca/SSW/ietf/anima/constrained/ietf104-update.pdf

Constrained Vouchers: status

- Adopted by WG in spring 2018

  - The bulk of artifact document finished in 2018

  - Neglected in favour of BRSKI-19 during late 2018, early 2019.

- Agreed that document would include COAP version of BRSKI APIs

  - The work to document this is not yet well written, although there are multiple implementations, interoperation not yet affirmed

- Signed with CMS (just like ietf-anima-voucher) is well understood.

- Signed with COSE (new) is not as well understood by implementers.

- Better examples need to be added

Work to be done

1) BRSKI API end points to be detailed
2) Example artifacts (with private keys) to be added for both CMS and COSE examples.
3) The draft-ietf-core-sid values have been statically written into the draft rather than being generated by pyang
4) Some focused work is needed to get sid.py extensions upstreamed properly into pyang so that this effort is automated.
   1) Static writing into document avoid having this as a dependancy to getting the document done.
   2) The draft-ietf-core-sid and draft-ietf-core-yang-cbor (expired last week) have not progressed recently.

Early Allocation issues

- This document uses 1001100 – 100149 for voucher.

- This document uses 1001150 – 100199 for voucher-request.

- This should come from the SID IANA table, but there isn't one yet.

    - These values come from comi.space allocator, which allocates from a MegaRange that should be allocated from IANA.

- Implementers started using the above back in November 2018. What do we do fwrom a process point of view?

    - Can we reserve them in draft-ietf-core-sid?