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Things still to do

• Security Considerations
  - https://github.com/anima-wg/brski-cloud/pull/7
  - Issues with Security of HTTP Redirect
  - Security Updates for the Pledge
  - Trust Anchors for Cloud Registrar
  - Issues with Redirect via Voucher

• Applicability Statement needed to match RFC8995

• How and when to allow multiple 307 redirects
  - https://github.com/anima-wg/brski-cloud/pull/8/files
Multiple Redirects?

- Provisional TLS connection can be hijacked
  - But will eventually be validated by voucher
- Cloud Registrar connection is RFC6125 validated
  - Can accept 307 redirect
- If new destination can be validated with RFC6125
  - Then can also accept 307 redirect

Diagram:

1. Mutual-authenticated TLS
2. Voucher Request
3. 307 Location: owner-ra.var.example
4. Provisional TLS

Diagram:

1. Mutual-authenticated TLS to var.example
2. Voucher Request
3. 307 Location: registrar.owner-ra.example
4. Provisional TLS

- Can accept redirect
- Can accept redirect
- No redirect accepted
WG-wide issue on RFC8366 derivatives

- Ietf-FOOBAR-voucher sorts and associates poorly with other ietf-voucher things
- Suggest that we always call them ietf-voucher-FOOBAR
- YANG module renamed from “ietf-redirected-voucher” to “ietf-voucher-redirected”
- So also:
  - ietf-constrained-voucher -> ietf-voucher-constrained
  - ietf-constrained-voucher-request -> ietf-voucher-request-constrained
Questions?

Adopt?
(aux slides follow)
Bootstrapping (to EST) with no Owner Registrar

- When there is no local infrastructure to provide join proxy
  - But, enterprise has ordinary EST/RFC7030 Registrar

Redirect AFTER Issueing voucher