~~Living Documents~~

~~Evolving Documents~~

~~Checkpoint Documents~~

Checkpoint Drafts

Note Well

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

* BCP 9 (Internet Standards Process)
* BCP 25 (Working Group processes)
* BCP 25 (Anti-Harassment Procedures)
* BCP 54 (Code of Conduct)
* BCP 78 (Copyright)
* BCP 79 (Patents, Participation)
* https://www.ietf.org/privacy-policy/ (Privacy Policy)

Disclaimers

- This is an idea / concept
    - It's not a hill worth dying on
    - .... far more discussion than we'd been expecting
- Many different use cases
    - One size does not fit all
    - One solution will not fit all
    - Possibly one solution suitable for **many** though

~~Stable~~ Checkpoint is not carved in stone…

RSEs views...

- Interesting idea that has potential to improve the quality of RFCs published
- If this means fewer RFCs are published, that's OK
- None of this is in the official purview of the RFC Editor (but we really like the idea of producing ever-higher quality technical documents)

Use Cases

1. Operational documents
2. WG Support documents
3. Implementation documents
4. External documents
5. Protocol documents

Operational Documents

- This is where this started
- These are "advice", not protocol
- Changes frequently, not "worth" creating new RFC
    - V1: "you should filter routes using IRR"
    - V2: "you should filter routes using IRR and RPKI"
    - V3: "you should rank RPKI data over IRR"
- Terminology documents:
    - RFC7719 - DNS Terminology (Dec 2015)
    - RFC8499 - DNS Terminology (Jan 2019)
    - draft-hoffman-dns-terminology-ter-01...
- Hitchhikers Guide to... [SIP, DNS]

Implementation Documents

- QUIC / HTTPBIS name specific drafts as "implementation" drafts.
- Github document indicates which features are tested at each interop event.
- TSV tried to use Status Reports in the datatracker for similar functions.
- A standard way of indicating the "state of play" for new implementers would be useful.

This is a different use case - not covered here.

WG Support documents

- Use case documents
- Requirements documents
- Lessons learned (we tried X, if failed like this...)
- Long term documents

Probably covered...

External documents

- This was an earlier use-case, based on an earlier mechanism
- A "stable" link to an external thing
- Not addressed in this design

Not covered

"Protocol" Documents

AKA - end runs around the process...

- Don't do this
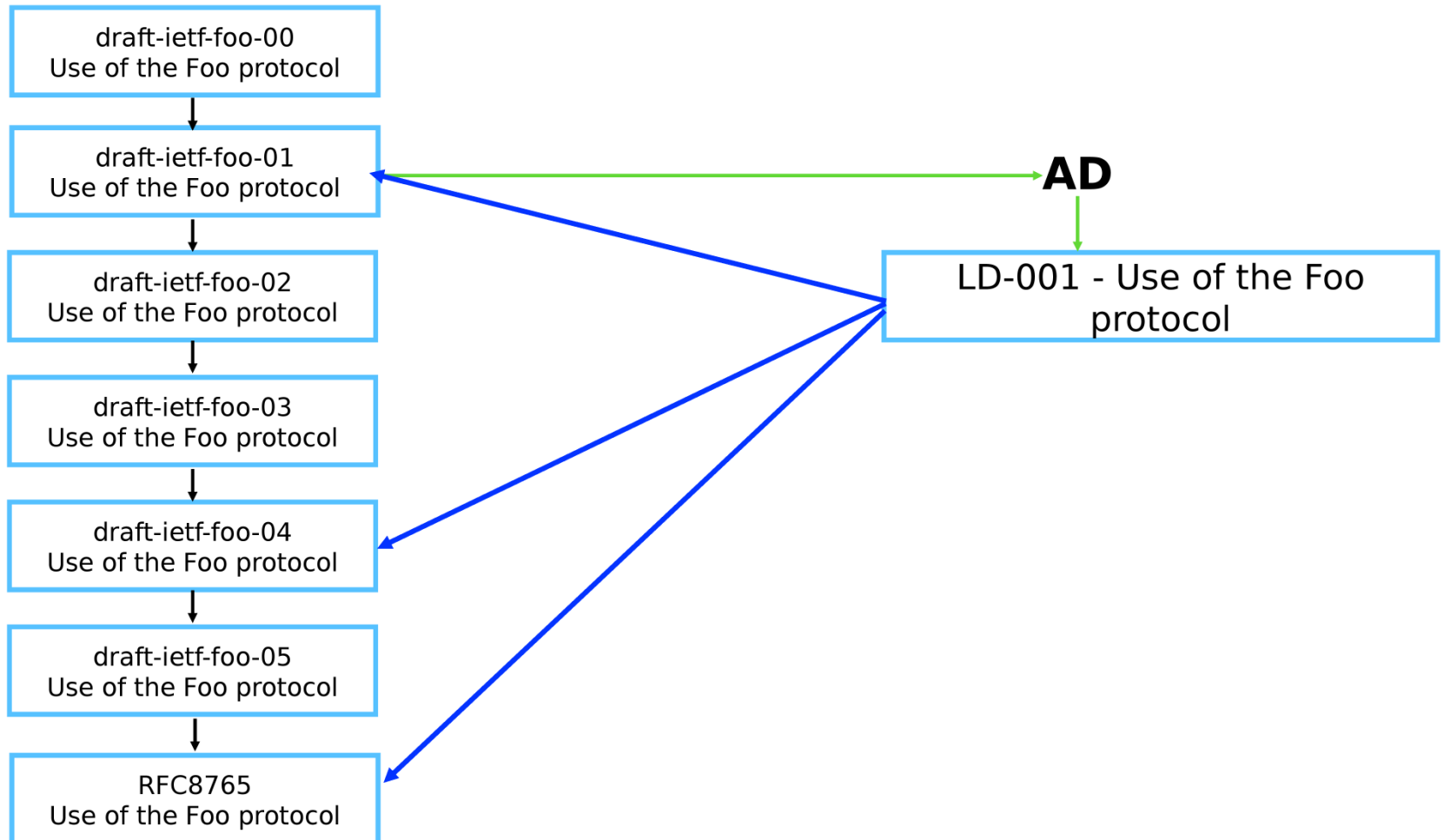- Trying to figure out how to mitigate this

Explicitly not supported

History / background

Abandoned mechanisms...

#1

Worked example

draft-ietf-foo-00
Use of the Foo protocol

draft-ietf-foo-01
Use of the Foo protocol

draft-ietf-foo-02
Use of the Foo protocol

draft-ietf-foo-03
Use of the Foo protocol

draft-ietf-foo-04
Use of the Foo protocol

draft-ietf-foo-05
Use of the Foo protocol

RFC8765
Use of the Foo protocol

AD

LD-001 - Use of the Foo protocol

Preview

Number	Title	WG / Area	Last updated
LD-001	Use of the Foo protocol	OpSec	Apr 8, 2019
LD-002	**SoK: SSL and HTTPS: Revisiting past challenges and evaluating certificate trust model enhancements**	TAPS	Apr 1, 2019
LD-003	**RFC7457 - Summarizing Known Attacks on Transport Layer Security (TLS) and Datagram TLS (DTLS)**	Security Area	Feb, 2015
LD-004			

Abandoned mechanisms...

#2

DataTracker Tag

- Easy to do
- Doesn't imply **too** much stability
- Hard for external people to understand

Currently proposed...

#3

Encoding in the name

- Easy to do
- Follows the "name changes when adopted" paradigm
  - draft-bob-grow-bar-19 -> draft-ietf-grow-bar-00
  - draft-ietf-grow-bar-12 -> GROW-5 version 2
  - draft-ietf-grow-bar-22 -> GROW-5 version 3
  - GROW-5 redirect to latest (GROW-5 version 3)
- RFCs may not normatively reference IDs.
  - RFCs MAY NOT reference checkpoint docs
- "checkpoints" never become RFCs
  - the "underlying" document might
- Easy for external people to understand
- The term "checkpoint" may still imply more than intended

DRAFT disclaimer…

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*************************************************
* This ID reflects the understanding of the WG that this
* version is stable enough to experiment with. Feedback
* will be considered by the WG, and potentially
* incorporated into an RFC (if published).
* It *has not* received IETF review, it is not an RFC, it
* is not set in stone. It is a snapshot in time of the
* current views, and is, like any ID, subject to change.
* This version of the document may not be used as
* reference material or cited.  If you build a test / PoC
* implementation from this understand that it is all
* subject to change, YMMV, no warranty expressed or
* implied, etc etc etc.
**************************************************
```

If so, how so?

1. A web page listing these?
2. A tag in the datatracker?
3. **Encoding in the name?**

    1. draft-checkpoint-grow-03
    2. checkpoint-ietf-grow-03
    3. GROW-3

Example

- draft-bob-grow-bar-19 -> draft-ietf-grow-bar-00
- draft-ietf-grow-bar-12 -> GROW-5 version 1
- draft-ietf-grow-bar-22 -> GROW-5 version 2
- GROW-5 always redirect to latest (GROW-5 version 3)
- If draft-ietf-grow-bar becomes RFC, GROW-5 redirects to that RFC

Questions...

- Worth further discussion?
- What does "marking" a document mean?
  - How do we mark a document?
- What about only for Ops Area?