bootstrap-validator

IETF 101
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Trust Anchor Retrieval

• Trust anchors published by ICANN since 2010

  • IANA function, or whatever the phrase is now

  • Various mechanisms provided

  • Ultimately documented in RFC 7958, a document that mentions RFC 5011 only once in passing and is mainly concerned with out-of-band publication mechanisms

  • No published guidance by the IETF on how validators should retrieve trust anchors using these methods
KSK Rollover

• Root Zone KSK planned for October 2017
  • deployment of (or observed behaviour of deployments, or something) of RFC 5011 is possibly sketchy, maybe, we don't really know

• Root Zone KSK postponed until October 2017
  • intervening period mainly reserved for obsessive head-scratching and cultivation of a vague feeling of unease

• Turns out there's some variability in how validators manage trust anchors
  • If only there was a technical standards body that could provide some guidance
Establishing an Appropriate Root Zone DNSSEC Trust Anchor at Startup
draft-jabley-dnsop-bootstrap-validator-00

Establishing an Appropriate Root Zone DNSSEC Trust Anchor at Startup
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• We think that a consistent approach to trust anchor retrieval is a lovely idea

  • we think this is necessary in addition to RFC 5011, and any successor, in-band approaches that might replace or augment RFC 5011 in the future

• Surely the precise advice in the draft is outdated, inadequate or just wrong, and needs to be updated

  • but it's not bad, considering! Yay 2011-era us!

• we think the working group should take this on, and that the sooner we have a unified approach across all the resolver implementations the better
Questions

• Does the working group think that some work in this area would be useful?

• Would this document be a useful starting point?