draft-ietf-dnssd-srp

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Status of draft

- Various life events have prevented me having time to do the updates discussed in San Francisco
- Possibly co-authors will help?
- Despite this, advertising proxy document has been updated to reflect some of the ideas that came up in San Francisco
More lessons learned

• When SRP Replication is combined with Advertising Proxy, there are a lot of ways it can go wrong
• Each SRPL peer needs to probe each registration over mDNS
• This consumes a lot of airtime repeating work that’s already been done
• TSR doesn’t help us with this because it’s only in probes, so we can’t skip probes.
• This has inspired the updates to the TSR document presented separately.
More issues

- SRP replication host updates can include multiple messages to represent complete state of host registrations
- Data in earlier messages may conflict with data in later messages
- This means that on initial sync, it’s very easy to get conflicts
- Apple implementation would give up if an update didn’t successfully apply
- Google implementation would ignore such failures, which worked, but wasn’t ideal
- A better approach would be to prepare all the updates at once and eliminate redundant updates
Upcoming work

• Apply updates for comments already made
• Describe how to avoid unnecessary probes with new TSR
• Do we need to document “redundant updates” strategy?
  • I think we need to say something
  • We probably don’t need to give details
• Current advertising proxy spec is consistent with not updating on every message
• Maybe like this:
  1. Fully synchronize with peer
  2. Trigger APx to publish