

PASSporT divert

IETF 102 (Montreal) STIR WG

Jul 2018

draft-ietf-stir-passport-divert-03

- A feature many people have asked about
 - How do we handle **retargeting**?
 - To header field of SIP is signed by PASSporT
 - Original SIP header value may be altered with retargeting
 - Looks like a cut-and-paste attack to the destination
- We define a special PASSporT to track retargets
 - With its own “ppt” – “**div**” for “divert”
- Different from History-Info and Diversion?
 - Yes, as it is signed by the original destination domain
 - Moreover, it only captures “major” changes
 - Thanks to our canonicalization procedures

What's New in -03?

- We kept nesting as a SHOULD
 - A must for OOB
 - For in-band, you can still use multiple Identity headers etc if you so desire
- Made “opt” independent of “div”
 - Just in case we want to nest PASSporTs for some other extension
- One more thing...

A nesting optimization

- When receiving a 302 with multiple Contact header field values
 - Could create a single PASSporT with the target list as separate "dest" values
 - PRO: Prevent us from having to include one nested PASSporT per target
 - CON: Reveals target list to destinations who inspect the PASSporT
 - Probably others that haven't occurred to me
- Good idea? Bad idea? Some text there now, easy to cut

Issues

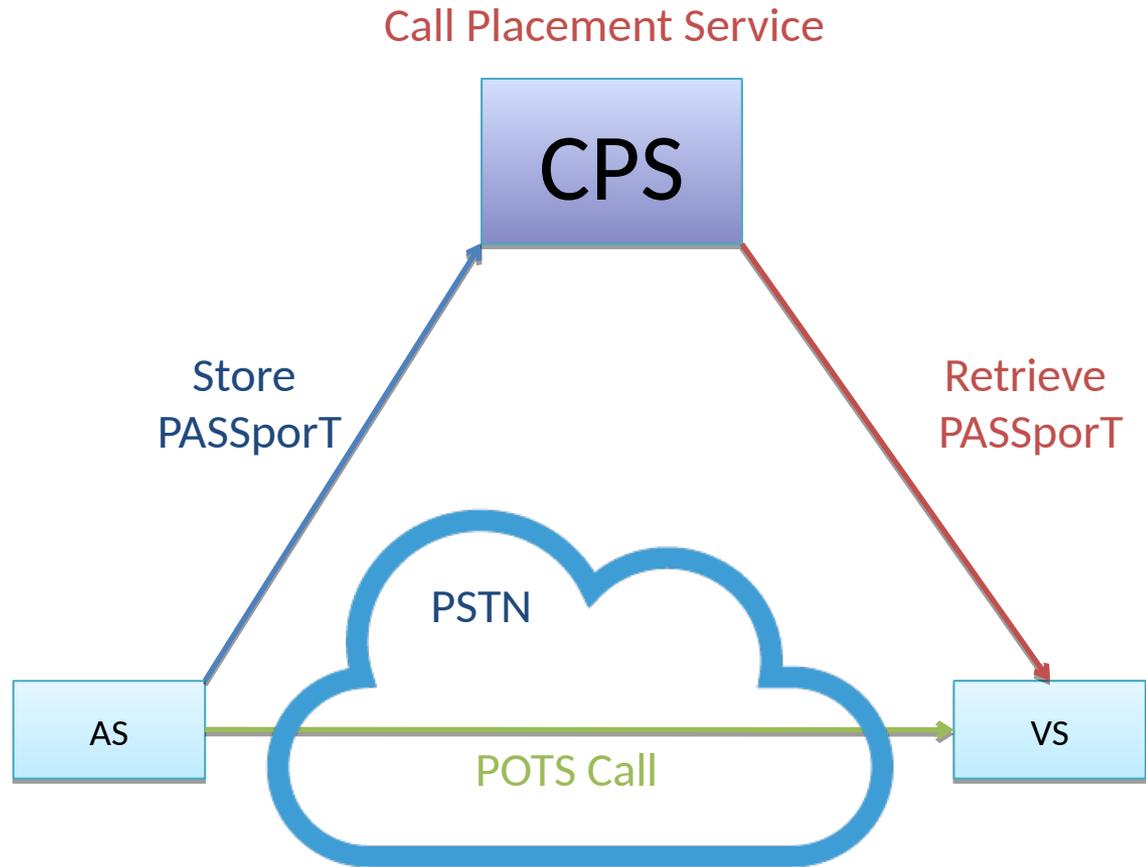
- This is pretty close
 - ATIS has kicked the tires on this one, hard
 - Also see Mary's H-I call flows doc
- Need some editorial reviews
- Last call?

draft-ietf-stir-oob Out of Band

STIR WG IETF **102** Montreal

July 2018

Basic STIR Out of Band



Authentication and Verification Services are not just end-user devices

What's New in -03?

- Not much: pretty cosmetic update
- Tried to make it clear the ReST example is there as a guide for future work
- Removed a few TBDs
- My plan: declare victory
 - Treat this as a framework/architecture document
 - If there's interest, do a protocol specification later
 - Enough here to do some implementation

Next Steps

- Need some editorial/content review
- Last call?