PASSporT divert

IETF 104 (**Praha**) STIR WG

Mar 2019

draft-ietf-stir-passport-divert-04

- 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 -05?

- Split into "div" and "div-o"
  - "div" for in-band, non-nested
    - Note that there can be multiple Identity headers for in-band "opt" remains independent of "div"
  - "div-o" for nested, probably for out-of-band
- Also really beefed up the AS and VS text
  - There are now detailed descriptions of how you process these objects (thanks ATIS!)
- Pretty extensive overhaul, eyes needed

An Aside: quoted PPTs

- Getting "div" through has raised consistency issues about quoting of PASSporT types
  - Should the Identity header parameter be
    - ;div=ppt   or
    - ;div="ppt"
- RFC8224 not clear about this, as it says it needs to be quoted, but the ABNF has "token" with no DQUOTE
  - Probably need to errata this in RFC8224
  - Also, clarify that the info parameter value is not quoted
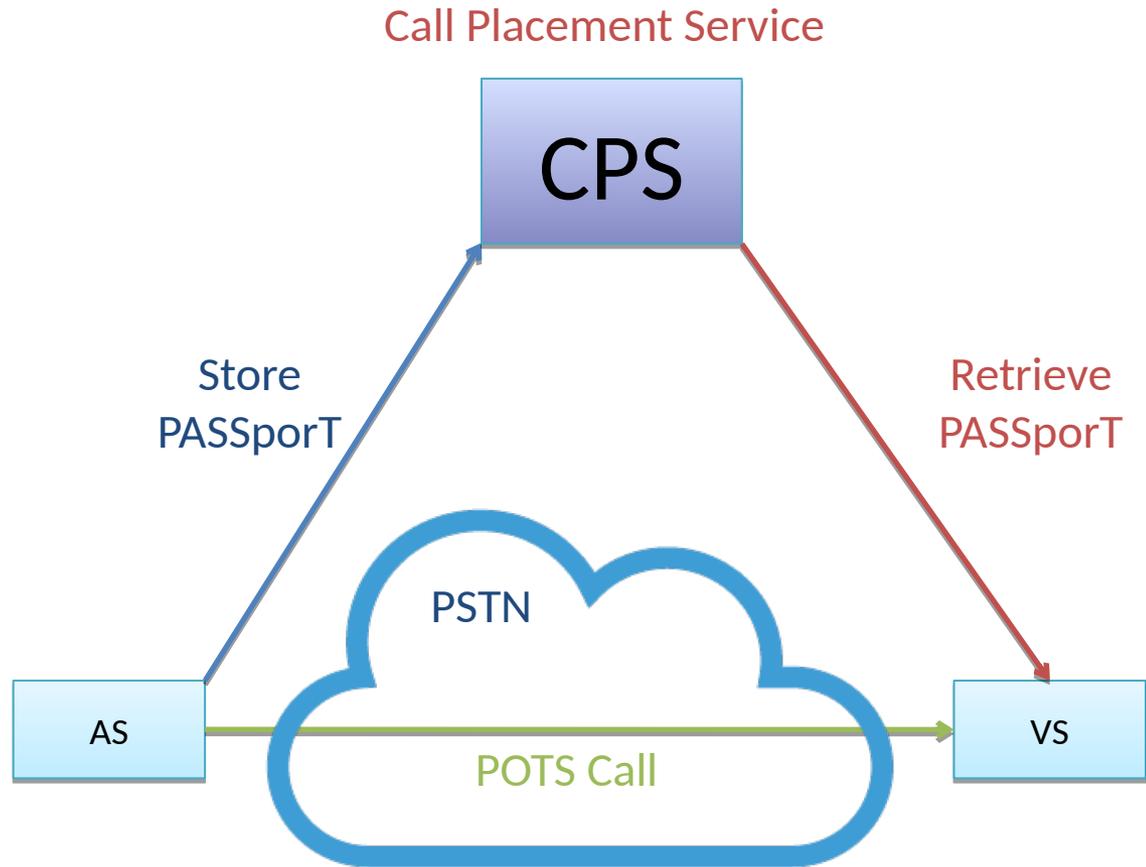
Issues

- Second WGLC surely necessary

- Advance!

draft-ietf-stir-oob
Out of Band

STIR WG IETF **103** Praha

Mar 2019

Basic STIR Out of Band

Call Placement Service

CPS

Store
PASSporT

Retrieve
PASSporT

PSTN

AS

POTS Call

VS

Authentication and Verification Services are not just end-user devices

What's new in -04

- Fixed bugs left over from previous revision
  - Also remedied editorial errors, thanks Robert!
- Added enterprise use case
- Aligned with new version of "div" ("div-o")
- Slight reorganization
  - Hopefully better separates solution sketch from architecture and framework

Next Steps

- Maybe a second WGLC?
  - Changes are not too drastic, cleaned up a lot of the review comments

- Declare victory