draft-ietf-stir-oob-02
Out of Band

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Limits of 8224

• It’s in-band – end-to-end IP-IP
  – At best, it addresses the SIP-to-SIP use case
  – Not going to help with SIP-to-PSTN, PSTN-to-PSTN
    • Important for transitional adoption, legacy networks, enterprises, etc.
  – We did in-band first because existing deployments need it
    • Like the IPNNI, now the SHAKEN profile

• Even some IP-IP deployments may not pass Identity e2e
  – Difficult to anticipate what will survive administrative boundaries
    • You can understand “boundaries” pretty broadly
  – And some existing deployments might just block Identity
    • As they block all new headers; especially B2BUAs
Basic STIR Out of Band

Authentication and Verification Services are not just end-user devices
What’s New?

• Added some text about AS and VS behavior
  – RFC8224 described steps very much in SIP terms
  – Now more generic guidance for validating PASSporTs against calls without SIP
    • Some steps specific to interfacing with a CPS

• Mocked up a REST interface for a CPS
  – Pretty obvious approach
  – Still much to do, including integrating flood control mechanisms to it
Next Steps

• To Do – flesh out solution more
  – Need to turn the HTTP interface into more than just a mock-up
  – Need to specify at least one CPS discovery mechanism
    • A much-studied problem, service discovery