Outbound

draft-ietf-sip-outbound-01

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Changes from -00

Changes

- Use STUN over TCP for keep alive
- Dealing with SUBSCRIBE before REGISTER (more on next slide)
- Change name of tag from "stun" to "sip-stun"

Open Issues (more on later slides)

- Edge Proxy Record Route
- Terminology
- Service Route

Work Needed

- Alignment with new STUN draft
- Careful poofreed
- Alignment with GRUU based routing changes?

Subscribe before Register

- Config framework requires a subscribe before UA had credentials to perform registry

- Solution:
  - This is only needed in special cases
  - Subscriber adds a "pin-route" option-tag in Require header to tell Notifier it needs this
  - Notifiers that support the pin-route Record-Route the SUBSCRIBE and send the NOTIFY over same flow as the SUBSCRIBE
  - Only used if UA does not yet have a GRUU

Open Issue #1
Record-Route and Reliability

- If an Edge Proxy record-routes with a name that resolves explicitly to it and then crashes, all future requests in that dialog will fail.

- Solution:
  - For long lived dialogs, use a GRUU and don't record route in edge proxy
  - This draft does not change how record routing impacts reliability

Open Issue #2
Service Route

- Conflict with draft-rosenberg-sip-route-construct
- Outbound has a set of alternative outbound proxies
- Service route provides only one list of proxies
- Draft has:
  - Use config framework, not service route, to set the outbound proxy set
  - This is probably not the best approach

- Solution is: This is a non issue
  - Start with configured outbound proxy
  - Each registration returns a (possibly different) service route
  - This service route replaces the outbound just for that registration

Open Issue #3
Terminology

- Flow, flow-id, connection are confusing

- Do we want to change?

  - If yes, I want suggestions on list, not in meeting please.