Applying Sigcomp to SIP

draft-ietf-rohc-sigcomp-sip-02.txt

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Remote Application Indentification

- Application = SIP entity
- Needed to select the correct SigComp compartment
  - When sending traffic to compress it
  - When receiving traffic to update the state in the compartment

Current Approach

- Application identified by the host part of its URI
  - IP address
  - FQDN
    - As it appears in the SIP message
    - Regardless of the IP address it resolves to

Open Issue

- Outbound proxy that is a proxy farm where all the proxies share SigComp state
- UA has an outbound proxy
  - Inserted using Service-Route in the 200 OK for the REGISTER
  - sip:outbound-1.example.com
- UA sends an INVITE
- Outbound proxy record routes using a different URI than in Service-Route
  - sip:outbound-2.example.com

Alternatives

- Keep the current approach
  - Proxies MUST use the same host part to reuse a SigComp compartment
- Define an explicit application identifier
  - sip:outbound-1.example.com;id="12wsfeQ45"
  - sip:outbound-2.example.com;id="12wsfeQ45"
  - Correlation between first request (sent to a URI with no id parameter) and second one still implicit