Connection Reuse in SIP
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draft-ietf-sip-connect-reuse-07

67th IETF (November 5-10, 2006)
San Diego, CA (USA)
-07 is fairly complete.

Addressed a long-standing open issue from Cullen:
- P runs two virtual domains a.com and b.com on 1.2.3.4:5061.
- P connects to C as a.com.
- Later, C wants to send request to b.com; it will reuse the connection to a.com.
- Solution: C saves the X.509 identities in the alias table, and reuses connection only if target it is sending to matches the name.

Cullen pointed one more issue: “TCP behavior contradicts outbound”.
- Solution: Talked to Cullen; will add text on co-existing with outbound.
Current Status

- Changes:
  - Explicit support for TCP connection reuse (connection-in-each-direction).
  - Support for virtual servers.