

Connect Reuse

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draft-ietf-sip-connect-reuse-05

Discussion: vkg@lucent.com

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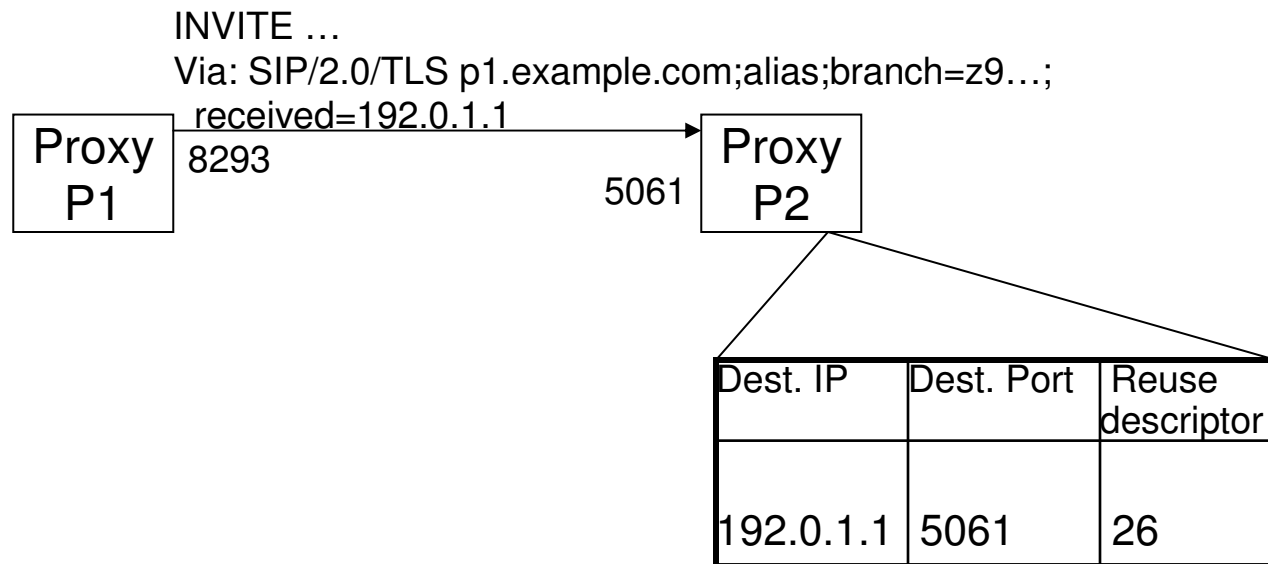
Dallas, Texas

Changes since -04

- Expanded security consideration section, including additional discussion on attacks possible across TCP (if alias was used for TCP).
- Took out use cases that pertained to outbound.
- Expanded normative behavior section.
- Took out Requirement 2 from -04: “A connection sharing mechanism SHOULD allow SIP entities to reuse existing connections with closely coupled nodes that act as a single SIP entity (for example, a cluster of nodes acting as a proxy server).
 - Did not interplay well with DNS SRV and load balancing.

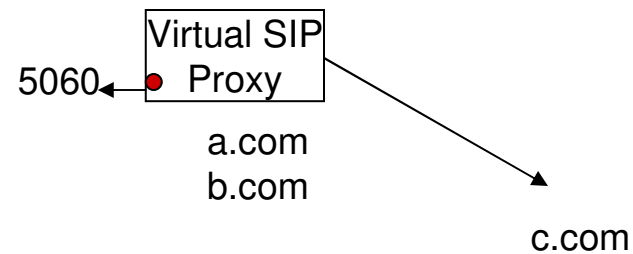
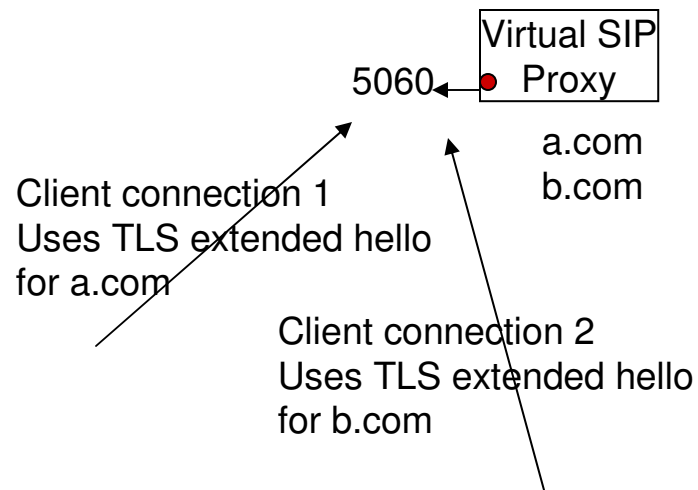
Connect-reuse-05

- Reuse done by using IP:port as index.
- Reuse comes into the picture after DNS NAPTR and SRV and A/AAAA lookups are done.



Open Issues

■ Virtual hosting



Problem:

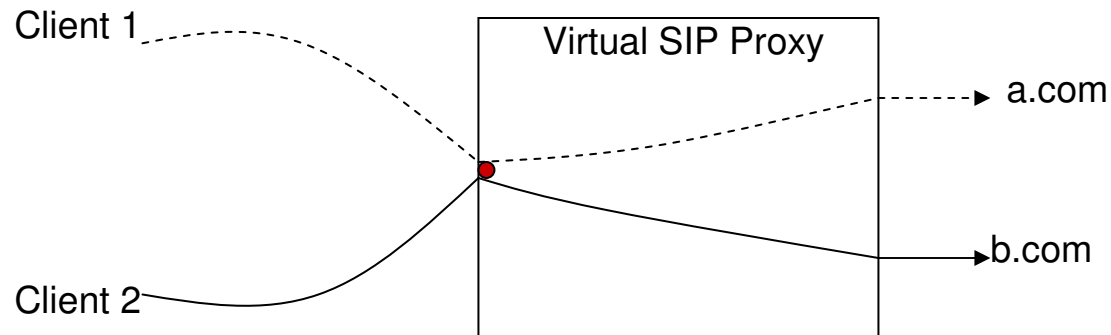
1. Proxy opens a connection to c.com; sends a request.
2. c.com does not know whether request from a.com or b.com?

Thoughts:

c.com could examine the topmost Via sent-by (if fqdn).

Open Issues

■ Virtual hosting



Client 1 connected to a.com
Client 2 connected to b.com

Later, b.com wants to send a request to Client 1. Because of the alias (using IP:port), the virtual SIP proxy may use the a.com->Client 1 connection.

What to do about virtual hosting? Is it a requirement to support virtual hosting now? Or later?