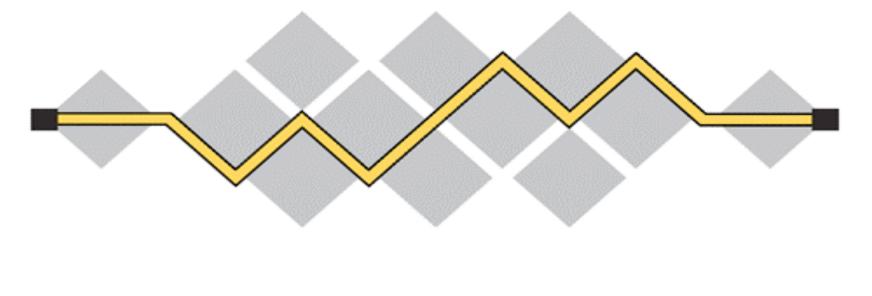# SIP working group status IETF#69

Keith Drage, Dean Willis

Note well

Note Well

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Agenda – session#1 – Monday July 23rd 9:00 – 11:30 (Red Lacquer)

Start Time	Topic	Discussion Lead	Reading List
0900	Agenda Bash and Status	Chairs	This document
0915	SIPS WGLC	Francois Audet	draft-ietf-sip-sips-05.txt
0935	Outbound WGLC	Rohan Mahy Cullen Jennings	draft-ietf-sip-outbound-10.txt
1005	Resource Priority Header Issues	James Polk	draft-polk-sip-rph-in-responses-00 draft-polk-sip-rph-new-namespaces-01.txt
1030	Delivering R-URI and Parameters to UA	Jonathan Rosenberg	draft-rosenberg-sip-ua-loose-route-01.txt
1105	MIME Body Handling	Gonzalo Camarillo	draft-camarillo-sip-body-handling-01.txt
1130	End of Session		

Agenda – session#2 – Tuesday July 24th 9:00 – 11:30 (Red Lacquer)

Start Time	Topic	Discussion Lead	Reading List
0900	Agenda Bash and Status	Chairs	This document
0905	Fork Loop Fix and Corrections	Robert Sparks	draft-ietf-sip-fork-loop-fix-05 draft-sparks-sipping-max-breadth-01 draft-drage-sip-essential-correction-01
0925	SAML	Hannes Tschofenig Jeff Hodges	draft-ietf-sip-saml-02
0945	eTags For Notification	Aki Niemi	draft-ietf-sip-subnot-etags-00.txt
1000	UA-Driven Privacy	Mayumi Munakata	draft-munakata-sip-privacy-new-01.txt
1020	Domain Certs	Vijay Gurbani Scott Lawrence	draft-gurbani-sip-domain-certs-06.txt
1045	Certificate Authentication	Steve Dotson	draft-dotson-sip-certificate-auth-03.txt
1100	INFO Considered Harmful	Eric Burger	draft-burger-sip-info-00
1115	Media identity	Dan Wing	draft-wing-sip-identity-media-00.txt
1130	End of session		

Ad hoc sessions

- ♣ P2PSIP Protocols Adhoc Monday at 2200 (Where?)

Other information

♣ SIP WG now has a WIKI:
  – http://www.softarmor.com/mediawiki/index.php/SIP_Working_Group
  – https://www.softarmor.com/mediawiki/index.php/SIP_Working_Group

♣ Essential corrections WIKI at:
  – http://www.softarmor.com/mediawiki/index.php/Essential_Corrections_Tracking

♣ Meeting materials at:
  – https://datatracker.ietf.org/meeting/69/materials.html

♣ Jabber logs at:
  – http://www3.ietf.org/meetings/ietf-logs/sip/

♣ Streaming at:
  – http://videolab.uoregon.edu/events/ietf/

Current status (see posts to list for details)

♣Documents published since IETF#68 = 2

♣Documents in RFC editor's queue = none

♣Documents now with IESG = 11

– draft-ietf-sip-acr-code-05 is now approved

♣Documents completed last call awaiting submission to IESG = 1

♣Documents in WGLC = 5

♣WG documents still being developed = 8

– Need reviewers for some forthcoming WGLC

Documents published since IETF #68

♣draft-ietf-sip-mib-12 as RFC 4780 (Proposed standard) (Thanks to Kevin Lingle, Jean-Francois Mule, Joon Maeng, Dave Walker)

♣draft-ietf-sip-connected-identity-05 (Proposed standard) as RFC 4916 (Thanks to John Elwell)

draft-hilt-sip-correction-503-01

♣ Problem
  – RFC 3261 defines a mechanism for overload control based on the 503 response code.
  – This mechanism has proven to be ineffective in actual deployments and often does not provide relief for an overloaded server.

♣ Reason
  – A key problem is that 503 covers server unavailability due to maintenance AND overload control.
    • But: both cases have different requirements.
    • 503 is effective for maintenance but not for overload control.
  – The problems of 503 overload control are described in draft-ietf-sipping-overload-reqs-01.txt

♣ Approach
  – Separate server maintenance and overload control.
  – Update the 503 response code (possibly by adding a new response code) so that servers can effectively reject requests they cannot process due to overload.

♣ Feedback is solicited

♣connect-reuse-07

– Abstract:

- Reusing congestion-controlled connections between a pair of proxies.
- Congestion-controlled connection must be protected by TLS usage to ensure authenticity of the endpoints and provide confidentiality.
- Transports considered: TLS over TCP, TLS over SCTP.
- Guidelines for connection reuse of TCP by maintaining two connections.
- Guidelines for virtual servers and connection reuse.
- Guidelines for DNS SRV interaction and connection reuse.

♣ *Abstract*: This document allows a pair of communicating proxies to reuse a congestion-controlled connection between themselves for sending requests in the forward and backwards direction. Because the connection is essentially aliased for requests going in the backwards direction, reuse should be predicated upon both the communicating endpoints authenticating themselves using X.509 certificates through TLS. For this reason, we only consider connection reuse for TLS over TCP and TLS over SCTP. A single connection cannot be reused for the TCP transport between two peers, and this document provides insight into why this is the case. As a remedy, it suggests using two TCP connections, each opened pro-actively towards the recipient by the sender. Finally, this document also provides guidelines on connection reuse and virtual SIP servers and the interaction of connection reuse and DNS SRV lookups in SIP.