

SIP Secure Call-ID

draft-kaplan-sip-secure-call-id-00

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The Setup

- SIP Call-ID header value is used for several things:
 - Dialog-matching criteria for messages
 - Used for reference, by Replaces, Join, dialog-events package, etc.
 - Used by RFC4474 Identity and 4496 connected-identity as one of the signature inputs

The Problem

- B2BUA's change the Call-ID
- Why?
 1. rfc2543 fsck'ed-up, and made it "string@host", as do all examples and the rfc3261 recommendation
 1. A B2BUA is a UAC, and 3261 says a UAC MUST generate a unique one
 2. Some B2BUA's need to, to keep track of spirals and forks (since Via is removed)

The Possible Solutions

1. Seek and destroy all B2BUA's
2. Keep blinders on, pretend World is flat
3. Blame authors of rfc2543
4. Fix it and stop complaining

This draft chooses #4

The Draft Solution

- Update RFC 3261
- Replace normative text
 - MUST NOT use “localid@host” when generating Call-ID value
 - MUST NOT put host info in Call-ID
- Replace ABNF
 - callid = word ~~['@' word]~~**
- Tell B2BUA's: in this case, do not replace

The Plan

1. Go to WGLC, ASAP
2. Publish the draft
3. Put in references to this in any new drafts, or updates to existing ones, which need dialog correlation and have examples
4. Profit