

CLUE Signaling Draft Status

Toronto, Canada

Thursday, July 24, 2014

Events since IETF89

- draft-kyzivat...signaling-08
- Adoption as WG draft
- draft-ietf...signaling-00
- draft-ietf...signaling-01
- draft-ietf...signaling-02

Version draft-kyzivat...signaling-08

- Added media feature tag for CLUE support ('sip.telepresence')
- Changed grouping semantic from 'CLUE' to 'TELEPRESENCE'
- Restructured document to be more centred on the grouping semantic and its use with O/A
- Lots of additional text on usage of the grouping semantic
- Stricter definition of CLUE-controlled m lines and how they work
- Some additional text on defining what happens when CLUE supports is added or removed
- Added details on when to not send RTCP for CLUE-controlled "m" lines.
- Added a section on using BUNDLE with CLUE
- Updated data channel references to point at new WG document rather than individual draft

Version draft-ietf...signaling-01

- Revised terminology - removed the term 'CLUE-enabled' device as insufficiently distinct from 'CLUE-capable' and instead added a term for 'CLUE-enabled' calls.
- Removed text forbidding RTCP and instead added text that ICE/ DTLS negotiation for CLUE controlled media must be done as normal irrespective of CLUE negotiation.
- Changed 'sip.telepresence' to 'sip.clue' and 'TELEPRESENCE' grouping semantic back to CLUE.
- Made it mandatory to have exactly one mid corresponding to a data channel in a CLUE group
- Forbade having multiple CLUE groups unless a specification for doing so is published
- Refactored SDP-related text; previously the encoding information had been in the "initial offer" section despite the fact that we recommend that the initial offer doesn't actually include any encodings. I moved the specifications of encodings and how they're received to an earlier, separate section.
- Added text on how the state machines in CLUE and SDP are allowed to affect one another, and further recommendations on how a device should handle the sending of CLUE and SDP changes.

Version draft-ietf...signaling-02

- Added section on not accepting non-CLUE-controlled "m" lines in the initial answer when CLUE is to be negotiated.
- Removed previous language attempting to describe media restrictions for CLUE-controlled "m" lines that had not been configured, and replaced it with much more accurate 'treat as "a=inactive" was set'.
- Made label element mandatory for CLUE-controlled media (was previously "SHOULD include", but there didn't seem a good reason for this - anyone wishing to include the "m" line but not immediately use it in CLUE can simply leave it out of the <encodingIDList>.)
- Added a section on the specifics of relating encodings in SDP to <enclID> elements in the CLUE protocol, including the fact that both ADVERTISEMENTS and CONFIGURE messages reference the *encoding* (eg, in the CONFIGURE case the sender of the CONFIGURE message includes the labels of the recipient's "m" lines as their <enclID> contents).
- Minor revisions to the section on complying with normative SDP/CLUE state machine language to clarify that these were not new normative language, merely that existing normative language still applies.
- Removed appendices which previously contained information to be transferred to the protocol and data channel drafts. Removed other text that discussed alternatives to the current approach.
- Cleaned up some 'todo' text.

Where are we:

- Plan calls for pre-WGLC end of October
 - We may be ready sooner 😊
- All my (Paul's) significant concerns have been resolved.
- Not sure how many are paying attention
 - Who has carefully read -01 or -02?
- There are a few issues open in the tracker

Open Issues for Signaling

- #28: Configure message & SDP consistency
 - Propose to close: resolved
- #25: Advertisement: Complete "all" or "delta"
 - Propose to reassign to Protocol
- #24,#30: CLUE and BFCP: controlling same m-line
 - Does anyone want to do the work to pursue this?

Next Steps

- Need comments/proposals from those who think changes are needed