SIPREC
draft-ietf-siprec-req-02
Requirements for
Media Recording using SIP

IETF 78.5 Interim meeting
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on behalf of the team
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Agenda

- Progress since '78
- Draft -02
- Open Issues and Public Comments
- Next Steps

Progress

- SIPREC '78 meeting

- draft-ietf-siprec-req-01 published   Sept 01

- draft-ietf-siprec-req-01 published   Sept 28

Outstanding Topics

- Failure modes and handling
- Codec negotiation
- Pause/Resume
- Chat/IM/Text
- Sect 5, Use Case 4
- Req-005, -006: Recording Policy
- Metadata transport
- Req-022: Cancel a recording session
- Security, Authentication, Privacy

Failover, Rejecting calls

- REQ-008: Failover (ticket #26)
    1) failover from one SRS to another at setup time (?)
    2) Recording will continue on a new SRS when the original SRS fails (no loss of media is implied by this)
    3) the Communication Session will not be impacted by moving a Recording Session from one SRS to another.

- REQ-009, -011: Aren't these basically the same thing? Why delete -011 and not -009?   -010? (tickets #27, 28)
    - REQ-009 A request for a new Recording Session MUST be rejected by the SRS if service is unavailable (e.g. system overload, disk full, etc.)
    - REQ-011 If no recording resources are available, appropriate error message MUST be returned.
        - Removed due to ticket #29

Codec Negotiation

- Related to Tracker #4
- At setup time
- Mid-call

- Transcoding deferred

Pause/Resume

- Pause vs. Suspend → resolved ("Pause")

- Vs. Start/Stop
  - Start: initiate a Recording Session
  - Stop: terminate a Recording Session

- Pause/Resume can only happen 'inside' an existing Recording Session

Chat, IM, Text

- Need requirement to synchronize audio/video with other media?

- Chat/IM/Text in RTP media or other formats?

Sect 5, Use Case 4

- "The recording session is a single RTP stream, therefore consists of a single offer/answer exchange. There may be mid-session RE-INVITE offer/answer exchanges for codec changes or for moving the RTP streams to handle failure scenarios."

- - Saying it is a single RTP stream might not work for multiple media. Perhaps "single RTP stream per medium"?
  - → not quite right either…

- The first sentence is contradicted by the second sentence, which says that there can be further offer/answer exchanges.

- - Furthermore, this is getting too far into solution.

- I would suggest we delete these sentences.

Section 5, used case 4:

- "A Recording Session records continuously without interruption."

- Yes, but only as long as there are media to record. It will clearly stop recording when not receiving any media.

- →*Should it record silence during those periods?*

Section 5, use case 4:

- "Call details and metadata will still be signaled, but can be post- correlated to the recorded media."

  → Why "post-correlated"? Why can't they be correlated at the time?

- "however this may be on a permanent filter-type basis, such as based on a SIP AoR of an agent that is always recorded."

  → This presumably is referring to correlation, but I don't understand it, particular the expression "filter-type basis".

REQ-006 (and -005)

- "The mechanism MUST support establishing Recording Sessions from the SRS to the SRC (SRS initiates recording). This requirement typically applies when the decision about whether a session should be recorded or not resides in the SRS."

  – Do we really need this? We have decided it is the policy server that decides, and of course the policy server can be collocated with the SRS. This doesn't necessarily mean the SRS establishes the session. The policy server instructs the SRC to record and the SRC establishes the session. In fact, I could also question why we need REQ-005. Both REQ-005 and REQ-006 seem to be solution.

  – *[<krehor>] Generally agree but let's discuss…*

Metadata in/out of SIP dialog

- [JE] This is calling for two separate mechanisms. I am sure we must have discussed this in the past, but do we really want to make interoperability harder by having two mechanisms?

- → General question of whether we want to specify this detail in requirements doc or not

REQ-022

- REQ-022: The mechanism MUST support a means to cancel and discard a Recording Session during a Communication Session.

- → What is the controlling 'means'?

Security, Authentication

- Open tickets #35, 37:

- REQ-029 – security
  http://www.ietf.org/mail-archive/web/siprec/current/msg00451.html
  - "Confidentiality, Integrity, Authentication"

- REQ-031 – SIP security model
  - "eavesdropping protection, authorization and authentication."

Next Steps

- Resolve Open Issues and Public Comments

- Publish next draft   -03   15 Oct 2010

- Final version for IETF 79   25 Oct 2010

Deferred to Version 2

- SRS initiated recording (tracker #
- Media transcoding (tracker #4)
- Zero-media-loss failover

Discussion