

Signaling media decoding dependency in Session Description Protocol (SDP) – draft-schierl-mmusic-layered-codec-03

Thomas Schierl, HHI

thomas.schierl@hhi.fraunhofer.de

Stephan Wenger, Nokia

stephan.wenger@nokia.com

draft version 01, 02: Changes

- Extended section on Offer/Answer, declarative usage
- Removed SSRC mux in -02, also removed from (related) draft on RTP Payload for SVC – draft-ietf-avt-rtp-svc-01
- Original SSRC mux use-case for SVC:
Adaptation of encrypted and authenticated content without being in the security context.
- Found out: Not possible, since RTCP feedback is also authenticated within SRTP –
But for adaptation RR has to be re-written
- That means: Not possible to cover full SRTP functionality
- Remaining use-case:
 - (1) Adaptation of encrypted media stream without authentication
 - (2) Adaptation of media stream without parsing Payload header in strongly restricted use-cases
- Are these compelling use cases for AVT?
- More details in draft-ietf-avt-rtp-svc-01 presentation

Open issues/TBD:

- Should we roll up the SSRC discussion? See presentation: draft-lennox-mmusic-sdp-source-attributes-00
- TBD:: Capability Negotiation interaction/issues
- Planned: Integration of mechanism proposed in draft-schmidt-mmusic-media-dependency-00 indicating relations between medias of different types, e.g. subtitling text stream for a video stream
- I will ask for working group status in MMUSIC, since basic mechanism (SDP dependency grouping + dependency attrib.) seems to be stable

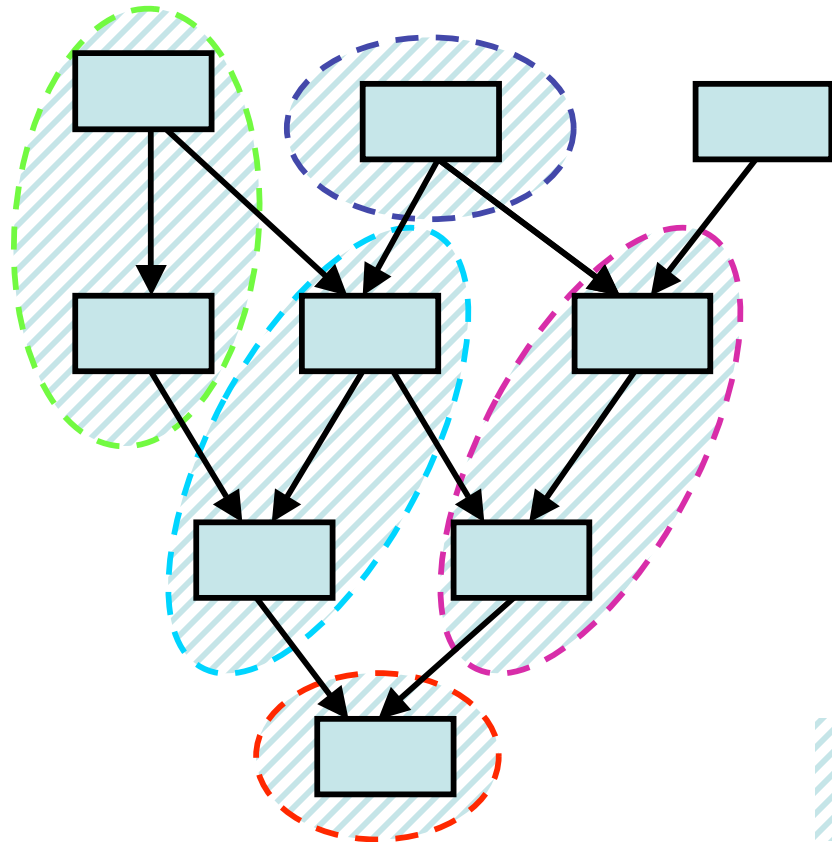
Thanks for your attention!

Signaling: media stream dependency (*stable since -00*):

- Session multiplexing:
Distribution of layered/mdc media stream onto different m-lines
- Extended SDP grouping (RFC3388):
DDP – ‘Decoding Dependency’ group
- Media streams identified by *mid*
- Additional media level attribute:
*a=depend:TYPE *(mid)*
- *TYPE*:
lay – layered decoding dependency
mdc – multi description decoding depend.

Dependencies

Hierarchical



Multi Description

