

Mapping RTP streams to CLUE media captures

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Introduction

- **CLUE framework defines Media Captures that provide information about the semantics of the streams like spatial relation**
- **SDP describe the characteristics of the streams and the connection information.**
- **Need to map between media captures and actual streams described SDP**
- **Try to avoid duplication of information between SDP and CLUE**

Assumptions

- **Multipoint signaling is based on centralized conference server. Model may depend on size of roster and properties of streams**
 - **Conference roster based on XCON event package**
 - **Conference roster based on RFC5576**
- **The MCU handles media as an RTP mixer**
- **The MC add some semantics to each media stream.**
 - **There can be more than one semantic to a stream e.g. same source is sending video of the whole room or third of the room.**
- **Call setup can use one or more offer/answer exchanges**
 - **Discussed in transport draft**

Proposal

- **SDP offer will include an m-line for each MC in the physical simultaneity entry with the largest number of MC.**
 - **The encoder is the same for all mutually exclusive elements since the constrain is physical.**
- **Define a captureID grouping so each m-line in the group will have a unique ID to be used by a MC**
- **Define a CLUE MC attribute RTP-id that will use the same unique IDs**