ICE-SIP-SDP
draft-ietf-mmusic-ice-sip-sdp-10

IETF#97

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(2) DEFAULT CANDIDATE IN SDP ANSWER

- WHAT DO I NEED TO KNOW?
  - m- line in SDP answer must contain same transport value as the corresponding m- line in the associated SDP offer
    - RFC 3264 actually doesn't say that, but I assume that is the rule
  - draft-ietf-mmusic-ice-sip-sdp-10 says that the c/m- line of SDP offers and answer must contain the default candidate

(3) DEFAULT CANDIDATE IN SDP ANSWER

- **WHAT'S THE ISSUE?**
  - What if the offerer and answerer use different transports for their default candidate?
    - Answerer can not insert default candidate in m- line of answer
- **HOW DO WE SOLVE IT?**
  - Remote the requirement to include the default candidate in the c/m- line of the SDP answer
    - When the SDP answer is sent, it is known whether ICE will be used (read: m- line transport does not matter)

(4) NON-SUPPORTED TRANSPORT IN m- LINE

- ## WHAT DO I NEED TO KNOW?
  - m- line in SDP answer must contain same transport value as the corresponding m- line in the associated SDP offer
    - RFC 3264 actually doesn't say that, but I assume that is the rule

(5) NON-SUPPORTED TRANSPORT IN m- LINE

- WHAT'S THE ISSUE?
  - What if the answerer does not support the transport in the m- line of the SDP offer?
    - The answerer DOES support the transport in one or more of the candidates provided in the SDP offer
  - Does the answerer have to reject the SDP offer?

(6) NON-SUPPORTED TRANSPORT IN m- LINE

- ## HOW DO WE SOLVE IT?
  - **ALT #1**: Every protocol supporting ICE must define a mandatory-to-support transport, and must use that as default candidate (read: must be in m- line)
    - Most protocols (RTP, SCTP-over-DTLS) do this.
    - What about BFCP?
  - **ALT #2**: Allow answerer to include transport in c/m- line even if it doesn't support it
    - When the SDP answer is sent, it is known whether ICE will be used (read: m- line transport does not matter)

(7) TRANSPORT SWITCH AND O/A

- WHAT DO I NEED TO KNOW?
  - Two endpoints negotiate a media session using both UDP- and TCP- based candidates
  - Before nomination:
    1. Media can be sent on valid candidate pairs
    2. Media can be switched between valid candidate pairs
    3. Transport may change

(8) TRANSPORT SWITCH AND O/A

- WHAT SHOULD WE CLARIFY?
  - **#1**: When an endpoint switches transport, it does not need to send an offer in order to align the m-line transport with the new transport
  - **#2**: When an offer is sent for another reason, the m- line transport shall match the currently used transport
    - What if offerer and answerer use different transports?

THANKS FOR LISTENING!