

Media level ICE attributes

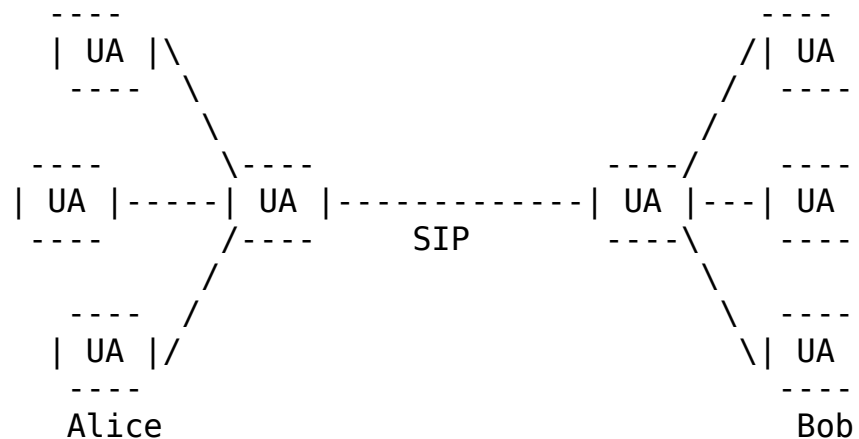
draft-petithuguenin-mmusic-ice-attributes-level

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Problem

When an endpoint is aggregating medias, there is a good chance that each media uses different implementations, which may want to use different values for a:ice-options – which cannot be done because this is a session-only attribute.

(copied from draft-loreto-splices-disaggregated-media)



SDP example

In this invalid example, only the audio implementation supports ECN:

```
v=0
o=jdoe 2890844526 2890842807 IN IP4 10.0.1.1
s=
c=IN IP4 192.0.2.3
t=0 0
m=audio 45664 RTP/AVP 0
b=RS:0
b=RR:0
a=rtpmap:0 PCMU/8000
a:ice-options: rtp+ecn
a=ice-pwd:khjh4jh56h4jhjh4
a=ice-ufrag:zz765
a=candidate:1 1 UDP 2130706431 10.0.1.1 8998 typ host
a=candidate:2 1 UDP 1694498815 192.0.2.3 45664 typ srflx raddr 10.0.1.1 rport 16546
m=video 8000 RTP/AVP 96
b=RS:0
b=RR:0
a=rtpmap:0 H.263/90000
a=ice-pwd:asd88fgpdd777uzjYhagZg
a=ice-ufrag:8hhY
a=candidate:1 1 UDP 2130706431 10.0.2.23 8000 typ host
a=candidate:2 1 UDP 1694498815 192.0.3.1 55990 typ srflx raddr 10.0.2.23 rport 18765
```

Proposal

- Change a:ice-options to a session and media level attribute.
- Defines interoperability rules with legacy implementations.
- Mandates that future a:ice-options values define rules to choose the session level value depending on the value of the media level a:ice-options.
- Do nothing for a:ice-lite.

Conclusion

- WG work?
- Questions?