

SDP attribute for qualifying Media Formats with Generic Parameters (gpmd)

draft-rajeshkumar-mmusic-gpmd-01.txt

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Background

- Receiver of audio media stream can benefit from knowing that media stream is voice band data. It should not be a requirement to know this though (optimization).
- Need to indicate that media stream is for voice-band data.
- Special case of a more general issue:
 - Want to be able to define new media format parameters that can apply to existing MIME types for media formats.
 - Support for such parameters must be optional - a hint.
 - Lack of receiver support for these parameters should not render the media received useless - rather an optimization.
 - If receiver support is important, offer/answer can be used to determine if other side supports it and hence whether sender side optimization can be used.

Possible Solutions

- fntp parameters: Parameters must be defined up front, so does not work here.
- SDP attributes: No standard way of specifying these on a per media format basis (only per media stream).
- gpmd: New SDP attribute that defines a way of specifying new optional media format parameters on a per media format basis.
- Example:

```
m=audio 3456 RTP/AVP 0 15 98
a=rtpmap:98 PCMU/8000
a=gpmd:98 vbd=yes
```

Current Issues

- gpmd attribute definition too open-ended right now:
 - Need to narrow down scope and clearly specify what constitutes appropriate use of gpmd (and what does not).
- Need to specify Offer/Answer interactions.
- Registration procedures for new gpmd parameters:
 - Specification Required, Designated expert, ... ?

Next Steps

- Update draft
- Any further comments or issues ?
- Status in WG ?