

SDP Attribute for Qualifying Media Formats with Generic Parameters (gpmd)

draft-rajeshkumar-mmusic-gpmd-02.txt

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Recap

- Definition of new media formats can define media format parameters to qualify the media format (fmtp).
- Want to be able to define new media format parameters that can apply to existing media formats.
- The “gpmd” attribute is a new SDP attribute that defines a way of specifying new optional media format parameters on a per media format basis.
- Support for gpmd parameters must be optional - a hint.
 - Lack of receiver support for such parameters should not render the media received useless - rather an optimization.
 - Offer/answer can be used to determine if other side supports it and hence whether optimization can be used.

Voice-Band Data

- Draft defines a new gpmd parameter:
 - Voice-Band Data (“vbd”).

- Example:

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

Changes since -01

- Firmed up definition of gpmd attribute:
 - gpmd attributes MUST be informative in nature.
 - Support for gpmd attributes MUST be optional.
 - Lack of support for a gpmd parameter MUST NOT render the media format in question useless:
 - If one side does not support a given gpmd attribute, the media format in question must still work at least as well as if the gpmd parameter had been omitted in the first place.
 - Normal codec negotiation (offer/answer) thus works as usual.

Changes since -01

- Usage with Offer/Answer has been formally defined leading to two types of gpmd parameters:
 - Unilateral
 - Use of the parameter is not negotiated.
 - Each side can advertise and use it independently.
 - Bilateral:
 - Use of the parameter must be negotiated.
 - Can only be used if present in both offer/answer.

Changes since -01

- Added section comparing “gpmd” with “fntp”.
- Added formal procedures for defining and registering new gpmd parameters:
 - Must be Standards-Track RFC.
- Updated definition and registration of voice-band data (“vbd”) gpmd parameter in accordance with other draft changes.

Next Steps

- All known issues have been addressed in the current draft - any new issues ?