

Ralph Giles



Xiph.org Foundation

RTP Payload formats

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Open Source Multimedia



XIPH.org

"XIPH"

Xiph.org, FFI

Open Source and Open Formats
free and freely implementable

Xiph.org Multimedia

Ogg container RFCs 3533, 3534

.....

Vorbis - general music/audio

Speex - voice

FLAC - lossless audio

Theora - general video
(based on VP3)

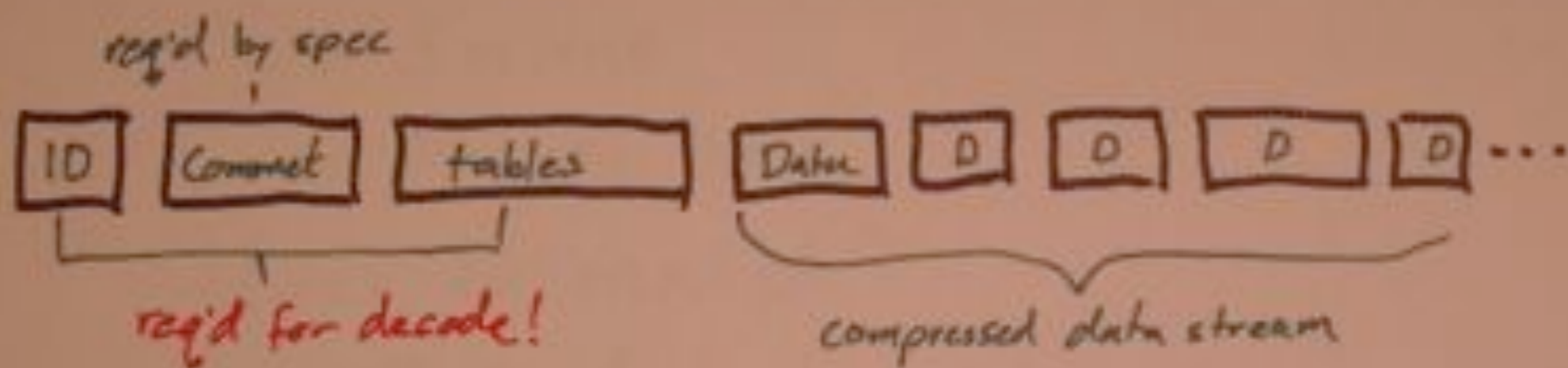
Speex...

Is straightforward

review

draft-ietf-avt-rtp-speex-00

Vorbis / Theora Configuration headers



ID + tables must be received before decode can begin!

Vorbis / Theora

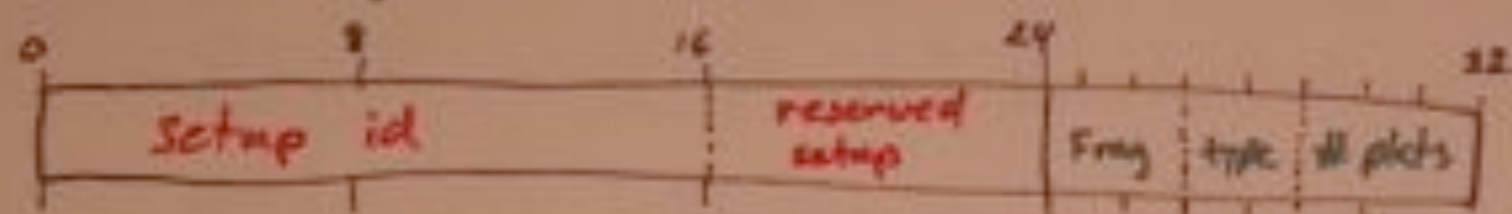
How to send?

- Inline
- Out-of-band

How to match?

- Payload header id field

Vorbis / Theora Payload header



data packed XOR fragmented

Decoder Setup Transmission

Setup id \leftrightarrow 10+ tables packets

Marked through URI in SDP:

- RTSP or HTTP url for retrieval
- RTSP for all-headers multicast SDP
- Static mapping for broadcast

Also include a long hash for caching.

Drafts

[http://svn.xiph.org/trunk/vorbis/doc/
draft-kerr-avt-vorbis-rtp-05.txt](http://svn.xiph.org/trunk/vorbis/doc/draft-kerr-avt-vorbis-rtp-05.txt)

[http://svn.xiph.org/trunk/theora/doc/
draft-barbato-avt-rtp-theora-00.txt](http://svn.xiph.org/trunk/theora/doc/draft-barbato-avt-rtp-theora-00.txt)

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