

RTSP 2.0

draft-ietf-mmusic-rfc2326bis-19

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Status

- -19 first version after interim meeting in May
 - interim minutes
<http://www.ietf.org/mail-archive/web/mmusic/current/msg06999.html>
 - contains many changes (next slide)
 - still a number of issues (see tracker)
 - 21 in Bugs
 - 13 in Features
- html diff is here
<http://www.stiemerling.org/ietf/mmusic/draft-ietf-mmusic-rfc2326bis-18-diff-19.html>
- Tracker is here
http://sourceforge.net/tracker/?group_id=23194

Closed Issues

- [[1701604](#)] Multicast use case and its need for extensions
- [[2209385](#)] Should we specify start TLS
- [[2080171](#)] Syntax errors in examples
- [[2038440](#)] ABNF inconsistencies and typos
- [[1701605](#)] Need to clarify text on sendrecv, recvonly and sendonly
- [[1701439](#)] Concerns with TLS handling for proxies
- [[1796894](#)] VCR on live content
- [[2209867](#)] Use SHA-256 for hash of DER certificate
- [[1600410](#)] Improve Request Pipelining to reduce number of RTTs
- [[1834501](#)] Explicite indication of media properties
- Use [`<number>`] to access them in the tracker

Issue: Media Properties

- Media Properties (Section 1.5 and others)
 - When RTSP handles media it is important to consider the different properties a media instance for playback can have. This specification considers the below listed media properties in its protocol operations. They are derived from the differences between a number of supported usages.
 - Media types: On-demand, Dynamic On-demand, Live, Live with Recording
- Added PLAY_NOTIFY and ***Media Properties*** in -18
 - while editing for PLAY_NOTIFY we've seen the need to talk a bit about ***Media Properties***
 - Discussed at the interim
 - PLAY_NOTIFY seemed to be accepted
 - Discussions about Media Properties

Clarify multicast SETUP request [2105351]

- When sending SETUP request to a RTSP server it can either itself indicate the multicast address to use or it can take a destination from the client.
- For Multicast there is several methods for specifying addresses but they are different in how they work compared with unicast:
 - **dest_addr with client picked address:** The address and relevant parameters like TTL (scope) for the actual multicast group to deliver the media to. There are security implications (Section 21) with this method that needs to be addressed if using this method because a RTSP server can be used as a DoS attacker on a existing multicast group.
 - **dest_addr using Session Description Information:** The information included in the transport header can all be coming from the session description, e.g. the SDP c= and m= line. This mitigates some of the security issues of the previous methods as it is the session provider that picks the multicast group and scope. The client SHALL include the information if it is available in the session description.
 - **No dest_addr:** The lack of an explicit multicast group request the server to decide the group address and its scope. For this to work the server needs to have a context about what scope that works. This method is currently under specified.

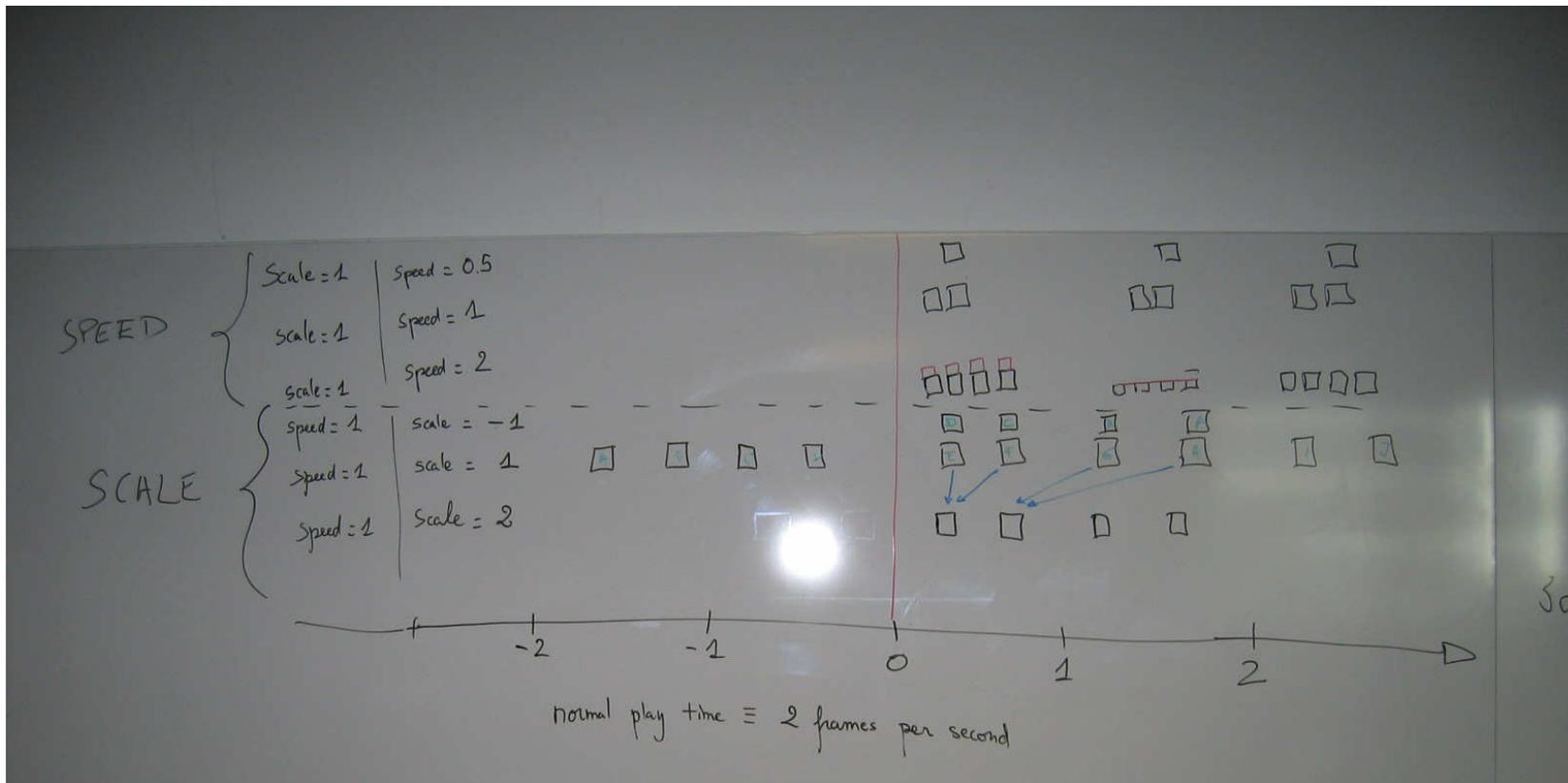
Expires header affect on cachability

[2211817]

- The Expires header (Section 16.22 contains the below paragraph):
 - Expires header field with a date value of some time in the future on a media stream that otherwise would by default be non-cacheable indicates that the media stream is cacheable, unless indicated otherwise by a Cache-Control header field (Section 16.10).
- Is there any purpose for this in RTSP, or could we remove this statement and instead rely on the Cache-Control header?

The "Speed" header [1701457]

- Magnus has received some private questions about how speed is used. I think we might need to improve the explanation on what it does and how it handles timelines.
- Discussed by email and during the interim but no text solution yet.



What's next

- There are many more open issues
 - bugs + feature requests
- Next version with most issues solved planned for end of December 2008
 - Need your help in ironing out the issues!!
 - required for the upcoming interim in January 2009
- Anything missing in the RTSP spec that is CORE?
- Need reviewers NOW!