RTSP 2.0

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Editorials

- Updated references
  - e.g. NTP: RFC 1305 to RFC 5905
- Method names MUST start with $
  - ASCII code (dec.) fixed: 24 to 36
- 465 Notification Reason Unknown
  - missed in ABNF; added

Keying SRTP with MIKEY

- Defined new MIKEY RSA-R mode based keying for SRTP (SAVP and SAVPF) and this is defined in Appendix C.1.4.1.
- “MIKEY: This parameter can be included both in request and response messages. The binary MIKEY message SHALL be BASE64 [RFC4648] encoded before being included in the value part of the parameter.”

New Key Mgmt Error Response

- 466 Key Management Error
  - Section15.4.31.
- “This indicates that there has been an error in a Key Management function used in conjunction with a request. For example usage of MIKEY according to Appendix C.1.4.1 may result in this error.

Overload Control (1/2)

- Add to 503 response
  - “The client MUST honor the length, if given in the Retry-After header.”
- New Section 10.7 on overload control
  - discussing general situation briefly
  - RECOMMENDED to increase the length proportional with the current load of the server
  - RECOMMENDED to not send the same value in the Retry-After header [….] to add a variation the mean value[….].

Overload Control (2/2)

- load balancing RTSP
- server may receive a 503 or a TCP timeout
- what to do if all RTSP servers are overloaded?
- “Any additional request to a specific address MUST be delayed according to the Retry-After headers received. For addresses where no response was received or TCP timeout occurred, an initial wait timer SHOULD be set to 5 seconds. That timer MUST be doubled for each additional failure to connect or receive response.”

Closing Connections

- When the server is allowed to close connection
  - after sending a response
  - after receiving an incomplete message
- draft-23 recommended for incomplete messages **1 second**
  - too aggressive and below TCP timeout
  - RECOMMEDED is 10 seconds

Clarifying Bandwidth Header

- Add explanation why clients might not be able to judge bandwidth
  - client on LAN, connected via xDSL and server somewhere in the Internet
- “It is RECOMMENDED that only clients that has accurate and explicit information about bandwidth bottlenecks uses this header.”
- Not a replacement for proper congestion control!

Content-Location

- Clarified usage of this header
- see full text in Section 16.17

Conclusion

- Open issues fixed
- New draft version needs to be submitted with minor text improvements
- Then WGLC on the changes
  - after IETF meeting