Session Announcement Protocol

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Status

Two drafts since the Oslo meeting:

• draft-ietf-mmusic-sap-v2-02.txt
  – 23 August 1999

• draft-ietf-mmusic-sap-v2-03.txt
  – 21 October 1999
draft-ietf-mmusic-sap-v2-02.txt

- Clarify section on authentication
  - No protocol changes, but clarify the text in the spec
- Better specify announcement interval
  - Algorithms in section 3.1 are new
  - Attempt to specify exactly when announcements should be sent, rather than the vague text before
  - Will discuss further later... feedback is requested!
draft-ietf-mmusic-sap-v2-03.txt

- Remove references to directory sessions
  - Disagreement on how they would work
  - Ross Finlayson will submit a draft describing these for the next meeting
Announcement interval

\[ T_n = T_p + \text{interval} + \text{offset} \]

\[ \text{interval} = \max(300; (8 \times \text{no\_of\_ads} \times \text{ad\_size}) / \text{limit}) \]

\[ \text{offset} = \text{rand}((\text{interval} \times 2 / 3) - (\text{interval} / 3)) \]

Reconsider \( T_n \) if \text{no\_of\_ads} changes before packet is sent; may result in an immediate send, or may delay packet further.
Future directions

• Ready for working group last call
• Publish as experimental RFC
  – Since scaling to very large number of sessions is not well understood (eg: caching architecture, directory sessions)
• Consider updating and moving to standards track eventually