Connectivity Preconditions for SDP Media Stream

draft-ietf-mmusic-connectivity-precon-01.txt

November 9, 2005

Flemming Andreasen (fandreas@cisco.com)
Gonzalo Camarillo (Gonzalo.Camarillo@ericsson.com)
Dave Oran (oran@cisco.com)
Dan Wing (dwing@cisco.com)

History

- -00 version resulted from merge of two other drafts
  - draft-andreasen-mmusic-connectivityprecondition-02.txt
  - draft-ietf-mmusic-connection-precon-01.txt
- WGLC completed without any substantive issues on the -00 version on 9/1/05.
- Subsequently, authors felt that a few changes were warranted and submitted -01.

Changes in -01

- Recommended baseline method for connectivity checks for datagram transports changed from RTP No-Op to ICE:
  - RTP No-Op only works for RTP-based streams
  - RTP No-Op currently requires use of an RTCP-feedback profile ("*AVPF")
  - RTP No-Op does not help with NAT/FW traversal which may hamper connectivity
- This implies a normative reference to and hence dependency on ICE

Changes in -01

- Clarified the procedures associated with using ICE for verifying connectivity
  - Based on pre-release version of ice-06, which subsequently changed. Draft needs to be updated accordingly.

Changes since -01

- Clarified that the semantics of connectivity preconditions do not include verification of the peer you are verify connectivity with
  - For example, in a NAT'ed environment, you could accidentally verify connectivity with somebody else than you thought
    - This is in particular relevant for connection-oriented transports, where ICE is not the baseline.
  - If peer verification is desired, ICE can be used as well.

Next Steps

- Update draft based on ice-06.
- Progress draft in tandem with (or right after) ICE
  - Reissue WGLC when ICE goes to (or completes) WGLC