Binary Floor Control Protocol BIS (BFCPBIS)

Keith Drage <keith.drage@alcatel-lucent.com>

Charles Eckel <eckelcu@cisco.com>

IETF 82 BFCPBIS WG Meeting
November 16, 2011

Note Well

▸ Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

  ▸ the IETF plenary session,

  ▸ any IETF working group or portion thereof,

  ▸ the IESG or any member thereof on behalf of the IESG,

  ▸ the IAB or any member thereof on behalf of the IAB,

  ▸ any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices,

  ▸ the RFC Editor or the Internet-Drafts function

▸ All IETF Contributions are subject to the rules of RFC 5378 and RFC 3979 (updated by RFC 4879). Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult RFC 5378 and RFC 3979 for details.

▸ A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

▸ A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

Logistics

▸ Note-takers

▸ Jabber scribe

▸ Jabber room: xmpp:bfcpbis@jabber.ietf.org?join

▸ Blue sheets

Agenda

- 09:00 BFCPBIS Status Update (Chairs, 20)
- 09:20 Revision of the Binary Floor Control Protocol for use over an unreliable transport, draft-sandbakken-dispatch-bfcp-udp-03 (Charles, 30)
- 09:50 Next Steps (Chairs, 10)
- 10:00 End

Charter

▸ The BFCPBIS working group is chartered to specify a revision of BFCP (RFC 4582) to support using both TCP and UDP as transports. The current version of BFCP only supports TCP, which when both endpoints are behind NATs or firewalls, has a lower success rate than using the ICE techniques with a UDP based transport for BFCP. The need for video endpoints to work in these types of environments is driving a strong need to support a UDP based transport as well as TCP.

▸ This WG will create a revision of RFC 4582 which adds optional support for UDP to BFCP. The security when using UDP will be based on DTLS. The updated protocol will use an existing approach (e.g., stop and wait with a single outstanding transaction) to provide a reliable, congestion safe, and TCP friendly transport.

Charter (cont)

▸ In addition to providing a way for dealing with the reliable delivery of client-initiated transactions, the updated protocol will also be able to deliver server-initiated transactions reliably when needed. The WG will research the size of messages used and decide if fragmenting a request or response over multiple UDP packets is required. The new protocol will be backwards compatible with RFC 4582 when used in TCP mode.

▸ The BFCPBIS WG will coordinate closely with the MMUSIC WG to create a revision of RFC 4583 specifying how BFCP is signaled in SDP so that it supports UDP as well as TCP transports. This WG would ask the MMUSIC WG to add a milestone to create a revisions of RFC 4583 to address signaling the use of UDP in SDP. The WG will coordinate with International Multimedia Telecommunications Consortium (IMTC) and other industry fora.

Milestones

▸ Apr 2012 Draft revision of RFC 4582 to IESG