

MEDIACTRL

Eric Burger
eburger@bea.com

Remote Logistics

- mp3 Feed: SPEAK INTO THE MICROPHONE!!!
 - <http://videolab.uoregon.edu/events/ietf/ietf687.m3u>
- Jabber
 - Server: jabber.ietf.org
 - Room: mediactrl
 - Logs: <http://www.ietf.org/meetings/ietf-logs/mediactrl/>
- Meeting Materials (Presentations, Agenda, etc.)
 - https://datatracker.ietf.org/public/meeting_materials.cgi?meeting_num=68
- Supplemental Web Site (NEW!)
 - <http://www.standardstrack.com/ietf/mediactrl>

Scribes and Transcribes

- Jabber Scribe
 - Shida
- Note Taker
 - Steve

Note Well

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Agenda

- Agenda Bashing (Eric) (7 min)
- Brief Introduction to IETF Standards Process (Eric) (13 min)
- Charter Review (Eric) (15 min)
- Requirements Document (Roni) (45 min)*
- Media Control Framework (Chris/Scott) (20 min)*
- Next Steps (Eric) (15 min)

* First priority is Requirements Document; will take time from other documents if necessary.

The IETF Standards Process

Reading List

- After a meeting or two, worth reading RFC 2026 (The Internet Standards Process -- Revision 3)
- If you plan on opening your mouth, eyes, or listening read BCP 78 (IETF Rights in Contributions)
- If you have IPR, or think you will, read BCP 79 (Intellectual Property Rights in IETF Technology)

You Have a Proposal

- Best way to get a proposal considered is to *write an Internet Draft*
 - Individual submission:
draft-burger-mediactrl-foo
- Internet Drafts have **no standing as an IETF document**
 - Time-limited; anyone can submit anything
 - Technically meaningless
- See <http://www.ietf.org/ietf/1id-guidelines.html>
- **STRONGLY** suggest using xml2rfc to write drafts. See <http://xml.resource.org>

What Happens Next

- Individual Draft becomes a workgroup document
 - draft-burger-mediactrl-foo becomes draft-ietf-mediactrl-foo
- A few things happen
 - The editor is *assigned* by the Chair, serving at the pleasure of the Chair
 - There are many situations where you will **not** be the document editor
 - Review BCP 78 and 79: if you want your proprietary protocol to become a standard, **you will be giving ownership to the IETF**

Problems We Like to Have

- A few steps for publication as RFC
 - id-nits, ABNF checker, IANA registrations
- Work Group Last Call (WGLC)
- Shepherding document (by Chair)
- Shepherding through IESG
- IETF Last Call
- RFC Editor Queue

Charter Review

Charter

- <http://www.ietf.org/html.charters/mediactrl-charter.html>
- What are we talking about?
 - SIP-Controlled, Multifunction IP Media Servers:
One or more of:
 - Interactive Voice Response (IVR)
 - Conference Mixing (RTP Mixer/Relay)
 - VoiceXML Interpreter
 - Not SS7, ISDN, CAS/TDM Intelligent Peripherals

Requirements Document

- This document will identify and enumerate requirements for a suite of media server control protocols. Given that one of the common media server clients is a conference application server, we will consider the application server - media server requirements developed by the XCON work group. Likewise, we will consider media server control requirements from other standards groups, such as 3GPP SA2 and CT1.

Framework Document

- This document will describe the different network elements, their interrelationship, and the broad set of message flows between them.

Protocol(s)

- A protocol suite describing the embodiment of the framework document. There may be separate protocol PDU's for audio conference control, video conference control, interactive audio (voice) response, and interactive video (multimedia) response. The separation and negotiation of different PDU's is a working group topic. However, there will be one and only one (class) of PDU's defined by the work group.

Media Resource Broker

- Means for locating, and possibly establishing sessions to, media servers with appropriate resources at the request of clients. By appropriate, we mean the characteristics of a given media server required or desired for handling a given request. The expectation is such a means would build upon existing SIP, SNMP, and other protocol facilities. Such a means may or may not be an integral part of the item 3 deliverables above. This deliverable is an operational protocol that may rely on management protocols such as SNMP. We are neither creating a new management protocol nor a new provisioning protocol.

Things to be Aware of

- 3GPP
 - ISC and Mr interfaces
 - Occasional discussion of MRF-B
- ATIS/TISPAN
 - Occasional discussion of MRB
- JCP
 - JSR 309: Uniform Java API for Media Server Control
 - Bindings for RFC 4722, MSML, MSCP, ...
 - Binding for MEDIACTRL
 - Valuable to have API; IETF is protocol factory, not API factory

The History

- Group of folks started meeting un-officially over two years ago
- Born from discussions came a list of highly debated Requirements
- Requirements are documented requirements documents (over 2 years old)
 - SIP Control Framework aims to fulfill the appropriate requirements defined (over 1 year old)

Document Discussions

And so it begins...

Requirements Documents

Roni Even
Martin Dolly

Framework and Packages

Chris Boulton

Scott McGlashan

Tim Melanchuk

Asher Shiratzky

Goals and Milestones

May 2007	Requirements Document WGLC
Jun 2007	Requirements Document to IESG (Informational)
Jun 2007	Framework Document WGLC
Jul 2007	Framework Document to IESG (Informational)
Nov 2007	Mixer Control Protocol WGLC
Dec 2007	Mixer Control Protocol to IESG (Standards Track)
Mar 2008	IVR Control Protocol WGLC
Apr 2008	IVR Control Protocol to IESG (Standards Track)
Jun 2008	Broker Protocol WGLC
Jul 2008	Broker Protocol (Standards Track or BCP, TBD)

Thank You

MEDIACTRL