

SIP/SDP overlap with RTSP

(draft-lindquist-mmusic-sip-rtsp-00.txt)

Jan Lindquist
Xavier Marjou
Jouni Maenpaa
Priya Rajagopal

Presentation Outline

- Background
- Motivation
- Overview of protocol interaction
- Protocol Interaction requirements
- Conclusion

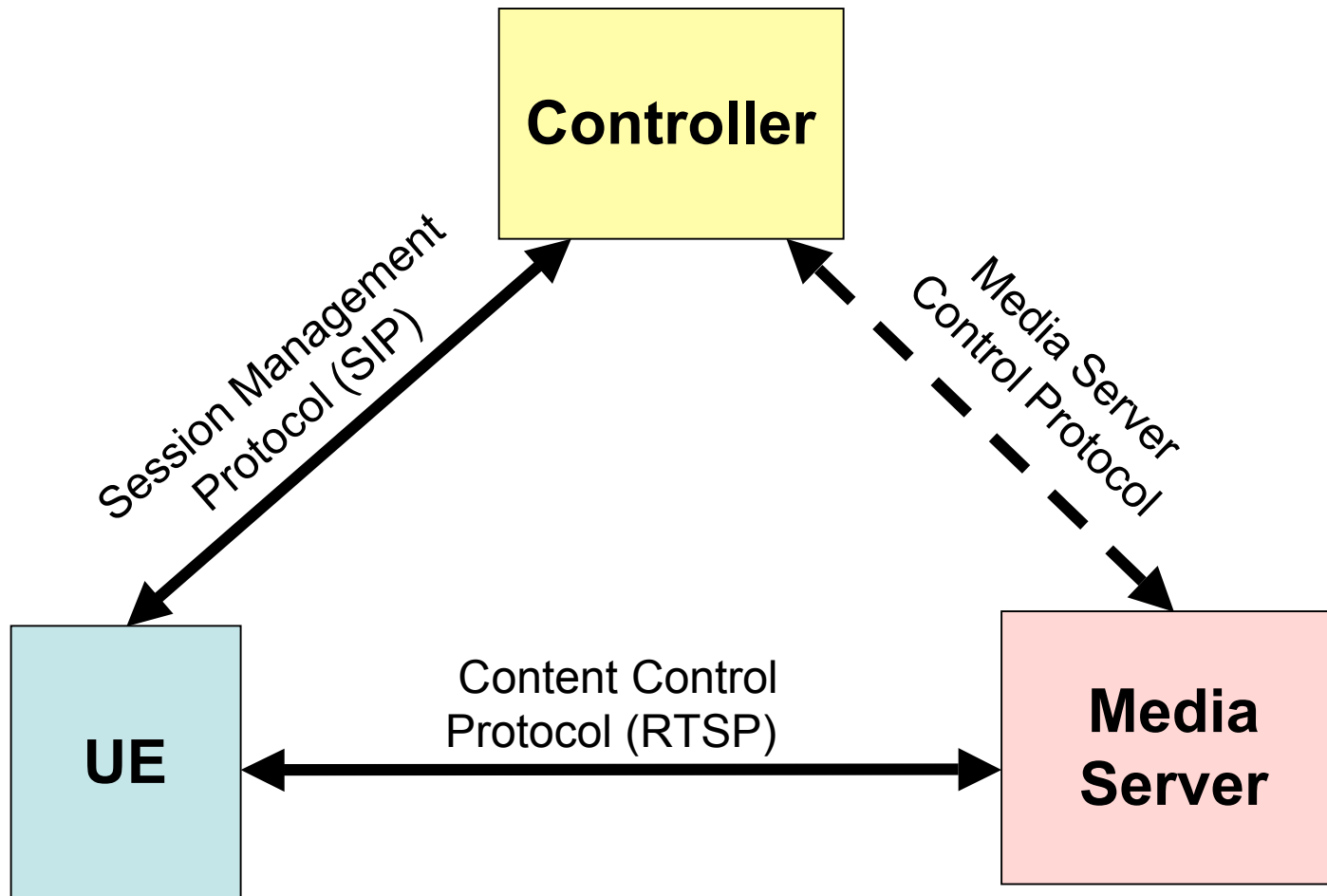
Background

- ETSI TISPAN - "Telecommunications and Internet Converged Services and Protocols for Advanced Networking (TISPAN); IMS-based IPTV Stage 3 Specification", ETSI TS 183 063 v2.1.0 (2008-06).
 - Plug-fest jointed setup with MSF
- 3GPP SA4 - "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; IP Multimedia Subsystem (IMS) based Packet Switch Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) User Service; Protocols (Release 8)", 3GPP TS 26.237 V8.1.1 (2009-03).
- OIPF - "Open IPTV Forum - Release 1 Specification; Volume 4 - Protocols", V1.0 (January 6, 2009).
 - Plug-fest under discussion for later in the year.

Motivation

- Reuse of existing architectures (SIP based but could be other architecture or protocol)
 - Authentication
 - Authorization
 - Accounting
 - Security
 - Network resource management
- Advanced media applications
 - Service blending with other SIP based on presence and instant messaging

Overview of protocol interaction



Protocol interaction requirements

Focus on Session Management Protocol and Content Control Protocol.

- REQ-1 The content control protocol needs to be able to access and use resources that have been configured and established by the session management protocol (e.g. IP address/port).
- REQ-2 The session management protocol is responsible for negotiating media transport related information.
- REQ-3 The session management protocol and the content control protocol need to perform session termination in a coordinated way.

Conclusion

- Ongoing work in other standard forums (ETSI TISPAN, 3GPP, OIPF, OMA, etc)
- The "Session Management Protocol" may be based on SIP or other protocol.
- Suggestion for way forward:
 - Analyze interworking between RTSP and SIP/SDP
 - Consider extensions to RTSP
 - Define new SIP SDP attributes
- Should a WG item be created for this work?