

Media Resource Control Protocol(MRCP)

Introduction

- MRCP is a protocol specifically designed to address the need for client control of media processing resources such as ASR and TTS engines.
- It is a text based protocol very similar to RTSP or SIP.
- The current draft depends on a protocol like RTSP or SIP to setup the media session between the client and the server.
- It was designed with the specific goal of being extendable in the future to address SI/SV.
- It supports efficiently allocating these resources in parallel so that they feed from and into a single media pipe.
- It has multiple interoperable implementations.

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Open Issues

- MRCP section of the compliance document needs to be updated to make the evaluation consistent with other sections(Discussed on the mailing list).
- Need to create or adopt a session level protocol(like SIP or RTSP) capable of creating a control pipe and a media pipe, and then extend it with MRCP messages(to remove need for tunneling)
- Need to add support for global or shared grammars to MRCP.
- Need to add MRCP resource extensions for SI/SV.
- Consider how resources like the recognizer can be modularized and chained.