

SIP URI Conventions for Media Servers

IETF 51

What is This About?

- Standard Conventions for Accessing Media Server Resources
- How Does One:
 - Play Announcements
 - Create and Control Conferences
 - Setup Transcoding
 - Perform Interactive Voice Response (IVR)
 - *Etc.*

Do We Already Have This?

- RFC 3087 – Informational
 - Introduces Idea of Using Request-URI for “Doing Things”
 - Example is an Application (Voice Mail)
 - Ad Hoc, Per Application LHS Definitions
- draft-rosenberg-sip-vxml-00.txt
 - Ad hoc Use of LHS of Request-URI to Access Media Server Functions for VoiceXML

The Point

- Schema for Defining Access to Resource Functions
 - Extensible
 - Human and Machine Readable
- Standard Mechanism for Specifying a “Service Indicator”

Media Server URI Format

- LHS of Request-URI is a Service Indicator
 - Service Name (annc, conf, xcod, vxml, ...)
 - Service Instance (conference-id, #URL)
- Direct Analogue to User at User Agent
 - The Service is a Thing at the Media Server That Performs Useful Work

`conf=conference24@ms.carrier.net`

Unhappy Path

- Unrecognized / Malformed Service Name
 - 488 Not Acceptable Here
- Unrecognized Service Instance
 - 404 Not Found
- Invariant for All Services

Open Issue: Dots, Dashes, Equals, or Something Else?

- RFC 3087 Showed Dashes by Example
 - No Distinction Between Service Name and Parameters
 - Examples Hard to Parse: Service Name Embedded in Request LHS
- draft-rosenberg-sip-vxml-00.txt Showed Dots by Example
 - Service Name Comes First
 - No Distinction Between Service Name and Parameters

Propose Equals

- Distinguishes Service Name from Parameters
- Obvious to Human What is Being Requested
- SIP UAS Only Needs to Understand a Single Parser

Issue: Draft Title

- It's Not Just for Media Servers
- Example: Using xcod for Human Speech-to-Text (draft-vanwijk-sipping-deaf-req-00.txt)

Changes in –01 Planned

- Drop Request-URI Password Discussion
- Reference Bis Everywhere Instead of 2543
 - 488 Reason Code
- Tidy Abstract
- Drop the X- token

Discussion on List

- SIPPING Thread

Dots, Dashes, Equals, or something else in SIP Service Request-URI's