Media Resource Broker

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Status Update

• Released first MediaCtrl WG version of the document
• Continued definition of MRB publishing interface
• Completed ‘in-line’ MRB strawman proposal
  – Published proposal for comment - http://tinyurl.com/mu3w7r
In-line MRB Strawman

- Current proposal based on key assumption
  - The mechanisms defined for interaction between client and MRB remain consistent for both Query and In-line model.
    - Why have two methods?
  - For ‘in-line’ MRB only transport changes
    - SIP as opposed to HTTP used for standard Consumer interface definition
In-line MRB Strawman (Cont)

• In-line Unaware MRB Mode (IUMM)
  – Included for completeness to allow deployment of MRB entity in existing networks
  – Works with existing deployed applications without code modification
  – Makes decisions based on MRB intelligence and information provided from Media Server Publishing interface
In-line MRB Strawman (Cont)

• IUMM has the following properties:
  – From Application Server perspective just a SIP compliant entity
    • No different to a normal Media Server directed request
  – From Media Server perspective a fully functional MRB entity
    • Implementation of full MRB Publishing interface to gather Media Server information
In-line MRB Strawman (Cont)

• Inclusion of IUMM concept is important for MRB adoption and migration
  – Does the group agree?

• Are there any important details related to IUMM that are not present in the current strawman version?
In-line MRB Strawman (Cont)

• In-line Aware MRB Mode (IAMM)
  – Included to allow deployment of MRB for use by clients that comply to this specification
  – Makes decisions based on detail provided by the resource consuming client and information provided from the Media Server Publishing interface
In-line MRB Strawman (Cont)

• IAMM has the following properties:
  – Allows client requiring media services to include appropriate contextual information in a request for media services
  – Re-use of XML schema defined for use with Consumer interface
    • Provides consistency in tool kit model
    • Simplifies decision logic of underlying MRB
In-line MRB Strawman (Cont)

• IAMM – How is this achieved:
  – Client of media services constructs INVITE request to connect to MS
  – Uses MIME content type of multipart/mixed
    • Include application/sdp part for connecting to a media server (as per Media Channel Framework
    • Include application/mrb-consumer+xml part providing MRB with contextual information
In-line MRB Strawman (Cont)

• IAMM – How is this achieved (cont):
  – MRB receives INVITE request and extracts the MIME content type of multipart/mixed
    • Uses application/mrb-consumer+xml part to help make Media Server decision
    • Uses application/sdp part to construct new SIP INVITE which is then sent to the selected Media Server (B2BUA)
INVITE application/sdp and application/mrb-consumer+xml

*****MRB*****
***Decision***

INVITE application/sdp
In-line MRB Strawman (Cont)

• Is the group happy with this approach?
  – Any problems from a SIP signalling perspective?
    • Multipart/mixed type?
    • B2BUA?

• Feasible alternatives?
In-line MRB Strawman (Cont)

• Consumer interface has the ability to ‘update’ a request to provide additional contextual information to an existing request
  – To align with Consumer interface the IAMM should include request ‘update’ mechanism
  – Is the use of re-INVITE and UPDATE acceptable?
Publish Interface

• Some progress made on publishing interface since IETF 74
  – 11 of the group suggestions sent to list with suggested definitions to be used in specification
  – Still another 17 to go + any new ones that emerge
  – Need to progress in parallel with In-line work
Publish Interface

• Editors suggestion:
  – It would be good to set up a dedicated team to nail down the rest of the Publishing interface
  – Volunteers required with expert Media Server experience to help populate interface properly

STEP FORWARD PLEASE!!!!
Next Steps....

• Publish new version of draft
  – Contains updated In-line MRB text
  – Current Publishing interface details
• Publish interface team to collaborate and produce Publish interface detail
• Progression of Publish interface will feed into light weight Consumer interface