



Global-MMCS: Global Multimedia Collaboration System

The goal of the GlobalMMCS project is to build a service-oriented collaboration system based on the Web-services framework. The system will provide scalable, reliable, pervasive, and persistent multimedia collaboration services to heterogeneous clients. Collaboration tools include audio-video conferencing, shared display, white board, and text chats.

GlobalMMCS capabilities include:

- Support for H.323, SIP, and Access Grid protocols
- Audio and video mixing services combining streams for clients like PDA's and Polycom that only support one stream
- Codec version to RealVideo
- XGSP, a generic XML-based session management system
- Support for mobile devices
- Use of NaradaBrokering for both control and data streams
- Java clients
- Servers support several hundred clients per Linux server scalable indefinitely using NaradaBrokering's distributed network
- Instant replay allowing annotation and rewind/forward of real-time streams (January 2005)

The GlobalMMCS integrates video, web camera, and Polycom via video feeds.

Cell phone display shows four live video feeds.

PDA and PC with shared, scalable whiteboard.

www.globalmmcs.org

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