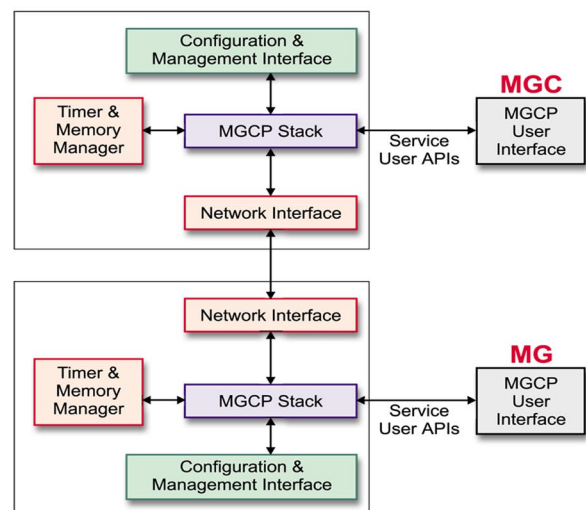# CoMGCP

For signaling between MG and MGC in a decomposed architecture

Product overview

MGCP Stack is a communication protocol between Media Gateways (MG) and Media Gateway Controllers (MGC) based on RFC 2705 BIS. One layer of stack lies on MG and other one on MGC. Interaction between MG & MGC is based on MGCP command and its mediatory response.

Product features

- Supports multiple Media Gateway Controllers and Media Gateway Controller stack supports multiple MGs.

- Supports wildcarding.

- Supports the SDP parameters describing audio and data access circuits.

- Supports ATM extensions for SDP in compliance, with RFC 3108.

- Supports one level of embedding of commands.

- Takes care of sequencing requirements in case of embedded commands.

- Uses default port 2727 for Media Gateway Controller and 2427 for MG.

- Preserves last n second, transaction responses. (exact value of n is configurable, initially it will be 30 seconds)

- Transmission procedures implement 'At-Most-Once' functionality.

- Supports three-way handshake.

- Supports piggybacking of messages.

- Computes retransmission time using random component and exponentially increasing component.

- Supports provisional responses.

- Supports extension verb and extension parameters.

- Stack also provides for-

    - Error handling

    - Statistics collection

- Support of following packages for signaling and event detection:

    - Generic Media Package.

    - DTMF Package.

    - MF Package.

    - Trunk Package.

    - Line Package.

    - Handset Package.

    - RTP Package.

    - Network Access Server Package.

    - Announcement Server Package.

    - Script Package.

    - Supplementary Services Tone Package.

    - Digit Map Extension.

    - Media Format (FM) Package.

    - Resource Reservation Package.

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