

SBC/S5000

Session Border Controller

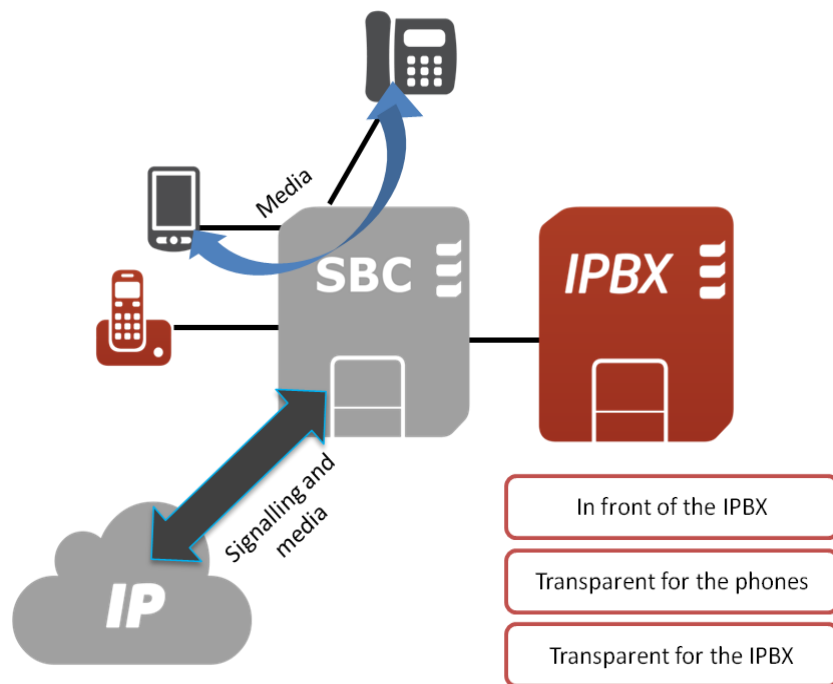


Fig. 1: SBC environment

Overview

The SBC/S5000 (or Session Border Controller) is one of the many advanced functionalities of the S5000 communications manager, that goes in front of the enterprise IPBX.

It is completely transparent, for the IPBX or the phones (no configuration requested).

It offers five main actions: the telephonic network **securisation** (protection against attacks, malware calls, etc), the adding of the **confidentiality** (encryption, SRTP, maintenance of the media flow) and the **alleviation** of the IPBX.

Besides the SBC/S5000 completely manages the media **transcoding** (eg G722/G711) and protocol ones (H323/SIP). **The network topology** is also hidden from the outside.

The S5000 SBC softswitch acts as a controller for the SIP signalling and the media (RTC/RTCP/SRTP) by going between the VoIP phones and the IPBX. The encryption of the signalling and the media can be activated independently to encrypt entirely or just a part of a communication.

Technical characteristics

- SIP Signalling
- All codecs
- Encryption for the signalling: TLS
- Encryption for the media: STRP/AES
- Compatible with every IPBX of the market

To order

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