

Interfacing with VoIP using osmo-sip-connector

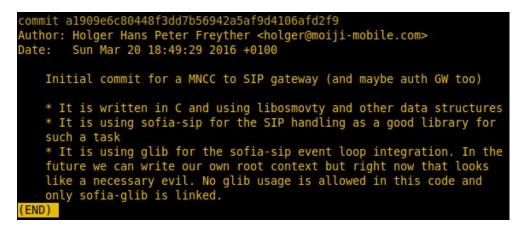
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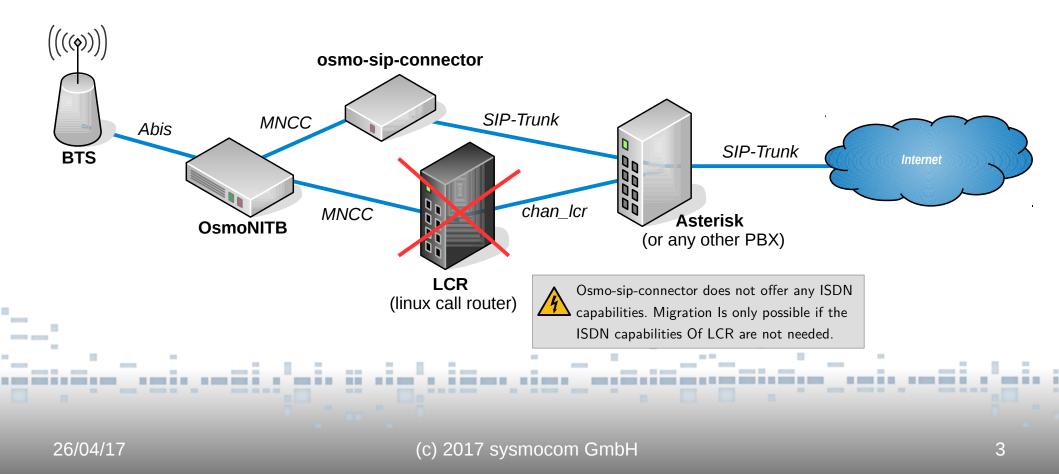
osmo-sip-connector - introduction

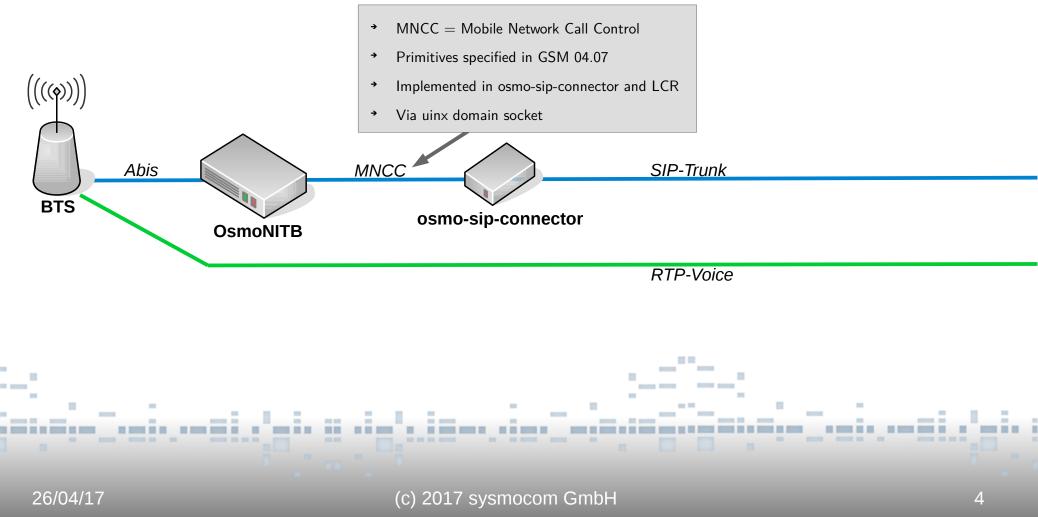
Project started approximatly one year ago:

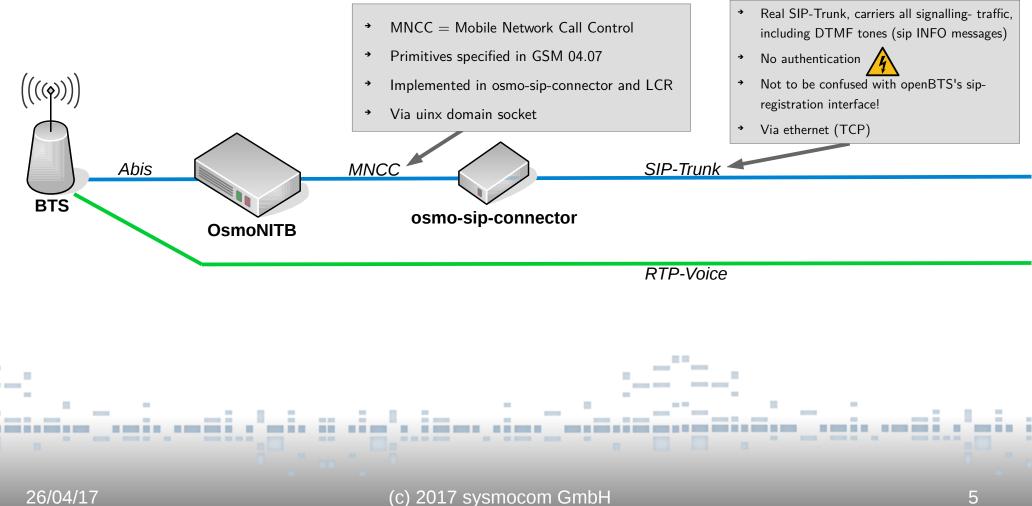


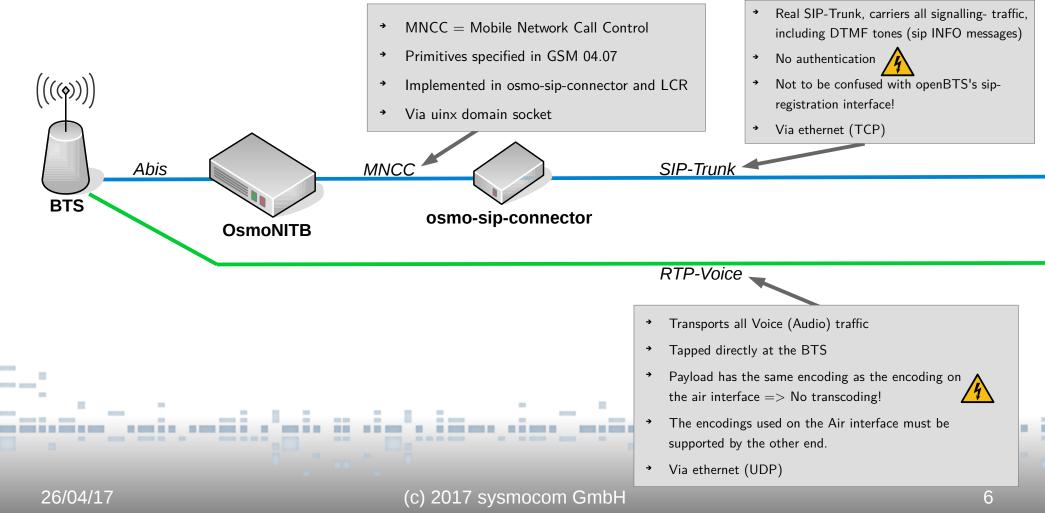
- Adds a SIP-Trunk interface to OsmoNITB and OsmoBSC, allowing to connect OsmoNITB and OsmoBSC to be connected to any Voip PBX that supports SIP-Trunks
- Replaces the rather complicated LCR approach with a much simpler to use SIP-Only solution

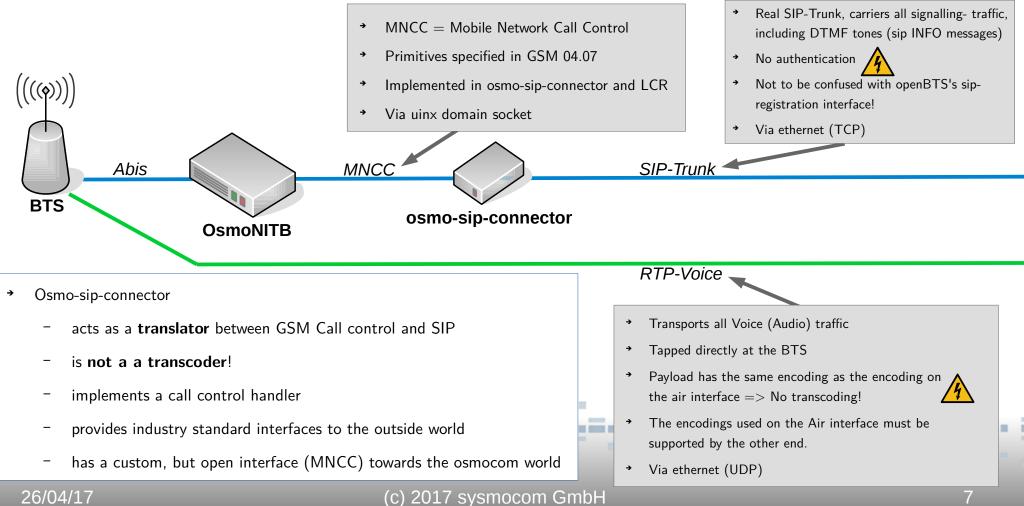
Layout of a typical network













Configuration: osmo-nitb

- OsmoNITB's internal MNCC handler is disabled and the MNCC socket interface is activated, from now on external MNCC handlers like osmo-sip-connector or LCR are able to take over call control.
- Add commandline option -M /path/to/my/mncc-socket
- The osmo-nitb configuration file is not touched.

Commandline:

osmo-nitb -c ./osmo-nitb.cfg -p ./osmo-nitb.pcap -l hlr_1.sqlite3 -M /tmp/bsc_mncc



Configuration: osmo-sip-connector

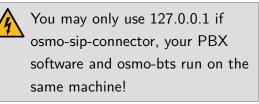
Config file: osmo-sip-connector.cfg



Commandline:

sudo osmo-sip-connector -c ./osmo-sip-connector.cfg

- Set up the path to your mncc-socket
- Set local sip IP-Address and port number
- Set remote (PBX) IP-Address and port number



- ✤ Start osmo-sip-connector
- ✤ Startup order does not matter



Resources

 Detailed howto and example configs can be downloaded at: https://osmocom.org/projects/osmo-sip-conector/wiki/Osmo-sip-connector

