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## Channel Khomp/ChangeLog/4.3

Khomp - Todos os direitos reservados

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## Releases

### Build 005 (03/09/2015)

Khomp Channel 4.3\_005 (rev. 8448)  
K3L API 3.3.5 (rev. 24242)

#### Fixed

- The first incoming call on a fxo channel could lock the channel. (K3L)
- Calls made in a GSM channel just after a user busy failed call could block the channel. (K3L)
- Double-seizure on FXO could leave the line at off-hook state. (K3L)

### Build 004 (13/08/2015)

Khomp Channel 4.3\_004 (rev. 8448)  
K3L API 3.3.4 (rev. 23937)

#### Fixed

- Set of dialplan variable **KOutgoingChannel**;
- Send of **orig\_addr** (number of A) in outgoing calls;
- Crash with cyclical allocation (\*);
- Attempt to call a invalid (or busy) channel would make the call leave through the last used channel;
- A specific concurrency between a remote disconnect and a new outgoing call on GSM could lock the channel. (K3L)
- KWebMonitor update wasn't refreshing the call informations on Device and Link monitoring. (K3L)

### Build 003 (25/06/2015)

Khomp Channel 4.3\_003 (rev. 8368)  
K3L API 3.3.3 (rev. 23421)

#### Fixed

- Logs capture when using Ncall (Asterisk interface);
- Crash with double "khomp channels disconnect" command;
- Locked channels using pendulum;
- Invalid CM\_PRE\_CONNECT command on hangup;
- Crash with module reload under heavy load;
- In some cases changing between ISDN signalings wasn't releasing the channels (K3L);
- Special GSM0 3.38 characters could invalidate an SMS in some cases (K3L);
- FXO channel was generating more than one EV\_CONNECT event for the same call (K3L);
- Wrong ring cadence generation on FXS when passing ring\_on\_ext="0" ring\_off\_ext="0" values (K3L);
- Reestablishment of ISDN calls after a link interruption wasn't connecting the audio (K3L);
- Dialing digits of FXO could overrun to the next call (K3L);

- Concurrency of incoming and outgoing GSM calls could lock the channel (K3L);
- CallAnalyzer's ClassifyUnknownAnsweringMachine config could classify silent answers as HumanAnswer (K3L);
- Some cases of registry failure on GSM channel start up wasn't resetting the modem (K3L);

#### Changed

- Default audio-packet-length option to 160;
- Visual and usability improvements of KWebPortal statistics (K3L);

#### Added

- Report device state by Serial number;
- Report device state of channel groups;
- PCI/PCI-E drivers support for Linux Kernel 4 (K3L);
- GSM missed calls event during an ongoing call (K3L);

## Build 002 (24/04/2015)

Khomp Channel 4.3\_002 (rev. 8261)  
K3L API 3.3.2 (rev. 22750)

#### Fixed

- Reset of links in Elastix interface;
- Volume configuration on incoming calls;
- Locked channels using R2 (K3L);
- Receiving of SMS in GSM channels (K3L);
- Wrong hook detections in FXS channels (K3L);
- GSM channel locked in registry error (K3L);
- Reset of EBS on the KWebPortal (K3L);

## Build 001 (09/03/2015)

Khomp Channel 4.3\_001 (rev. 8238)  
K3L API 3.3.1 (rev. 22073)

#### Fixed

- Hangup and ringback behaviour in some situations in R2;
- Multiple network interfaces now appear in KIBS configuration on KWebPortal;
- CLI> khomp channels disconnect in FXS channels;
- Custom cadences with dahdi dial compability;
- Type of r2 disconnection when disconnecting calls by drop\_on;
- Uninstall of channel on Elastix;
- Crash when passing a invalid PARENT name;
- Echo canceller was not being enabled in some situations after a transfer;
- Error log when dialing through console dial;
- Audio problem in Asterisk 13 due incorrect codec negotiation;
- Ring problems with FXS channels.

#### Changed

- KWebPortal monitoring refresh rates changed to 2s, 10s and 30s;
- Diagnostic logs download options changed to 24h and 48h.

#### Added

- Circular allocation (option 'A');
- Option 'linefeed' to allow '\n' to be passed on through KSendSMS on AMI;
- Definition of custom variables for a channel, setvar option;
- Send of SMS directly by ast\_channel\_tech API;
- Support to namedcallgroup and namedpickupgroup options.

# Build 000 (27/01/2015)

Khomp Channel 4.3\_000 (rev. 8157)  
K3L API 3.3.0 (rev. 21577)

## Fixed

- Log activation in web interface;
- Setting of variable KOutgoingChannel;
- Cyclic allocation (\*) performance with lot of channels;
- Setting of variable KCallAnswerInfo;
- Reset link for E1 boards was just disabling the link;
- Some invalid EBS Modular configurations was being accepted in KWebPortal config.

## Changed

- KWebPortal monitoring refresh rates changed to 2s, 10s and 30s;
- Diagnostic logs download options changed to 24h and 48h.

## Added

- Support to **Call Completion Supplementary Services (CCSS)**;
- Extra field named **Extra** to the hangup Event on CEL, informing which channel has requested the disconnection;
- Option to read the freebpx callerid configuration of FXS Extensions on Freebpx/Elastix;
- Support for CentOS 7;
- Option to send DTMF through AT commands on GSM channels.

# New Features

- Support to **Asterisk 13**;
- Support to **Asterisk 12**;
- **Cyclic allocation by call time** (Option O);
- Support for **T1** on EBS-E1 devices.
- EBS-Modular with support for uBlox modems.
- Performance enhancements on digital R2.
- New SNMP MIB on KQueryServer.
- KWebPortal:
  - Graphical statistics.
  - Log analyser for R2 and ISDN.
- Support to send/receive SMS with **UCS2** alphabet.