How to repair crashed tables

Applies to VoipNow 3 and newer!

After running out of disk space or after similar unexpected events, database tables often become corrupted. Depending on the table that has crashed, this can affect various system functions. To identify and fix the issue, follow the steps below.

Step-by-step guide

Identify the issue

Usually you can find this issue in the logs. For example, when Asterisk tries to read the call_history table, it reports a message similar to the one below.

```
MySQL server error.SELECT SUM(duration) AS in_sum FROM call_history WHERE start >= '2015-01-01' AND start <
ADDDATE('2015-01-01', INTERVAL 1 MONTH) AND flow = 'in'Table 'call_history' is marked as crashed and should be
repaired
```

As a result, reports will not work.

```
mysqlcheck -u`cat /etc/voipnow/.sqldb | awk -F ":" '{print $2}'` -p`cat /etc/voipnow/.sqldb | awk -F ":" '{print
$3}'` voipnow call_history
```

When the table is OK, the output is this:

```
voipnow.call_history                                OK
```

You can also perform a check on all tables (beware that this will create load on the system):

```
mysqlcheck -u`cat /etc/voipnow/.sqldb | awk -F ":" '{print $2}'` -p`cat /etc/voipnow/.sqldb | awk -F ":" '{print
$3}'` voipnow
```

Fix the crashed table

To fix the table, simply log in to MySQL.

```
mysql -u`cat /etc/voipnow/.sqldb | awk -F ":" '{print $2}'` -p`cat /etc/voipnow/.sqldb | awk -F ":" '{print $3}'`
voipnow
```

And run:
`MariaDB [voipnow]> repair table call_history;`

Related articles

- Troubleshooting fax session failures caused by incorrect negotiation of T38FaxMaxDatagram parameter
- Troubleshooting calls and debug steps
- How to use SIP trunking to connect a PBX to an extension
- How to debug Asterisk and Kamailio
- How to solve audio issues caused by Asterisk timing configuration in VoipNow