SMS outgoing gateway for Huawei E173 and Mobigater

Gammu acts as the SMS backend engine. Gammu can be installed as a standalone daemon or interfacing a MySQL database.

If Gammu is used without a database backend. SMSs can be send invoking gammu from the command line. The Freedom Fone SMS Vendor Class for Gammu, places SMS sending requests into Gammu MySQL backend.

Installing Gammu and Gammu SMS Daemon

In Ubuntu 12.04, the package is version 1.31
#sudo apt-get install gammu gammu-smsd
#sudo cp /usr/share/doc/gammu/examples/config/gammurc /etc/gammurc

Detect your GSM modem

Both the Huawei and the Mobigater use the AT commands interface. Run the command

#gammu-detect -d | grep -v \; > /etc/gammurc

And check the results of /etc/gammurc

Verify that your modem is detected using

#gammu identify

Mobigater

Device : /dev/ttyACM0
Manufacturer : SIMCOM_Ltd
Model : unknown (SIMCOM_SIM300)
Firmware : Revision:1008B10SIM300M32_SPANSION
IMEI : 12345678901
SIM IMSI : 1234345785487483

Huawei E173

Device : /dev/ttyUSB0
Manufacturer : Huawei
Model : E173 (E173)
Firmware : 11.126.83.00.00
IMEI : 3323256778867412
SIM IMSI : 1234345785487483

In general the default devices identifiers are /dev/ttyACM0 for Mobigater and /dev/ttyUSB0 for Huawei E173

Configuring Gammu SMS Daemon

#sudo apt-get install mysql-server

#mysqladmin –u root create smsd –p
#cd /tmp; gunzip /usr/share/doc/gammu/examples/sql/mysql.sql.gz
#mysql -u root -p smsd < mysql.sql
#mysql -u root -p smsd

#mysql> CREATE USER 'smsd'@'localhost' IDENTIFIED BY 'PASSHERE';

#mysql> GRANT SELECT, INSERT, UPDATE, DELETE ON smsd.* TO 'smsd'@'localhost';

Edit /etc/gammu-smsdrc

[gammu]
port = /dev/ttyACM0
;port = /dev/ttyUSB0
connection = at

[smsd]
RunOnReceive =
service = sql
driver = native_mysql
LogFile = syslog
user = smsd
password = PASSHERE
pc = localhost
MaxRetries = 5

database = smsd