

Kannel Installation Guide

1. Install mysql database using YUM

```
yum install mysql
```

```
yum install mysql-server
```

```
yum install mysql-devel
```

2. Install apache server

```
yum install httpd
```

3. Install phpmyadmin using yum, for this first we have to add rpmforge repository .

1. Create a directory to save downloaded files

```
mkdir Downloads
```

2. Change to Downloads directory

```
cd Downloads
```

If you are unsure of which one to use you can check your architecture with the command **uname -i**

For i386 centos

3. Download the rpmforge-release package

```
wget http://packages.sw.be/rpmforge-release/rpmforge-release-0.5.2-2.el5.rf.i386.rpm
```

4. Install DAG's GPG key

```
rpm --import http://apt.sw.be/RPM-GPG-KEY.dag.txt
```

5. Verify packages to be installed

```
rpm -k rpmforge-release[press tab to complete]
```

6. Install rpmrepo

```
rpm -i rpmforge-release[press tab to complete]
```

7. Install htop

```
yum install htop
```

3. To install kannel libxml2 and gcc is needed

```
yum install libxml2
```

```
yum install libxml2-devel
```

```
yum install gcc
```

4. Download stable version of kannel tar file

```
wget http://www.kannel.org/download/1.4.3/gateway-1.4.3.tar.gz
```

5. Extract downloaded kannel tar file

```
tar -xvzf gateway-1.4.3.tar.gz
```

6. Change to extracted directory gateway-1.4.3

```
cd gateway-1.4.3
```

7. Compile kannel with mysql

```
./configure --with-mysql --with-mysql-dir=/var/lib/mysql --enable-start-stop-daemon
```

8. Make installation file

```
make
```

9. Install kannel

```
make install
```

SQLbox Installation Guide

1. Install kannel stable version

2. To install sqlbox libtool and automake is needed

```
yum install automake
```

```
yum install libtool
```

yum install gcc

2.Download stable version of sqlbox tar file

wget <http://www.kannel.org/~aguerrieri/SqlBox/Releases/sqlbox-0.7.2.tar.gz>

3..Extract downloaded sqlbox tar file

tar -xvzf sqlbox-0.7.2.tar.gz

4. Change to extracted directory sqlbox-0.7.2

cd sqlbox-0.7.2

5.Bootstrapping sqlbox

./bootstrap

6.Compile sqlbox

./configure

7. Make installation file

make

8. Install sqlbox

make install

Configuring bearerbox smsbox and sqlbox

1. Create configuration files kannel.conf and sqlbox.conf in usr/local/sbin directory ie kannel installation direction

1.Change directory to /usr/local/sbin

cd /usr/local/sbin/

2.Create configuration files kannel.conf and sqlbox.conf

nano kannel.conf

nano sqlbox.conf

to save edited data press **Ctrl o**

to exit press **Ctrl z**

3.Kannel starting order

bearerbox<--->sqlbox<--->smsbox

4.Starting bearerbox in 1st terminal

bearerbox -v level kannel.conf

5.Starting sqlbox in 2nd terminal

sqlbox -v level sqlbox.conf

6.Starting smsbox in 3rd terminal

smsbox -v level smsbox.conf

Sample configuration files

kannel.conf

```
#
# THIS IS A SAMPLE CONFIGURATION FOR SMS KANNEL
#
# Modified by Donald Jackson based on the original
# smskannel.conf by
# Kalle Marjola for Kannel project 2001, 2004
#-----
# CORE
#
# There is only one core group and it sets all basic settings
# of the bearerbox (and system). You should take extra notes
# on
# configuration variables like 'store-file' (or 'store-dir'),
# 'admin-allow-ip' and 'access.log'

group = core
admin-port = 13000
```

```

smsbox-port = 13001
wapbox-port = 13002
admin-password = bar
#status-password = foo
#admin-deny-ip = ""
#admin-allow-ip = ""
#log-file = "/tmp/kannel.log"
#log-level = 0
box-deny-ip = "*.*.*.*"
box-allow-ip = "127.0.0.1"
#unified-prefix = "+358,00358,0;+,00"
#access-log = "/tmp/access.log"
#store-file = "kannel.store"
#ssl-server-cert-file = "cert.pem"
#ssl-server-key-file = "key.pem"
#ssl-certkey-file = "mycertandprivkeyfile.pem"

#-----
# SMSC CONNECTIONS
#
# SMSC connections are created in bearerbox and they handle
SMSC specific
# protocol and message relying. You need these to actually
receive and send
# messages to handset, but can use GSM modems as virtual SMSCs

# This is a fake smsc connection, only used to test the
system and services.
# It really cannot relay messages to actual handsets!

group = smsc
smsc = fake
smsc-id = FAKE
port = 10000
connect-allow-ip = 127.0.0.1

#-----
# SMSBOX SETUP
#
# Smsbox(es) do higher-level SMS handling after they have been
received from
# SMS centers by bearerbox, or before they are given to
bearerbox for delivery

group = smsbox
bearerbox-host = 127.0.0.1
sendsms-port = 13013
global-sender = 13013
#sendsms-chars = "0123456789 +-"
#log-file = "/tmp/smsbox.log"
#log-level = 0
#access-log = "/tmp/access.log"

#-----
# WAPBOX SETUP
#

```

```

group = wapbox
bearerbox-host = 127.0.0.1
#log-file = "/tmp/wapbox.log"
#log-level = 0
syslog-level = none
#access-log = "/tmp/wapaccess.log"

#-----
# SEND-SMS USERS
#
# These users are used when Kannel smsbox sendsms interface is
used to
# send PUSH sms messages, i.e. calling URL like
# http://kannel.machine:13013/cgi-bin/sendsms?
username=tester&password=foobar...

group = sendsms-user
username = tester
password = foobar
#user-deny-ip = ""
#user-allow-ip = ""

#-----
# SERVICES
#
# These are 'responses' to sms PULL messages, i.e. messages
arriving from
# handsets. The response is based on message content. Only one
sms-service is
# applied, using the first one to match.

group = sms-service
keyword = nop
text = "You asked nothing and I did it!"

# There should be always a 'default' service. This service is
used when no
# other 'sms-service' is applied.

group = sms-service
keyword = default
text = "No service specified"

```

sqlbox.conf

```

#
# THIS IS A SAMPLE CONFIGURATION FOR SQLBOX
#

group = sqlbox
id = sqlbox-db
smsbox-id = sqlbox
bearerbox-host = *****

```

```
bearerbox-port = *****  
smsbox-port = *****  
sql-log-table = sent_sms  
sql-insert-table = send_sms  
log-file = /var/log/sqlbox.log  
log-level = 0
```

```
group = mysql-connection  
id = sqlbox-db  
host = *****  
port = *****  
username = *****  
password = *****  
database = kannel  
max-connections = 10
```