

Contents

- 1 Send Text Messages (SMS) via your Vodafone/o2 Account
 - ◆ 1.1 Install o2SMS (vodasms)
 - ◇ 1.1.1 To verify the package signature
 - ◇ 1.1.2 Initial Download and initial check for prerequisites
 - ◇ 1.1.3 Install prerequisites
 - ◇ 1.1.4 TestGen4Web-Runner Prerequisite
 - ◇ 1.1.5 Complete Compile of o2sms
 - ◆ 1.2 Config vodasms
 - ◆ 1.3 Usage of vodasms on the CLI
 - ◇ 1.3.1 Typical Way
 - ◇ 1.3.2 Via Message -m
- 2 Forward Emails via SMS Text Message
 - ◆ 2.1 Procmal & Vodasms Notes
- 3 Updating vodasms/o2sms 2010
 - ◆ 3.1 Links and Sources

Send Text Messages (SMS) via your Vodafone/o2 Account

www.vodafone.ie allows you to send 300 free text messages per month, via their website. Instead of having to logon to their website, vodasms (also called o2sms or meteorsms) has been packaged up, via apt, to allow you to send Text Messages via the linux command line.

Install o2SMS (vodasms)

```
vi /etc/apt/sources.list

//Add the following line:
deb http://apt.mackers.com/ unstable contrib

apt-get update
apt-get install o2sms
```

To verify the package signature

```
wget http://www.mackers.com/about/gnupg.key.asc
cat gnupg.key.asc | apt-key add -
```

Now there wont be any warnings when apt-get updating. With apticron, I was getting annoying daily emails about not verifying the o2sms package signature. Its on the following page if you read closely:

<http://www.mackers.com/projects/o2sms/docs/v3/install.html>

Vodasms

So apt.mackers.com is gone for the past few years. To install it, its a little more complicated as it requires doing a little compiling. (I looked into other ways including cpan -i, however doing a wget and a make is the cleanest). The following was done on a vanilla install of debian squeeze.

Initial Download and initial check for prerequisites

```
mkdir ~/o2sms
cd o2sms
elinks http://sourceforge.net/projects/o2sms/files/o2sms-3.36.tar.gz/download #Do a Save
gunzip o2sms-3.36.tar.gz
tar -xvf o2sms-3.36.tar
cd o2sms-3.36
#as per http://o2sms.sourceforge.net/install.html
perl Makefile.PL
#Checking if your kit is complete...
#Looks good
#Warning: prerequisite Crypt::SSLeay 0 not found.
#Warning: prerequisite IO::Socket::SSL 0 not found.
#Warning: prerequisite Net::SSLeay 0 not found.
#Warning: prerequisite TestGen4Web::Runner 0.11 not found.
#Writing Makefile for o2sms
```

Install prerequisites

```
apt-get install libcrypt-ssleay-perl libnet-ssleay-perl libio-socket-ssl-perl
```

TestGen4Web-Runner Prerequisite

```
cd ~/o2sms
wget http://cpan.mirror.cdnetworks.com/authors/id/M/MA/MACKERS/TestGen4Web-Runner-0.11.tar.gz
gunzip TestGen4Web-Runner-0.11.tar.gz
tar -xvf TestGen4Web-Runner-0.11.tar
cd TestGen4Web-Runner-0.11
perl Makefile.pl
#Warning: prerequisite XML::Simple 0 not found.

apt-get install libxml-simple-perl
perl Makefile.pl
make
apt-get install make
make
make install
```

Complete Compile of o2sms

With all the prerequisites installed, all is easy.

```
cd ~/o2sms/o2sms-3.36
perl Makefile.pl
make
make install
```

To verify the package signature

Vodasms

Most files are copied to: /usr/local/bin and /usr/local/share/perl/

Refs:

<http://o2sms.sourceforge.net/install.html>

<http://sourceforge.net/projects/o2sms/forums/forum/917641/topic/3671528>

<http://blogs.gnome.org/muelli/2009/10/>

Config vodasms

From the config, this program knows whether to logon to the vodafone.ie, o2sms

```
mkdir ~/.vodasms
//for o2, mkdir ~/.o2sms
cd .vodasms

vi config
//add the following lines
username yourmobile_no
password yourpassword_to_www.vodafone.ie
alias me yourmobile_no //for an alias 'me'
alias name mobile_no
//optional proxy option:
http-proxy http://proxy.server.com:3128

chmod 600 config
```

Usage of vodasms on the CLI

Typical Way

```
vodasms mobile_recipient
//type in message here
//and here too.
//and end the message with CTRL+D
```

Via Message -m

```
vodasms mobile_recipient -m "type in message here"
//Using the above, txts can easily be scripted
```

Note: If the www.vodafone.ie website is changed, the above script may/maynot work. It should be possible to update the script/utility with apt-get update and apt-get upgrade. Sincere thanks to Mackers.

Reference: <http://www.mackers.com/projects/o2sms/docs/v3/install.html>

Forward Emails via SMS Text Message

Using the above vodasms, we can have procmail forward a copy of the email by SMS Text Message. We also use "formail" which should be on most systems by default, to strip out only the bits of the email we require.

You must setup [procmail](#) to work. Read [procmail](#) for extra information on rules etc.

```
:0 c
* ^From: .*nagios@server.com
| formail -x Subject: | vodasms your_mobile_no > /dev/null
```

Procmail & Vodasms Notes

1. Its :0 c and not :0 c:. The : is to lock the file been processed. As there is no file and its just been piped to a command, there is no colon.
2. formail is used in the above, to ONLY send the Subject of the email. Sending the body for example, which could have html tags in it would waste a lot of text messages.
3. Multiple messages are used if need be.
4. formail -X and -x. The capital X puts the title of the field in the message. E.g. -X Subject = "Subject: subject of email" rather than "subject of email".
5. formail -X From: would be nice, however it will put "<First Lastname> First.Lastname@server.com" wasting a lot of space. Also as the rule above only comes from 1 person, there is no need to show who its coming from.
6. The > /dev/null is so that any errors or output from vodasms is ignored.
7. Make sure that at the top of your procmailrc file you have the correct path if you compiled o2sms manually -> PATH=/bin:/usr/bin:/usr/bin:/usr/local/bin/o2sms

Updating vodasms/o2sms 2010

So it appears that apt.mackers.com is gone and won't be coming back. Until I get the svn method working off sourceforge, a patch was required recently for o2sms. As on the o2sms forum (<http://sourceforge.net/projects/o2sms/forums/forum/917641/topic/3590078>) a patch was available.

```
wget http://www.mattb.net.nz/patches/o2sms/o2smsaction.diff
#patch /usr/share/perl5/WWW/SMS/IE/o2sms.action -i /root/o2smsaction.diff -o /usr/share/perl5/WWW/SM
```

Links and Sources

<http://www.linuxdevcenter.com/linux/cmd/cmd.csp?path=f/formail>

<http://chicks-dig-unix.net/2006/02/07/procmail/>

<http://blogs.linux.ie/kenguest/2005/12/13/email-over-sms/>