

OT: (sort of) controlling the PC via SMS

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2007-10/msg04163.html>

- *From:* Jan Panteltje <pNaonStpealmtje@xxxxxxxxxx>
 - *Date:* Mon, 22 Oct 2007 11:06:19 GMT
-

As part of the alarm system I installed in the server room, I needed a way to send commands to the server (A linux server of course). The alarm system sends me a SMS when something happens, takes pictures of the room, and emails these to several web accessible email accounts. So even if the bad guys take the lot, the police will have their faces.

But sometimes it is needed to 're-arm' the system, or take some other action. So I wrote a small program that runs all the time in the background, and looks for a SMS from my cellphone (GSM).

This works from all over the world, but I tested only via Vodafone the Netherlands.

If you send a SMS like this (in the subject line):
mysecret@xxxxxxxxxxxxx EMAIL do play mymusic.mp3
to number 125, then the PC will play the music...
Of course ANY command will be executed by the PC, this just being an innocent example..
Vodafone Netherlands forwards SMS emails via gin.nl, and their emails have a fixed format.

So here is the program code in C:

You need to do a:

```
useradd mysecret
```

as root, to create a user that can receive email, and you need to have sendmail mail server running to accept emails (use a different name, nobody should know).

```
#include <stdio.h>
#include <stdlib.h>
#include <sys/ioctl.h>
#include <termios.h>
#include <sys/un.h>
#include <sys/file.h>
#include <pwd.h>
#include <errno.h>
#include <getopt.h>
#include <sys/io.h> // for glibc
#include <sys/types.h>
#include <unistd.h>
#include <ctype.h>
```

```
// your GSM number goes in the 000000
```

OT: (sort of) controlling the PC via SMS

```
#define TRUSTED "+31000000000@xxxxxx"

// the name of the user that listens for the sms email, and its location on your PC.
// please define a user name that is less obvious then the 'mysecret' in this example.
#define EMAIL "/var/mail/mysecret"

// Please define a keyword that is less obvious then the 'do ' (space required) in this example, say 'getonwithit ',
// then you can send the text
// getonwithit rm mymusic.mp3

#define KEYWORD "do "

#define READ_SIZE 65535
#define TEMP_SIZE 4096

char *strsave(char *s) /* save char array s somewhere */
{
    char *p;

    p = malloc( strlen(s) + 1);
    if(! p) return 0;

    strcpy(p, s);

    return p;
} /* end function strsave */

int readline(FILE *file, char *contents)
{
    int a, c, i;

    if(debug_flag)
    {
        fprintf (stderr, "readline(): arg
```