# Cracking Tutorial Compilation Vol.1. Converted to PDF

Written by Tikka Wang

- by Tikka, email: - no elite ascii art-- akkit is@hotmail.com -- irc.cocytusuk.org -Software Cracking Issue 1 - Covering the basics

Introduction \_\_\_\_\_

This document is for covering the basics of software cracking.

Why crack software?

I personaly want to crack software because i enjoy the challenge also it feels quite nice making a serial number for something or removing a nag screen. Most cracking tutorials say stuff like, this is only for educational purposes and to an extent i would say this is right but software is extremly expensive and cracked software is distributed so easily accross the internet that its far to easy to just search for a crack on google or use a p2p network.

#### What needs cracking?

- Limited functionality (cant save/print because the menu item is greyed out) Nag screen (asking to be registered every time its loaded for example)
- Serial number (finding a serial number or creating a keygen)
- Dongles (Autocad for example needs a dongle, an electronic key that will be plugged into the back of the pc)

Above i have listed the most common things to fix, there are others date/time locks etc.

### Tools you may need?

OllyDbg/softice - debuger (live debuging)
win32dasm/ida - dissassembler (for dead listings)
UltraEdit32 - hex editor my fav. :)

How do you crack?

Different protections need different techniques. A simple nagging message box could be patched by removing the code from the program. Assembly language uses mnemonics to make up the language,

cmp YOUR SERIAL, REAL SERIAL ADDRESS jе

As a software cracker, your main interest is aimed at the programming above.

jmp = jump to a line of code CMP = compare, used to check real and false serials. je = jump if eual to.

if yourserial = internalserial then showgoodboy()

each mnemonic has an op code.

jz = jump if not equal to.

example:

NOP = 90 ; nop means no operation, it is basicaly a blank space.

I have taken a snippet of dissassembled code from IDA, this is called a dead listing.

text:00404A84 gog ecx text:00404A85 mov edi, eax \_text:00404A87 pop ecx

```
_text:00404A88
                                     edi, edi
                             test
_text:00404A8A
                             push
                                     0
text:00404A8C
                                     short loc_0_404A9A
                             jΖ
                                     offset \overline{aFull}StealthEnabled ; "Full Stealth Enabled"
_text:00404A8E
                             push
 text:00404A93
                             push
                                     offset aThanksForRegisteringFeelFreeToVisitOurWebSiteAtHttp;
"Thanks for registering! Feel free to v"...
_text:00404A98
                         jmp short loc 0 404AA4
_text:00404A9A ; -----
                                    -----
_text:00404A9A
_text:00404A9A loc_0_404A9A:
                                                    ; CODE XREF: sub 0 404A3D+4F#j
                                   offset aRegistrationInvalid; "Registration Invalid"
text:00404A9A
                             push
text:00404A9F
                             push
                                     offset
aTheRegistrationInformationYouEnteredDoesNotMatchOurData; "The registration information you entere"...
text:00404AA4
```

This is what you are up against, confusing shit eh?

i said above that one way to crack would be to NOP out code, its alright for nags and make some programs registered easily.

```
test edi, edi
jz    Jump to bad registration if edi doesnt = 00
push    offset aRegistered; "Registered"
Say thank you because registration was ok
```

if you changed the JZ intruction for NOP's you would effectivly remove the serial checking, whatever serial you entered in to the program would register the program. some programs will enter the CORRECT serial in to the registry and when you restart it will stay registered other times it will restart as unregistered. this would be because some programs will store the FAKE serial you entered into the program and our patch only effects the registration routine not the start up code for checking for the registry key.

```
- by Tikka, email: - - no elite ascii art- akkit is@hotmail.com - - irc.cocytusuk.org - Software Cracking Issue 2 - eat, sleep and dream. -
```

#### Introduction

Since ive been getting back into the swing of things, ive found myself to have a few strange dreams, one was solving a cracking problem in my sleep but couldnt remmember when i woke up and as for tonights episode..

This evening at bout  $9:40\,\mathrm{pm}$  i wake up and think omfg, i have some odd dreams. i tell henson of my dream and thought it would be a laugh to add to my tutorial section as i havent writen my next tutorial. here it is. <Akkit0r> beep <henson> beep beep <Akkit0r> ;/ <Akkit0r> im tired <Akkit0r> been asleep <Akkit0r> ;/
<Akkit0r> i hve really strange dreams <Akkit0r> ;/ <henson> lol <AkkitOr> i do really
<AkkitOr> right one was
<AkkitOr> we tried backing up a car to the endge of a gravil cliff <ARKITUT> we tried backing up a car to the endge or a gravil Cil.
<AkkitOT> (like u get a boat in and our water)
<AkkitOT> and it was summin to do with letting soemthing/one out
<AkkitOT> and being able to get the car back up
<AkkitOT> now we put like (my idea) tempery fencing
<AkkitOT> but its like <ahkkit0r> beach wind breaks
<Akkit0r> with workman metal poles stuck in the ground <AkkitOr> u` <AkkitOr> <Akkit0r> <Akkit0r> <Akkit0r> like so <AkkitOr> but i dont remember that being tested <Akkit0r> but <a href="AkkitOr"> scot from (tv series)</a>) emerdale somehow got hurt at that time <a href="AkkitOr"> and died</a> <Akkit0r> but <Akkit0r> they managed to keep his brain alive,
<Akkit0r> inside a fucking debugger <AkkitOr> i was gonna pay but i saw a friend
<AkkitOr> so i didnt buy batterys
<AkkitOr> sat with her for a minute
<AkkitOr> then woke up
<AkkitOr> is that strange?
<AkkitOr> (and i remembered it all) <AkkitOr> (and i remembered it all)
<henson> ye
<AkkitOr> im putting that on my site
<AkkitOr> cracking tutorial part 2
<AkkitOr> what u recon?
<AkkitOr> warning <henson> oookkkkaaayy

bloody strange eh?

Ive found that you cant get it out of your head, i was thinking bout it at work inbetween thinking i work with cunts lol.

I was also thinking, when i first got into cracking i found many great tutorials on patching, softice breakpoints, nagg screen removing all extremly important.

Problem is i have so much to write and find it difficult to keep it organised enough for text, it is worth searching google for cracking tutorial.

http://neworder.box.sk <-- many documents and articles in many scenes, cracking hacking.

http://astalavista.box.sk <-- security search engine where i found most tutorials from. the box.sk network has many sites, dvd phones and more, at the top of the page is links take a look through the network.

```
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- Software Cracking Issue 3 - Fishing for a serial -
Introduction
After writing an intresting article on dreams i felt a need to bang out another issue. Fishing for a serial number, nice and easy ;)
What do we need?
Target : BossKev.EXE
Website: http://www.sonetics.net
Tools : OllyDbg1.09c
Application intoduction
BossKey is a stealthing application, it will hide your running programs from eyes. Perfect for college students who want to chat in irc all day.
Lets go!
OK, Fire up bosskey and what do we see?
A nag, not only do we have a message box but a help file to close aswell, ARGH!
You will also notice in the message that you can only stealth for 30 seconds at a time.
Now we are inside the program you can see a register button, lets click it and see where it takes us, ahh enter serial.
tikka
1234
click ok -> Your blah isnt on our database.
well isnt that just wonderful!
Ok fire up your debugger and stick in bosskey.exe
Chugg Chugg.. When its ready right click the disassembled code window, Search for -> ALL referenced text strings.
004048C1
                PUSH BossKey.0040B5B0
                                                                             ASCII "Incorrect password"
                                                                             ASCII "The password you entered is incorrect!"
ASCII "https://order.kagi.com/?APO"
ASCII "https://order.kagi.com/?APO"
ASCII "open"
ASCII "pull Stealth Enabled"
ASCII "Thanks for registering! Feel free to visit our web site at
004048C6
00404A12
                PUSH BossKey.0040B588
PUSH BossKey.00407F08
                PUSH BossKey.00407F08
PUSH BossKey.0040B5C4
00404A29
00404A2E
00404A8E
00404A93
                PUSH BossKey.0040B6F0
                PUSH BossKey.0040B688
http://www.sonetics.net for future updates."
00404A9A PUSH BossKey.0040B670
00404A9F PUSH BossKey.0040B5CC
                                                                             ASCII "Registration Invalid"
                                                                             ASCII "The registration information you entered does not match our database. Please
make sure you have entered your user name and serial number exactly as it was given.
"The password you entered is incorrect!"
This isnt what we want, this is when the program is in stealth and user must enter a password to unhide the hidden applications.
Further down we see, ' ASCII "The registration information you entered does not match '.
Click this once and then press F2, F2 will set a Breakpoint(toggle) for when this message is
It is now fine to close the strings window and start bosskey inside teh debugger, to do this click the RUN icon or from the menu bar,
Debug -> Run (F9)
Next you will see the nagging messagebox and help file.
Close them, Click Register and enter tikka, 1234.
On one machine, OllyDBG kicks in here and needs me to click ok but on my other machine its doesnt
irritate me.
When you click ok, the debugger will kick in and you wont see the invalid registration box yet because the debugger stopped the program just before it.
00404A9F . 68 CCB54000 PUSH BossKey.0040B5CC ; ASCII "The registration information database. Please make sure you have entered your user name and serial number exactly as it was given."
                                                                                                        ASCII "The registration information you entered does not match our
Well, it has already checked our fake serial number with the correct one inside the program. It could be a good idea to use IDA and dissassemble bosskey and look its dead listing, Makes it easier to understand what the program is doing.
Lets scroll up in the debugger and see what happens before this message.
00404A8C JE SHORT BossKey.00404A9A
00404A8E PUSH BossKey.0040B6F0
00404A93 PUSH BossKey.0040B688
00404A98 JMP SHORT BossKey.00404A44
                                                                         ; ASCII "Full Stealth Enabled" ; ASCII "Thanks for registering!
00404A9A PUSH BossKey.0040B670
00404A9F PUSH BossKey.0040B5CC
                                                                          ; ASCII "Registration Invalid"
                                                                          ; ASCII "The registration informat
```

just a few lines above we see a conditional jump, JUMP IF EQUAL.
BossKey.00404A9A = Process "BossKey" @ location 00404A9A which in this case points to the

```
invalid serial message
-- begin note -
You are probably thinking lets patch this and make it accept any serial number.

Problem with this would be, when you restart the application it would have the wrong serial
number stored in the registry and will mean the program starts up as unregistered every time. - end note -
Ok lets see if we can find the real registration by setting a breakpoint on the line
00404A8C JE SHORT BossKey.00404A9A
                                                              ; ASCII "Full Stealth Enabled"
00404A8E PUSH BossKev.0040B6F0
using f2 we have set a break point on the line and now need to let the program continue running.
press f9 to run.
Ok, the message will appear saying that we have an invalid serial click ok to close that and click ok again to enter our fake serial.
The debugger will appear and our breakpoint will be there looking at us, When a serial is being generated inside the application memory registered store information. if you look in the registers box (right hand window) you will see our fake username and serial.
EBX = "tikka"
ECX = "1234"
Unfortunatly it seems the real serial is not there so lets trace back up the program some more.
00404A7F CALL BossKey.00404B15
00404A84 POP ECX
00404A85 MOV EDI,EAX
00404A87 POP ECX
00404A88 TEST EDI,EDI
00404A8A PUSH 0
00404A8C JE SHORT BossKey.00404A9A
00404A8E PUSH BossKey.0040B6F0
                                                                ; ASCII "Full Stealth Enabled"
The next most significant line is the call to another line of code inside of BossKey @ 00404B15
Inside this call there could be anything, perhaps the routine to check the serial ;).
set a breakpoint on this line and continue the program again.
we have another couple of breakpoints already just keep them and keep continuing the application until u can get to enter the serial
again.
Click OK, Debugger kicks in.
there are a few ways to navigate through the debugger and the code,
you can step in to calls and jumps.
step over which will still run the same code but instead of following the code into calls that are not important to us like user32 api
calls.
lets Step into the call "00404A7F
                                                 CALL BossKey.00404B15" using F7,
take a look at the first and last lines and notice the
/$ Beginning of call
|. CODE
|$ End of call
this is handy when browsing the code because you can see that easily. also notice the loop in the middle of this call ?
our name is stored inside ECX, EAX is the loop integer. this means that when it wants the next letter in the string it will use this as the pointer.
example
ECX = "tikka"
EAX = 0
MOV DL, BYTE PTR DS: [ECX+EAX+1]
This will put inside DL the letter "i". in BASIC it would look like mid(name, EAX + 1, 1)
This is part of the Algorythm used to generate and compare the fake and real serials.
before the loop it gets our name and fake serial put into corresponding registers.
Altho at this stage only our name is important.
/MOV DL, BYTE PTR DS: [ECX+EAX+1]
                                          ; get the next letter in advance, t(i)kka
 |TEST DL,DL
|JE SHORT BossKey.00404AF0
                                           ; Check to make sure serial has another letter
; if the serial has an odd length if so jump
If the serial number is off odd length then it will multiply edx with 7B (123 in decimal).
after the algorythm it must check to see if our name and serial match the serial that has just been generated;)
 -- begin note
If you would like to watch the algorythm in action you could set a break point on the first line of the loop and step through the code
line by line.
handy being able to see calls and loops easily isnt it :)
00404ABA /$ 8B4424 08
                                  MOV EAX, DWORD PTR SS: [ESP+8]
00404ABE | . 56
00404ABF | . 33C9
                                   PUSH ESI
XOR ECX, ECX
```

```
00404AC1 |. 33F6
00404AC3 |. 8020 00
                                                XOR EST.EST
                                               AND BYTE PTR DS:[EAX], 0
MOV EAX, DWORD PTR SS:[ESP+8]
00404AC6
                 I. 8B4424 08
00404ACA
00404ACC
                 |. 85C0
|. 74 45
                                                TEST EAX, EAX
JE SHORT BossKey.00404B13
                                               JE SHORT BOSSKEY.00404B13
CMP BYTE PTR DS:[EAX],0
PUSH EDI
JE SHORT BOSSKEY.00404AF0
/MOV DL,BYTE PTR DS:[ECX+EAX+1]
ITEST DL,DL
|JE SHORT BOSSKEY.00404AF0
|MOVSX EDI,BYTE PTR DS:[ECX+EAX]
                 1. 74 45

1. 8038 00

1. 57

1. 74 1C

1. 845401 01

1. 84D2

1. 74 14

1. 0FBE3C01
00404ACE
00404AD2
00404AD4
 00404AD8
00404ADA
                                                IMOVSX EDX.DI
00404AE0
                  I. OFBED2
00404AE3
00404AE6
                 |. 0FAFFA
|. 03F7
                                                 |IMUL EDI,EDX
                                                |ADD ESI,EDI
|INC ECX
|INC ECX
00404AE8
                  1. 41
 00404AE9
00404AE9 | . 41 | .1m

00404AEA | . 803C01 00 | CMI

00404AEE | .^75 E4

\NX SHORT BOSSKEY.00404AD4

00404AF0 |> 8A0401 | MOV

00404AF3 | . 5F | POP

00404AF4 | . 84C0 | TEST
                                               |CMP BYTE PTR DS: [ECX+EAX], 0
                                               MOV AL, BYTE PTR DS: [ECX+EAX]
                                                POP EDI
                                                TEST AL, AL
00404AF6
00404AF8
                 |. 74 08
|. 0FBEC0
                                               JE SHORT BossKey.00404B00
MOVSX EAX,AL
                IMUL EAX, EAX, 7B
ADD ESI, EAX
00404AFB
 00404AFE
00404B00
                                                PUSH ESI
                                                                                                                     : /<%X>
 00404B01
                                                PUSH BossKey.0040B708
                                                                                                                         |format = "%X"
                                               PUSH DWORD PTR SS:[ESP+14]
CALL DWORD PTR DS:[<&MSVCRT.sprintf>]
ADD ESP,0C
00404B06
00404B0A
                                                                                                                      ; \sprintf
 00404B10
00404B13
                                                POP EST
 00404B14
The next breakpoint we will set on 00404801 PUSH BossKey.00408708; |format = "%x" reason is that %x means capitalised Hex value. we know that the algorythm is manipulating our text in hex so lets breakpoint here and contine the program.
keep telling the debugger to run untill application lets you enter the serial again, on the third or so go it will continue out of the break points we set earlier.
click ok in the registration dialog to enter our name and serial.
dont bother stepping into the call just press F9 (run)
and the debugger will stop at our last break point, format = "%X".
We see nothing in the registers so lets step over the code F8.
lets keep stepping over any calls we find, we will come to RETN which will return the code
back to the calling routine keep stepping and try to watch the box under the disassembled code window while watching this aswell to see
whats happening.
7 presses of F8 after the breakpoint on 00404B01 PUSH BossKey.0040B708
                                                                                     ; |format = "%X"
; /s2 = "8AE8"
                                                                                                                     ; \ mbscmp
EAX hold the generated serial ESI holds our fake one
; /s2 = "8AE8"
i hope you have had fun ;)
```

```
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- Software Cracking Issue 4 - Looking at a keygen
Introduction
 This is going to be a follow up from the serial fishing example in the last issue, using the same
I plan to make this tutorial small as its 5am and i should be in bed;) besides im sure i covered plenty in the last issue so use it for reference if you need.
Converting from asm to c
00404ABF XOR ECX, ECX
                                                                              ; ecx = 0
; esl = U

10404AC3 AND BYTE PTR DS:[EAX],0

10404AC6 MOV EAX,DWORD PTR SS:[ESP+8]

10404ACA TEST EAX,EAX

10404ACA JE SHORT BossKey.00404B13

10404ACB CMP BYTE PTR DS:[EAX],0

10404AD1 PUSH EDI

10404AD2 JE SHORT BossKey.00404AF0

; esl = U

1 nothing really happening

2 moving stuff around, doesnt affect us for

3 the keygen at all so lets move on;

3 if no name skip algo

3 if no name skip algo
00404AC1 XOR ESI,ESI
00404AC3 AND BYTE PTR DS:[EAX],0
                                                                               ; esi = 0
ECX holds our name
 :start /MOV DL,BYTE PTR DS:[ECX+EAX+1] ; get the next letter in advance, t(i)kka
; Multiply the ascii values of EDX and ESI storing in F
; Add EDI with ESI, ESI now holds the TOTAL
; increment the loop integer by 1
; incremented it again by 1
; reason is that, because it scans a letter in advance
; so to it keep lined up properly it must do this.
; check to see if we are at the end of the username
; If not at end of string jump to start of loop
 |ADD ESI,EDI
|INC ECX
 I TNC ECX
|CMP BYTE PTR DS: [ECX+EAX], 0
 \JNZ SHORT start of loop
00404AF0 |> 8A0401
                                                      MOV AL, BYTE PTR DS: [ECX+EAX]
                                                                                                                                        ; check if there is an even number of characters
                                                     MOV AL, BYTE PTR DS: [ECX+EA
POP EDI
TEST AL, AL
JE SHORT BOSSKEY.00404B00
MOVSX EAX, AL
00404AF3 | . 5F
00404AF4 | . 84C0
00404AF6 | . 74 08
00404AF8 | . 0FBEC0
                                                                                                                                       ; if its even then jump over the next part of algo
                                                                                                                                        ; move AL (last characters hex value) into EAX; multiply last letters value with 7B (123 decimal); add to the serial's total.
00404AF8 | . OFBECU

00404AFE | . 6BCC 7B

00404AFE | . 03FO

00404B00 | . 56

00404B01 | . 68 08B74000

00404B06 | . FF7424 14
                                                       IMUL EAX, EAX, 7B
ADD ESI, EAX
                                                       PUSH ESI
PUSH BossKey.0040B708
                                                                                                                                         : /<%X>
                                                                                                                                        ; |format = "%X" <---- this is the COMPLETED serial
                                                      PUSH DWORD PTR SS:[ESP+14]
                                                                                                                                                                                                          in capitalised HEX
Explaination
 It gets your name "tikka",
Then converts each character into its ascii value.
it takes the second, then first characters of each cycle in the loop ; t and i multiplys them together ; 74 * 6
                                                                                                                                                        * 69
then stores into a buffer which we could say is the total total = i*t
                                                                                                                                            ; total = 2F94
total = i*t

it makes eax = eax + 2

this is because we are moving along in steps of 2

goes to start of loop

gets k*k then adds to total (which already has the value of i*t)

; 6B * 6B =

increments eax by 2 again

realises that we are at the end of our name
and there is an ODD length of characters and jumpes to the next section; a and 7B

it then multiplys 'a' with 7B

adds to total

; add 2E9B

makes it into uppcase hex.

; '8AEE'
                                                                                                                                           ; k and k
; 6B * 6B = 2CB9
; total = 2F94 + (6B*6B)
                                                                                                                                                                                             (total = 5C4D)
                                                                                                                                           ; 61 * 7B = 2E9B
; add 2E9B with total and you get
; '8AE8'
makes it into uppcase hex.
#include <string.h>
#include <stdio.h>
 // bosskev
 int main(int argc, char *argv[])
                   int total = 0;
int i = 0; char name[1024];
printf("Enter name: ");
while(i < strlen(name) + 1) {
    char ch1 = name[i];
    char ch2 = name[i+1];
    int mix; mix = ch1 * ch2;
    if (ch2==0) { mix = ch1*123; }
total = total + mix; i++; i++;
}</pre>
                    printf("The serial: %X",total);
char null[1024]; gets(null);
                    return 0;
```

\_\_\_\_\_

```
if at the moment you cannot understand c++ then here is basic quiv
   Qbasic4.5
   lastone = 0
lastone = 0
INPUT "enter your name: ", name$
IF LEN(name$) > 20 THEN PRINT "name to long"; : END
IF name$ = "" THEN name$ = "akkit"
FOR b = 1 TO LEN(name$) STEF 2
a = ASC (MID$ (name$, b, 1))
IF b = LEN(name$) GOTO 20 ELSE c = ASC (MID$ (name$, b + 1, 1))
GOSUB algo
 NEXT b
20 blah = (a * 123)
current = current + blah
   GOTO exit1
   algo:
        argo:
current2 = a * c
current = current2 + lastone
lastone = current2
   RETURN
 exit1:
PRINT "Serial: ";
PRINT HEX$(current)
PRINT "more tutorials at http://www.tikka-d.co.uk"
 I have also included a mIRC script for the keygen, % \left( 1\right) =\left( 1\right) \left( 1\right) \left(
   alias /keygen {
                   var %i = 1
var %ch1 = 0
                   var %ch2 = 0
                 var %mix = 0
var %last = 0
               var %last = 0
:start
if %i > $len($1-) { goto end }
if $mid($1-, $calc(%i + 1), 1) = $null { goto section2 }
set %ch1 $asc($mid($1-, $calc(%i), 1))
set %ch2 $asc($mid($1-, $calc(%i + 1), 1))
set %mix $calc(%ch1 * %ch2)
set %last $calc(%last + %mix)
ing %i
                 inc %i
                 goto start
:section2
set %chl %asc($mid($1-,$calc(%i),1))
set %mix $calc(%chl * 123)
set %last $calc(%last + %mix)
                     :end
                 //say #1,0Key#15gen# #14# $+ $1- $+ # # $+ $base(%last,10,16) $+ #
I really recommend learning c, visual basic is not going to do you any favours. QBasic can make exes but best to do it in c. \tt mIRC script example was coz i was bored.
Special thanks to henson for help with converting between languages.
```

```
- by Tikka, email: - - no elite ascii art-
- akkit_is@hotmail.com - - Software Cracking Issue 5 - Resource Modification -
```

#### Introduction

Today we are going to talk about resource modification which is often refered to as resource hacking which sounds pretty pants but the tool that i like is "resource hacker" which isnt so pants. I just downloaded it because i havent needed it for such a long time but when i did i found a really nice function that has been added since last time i downloaded. Resource hacker now has a function for adding resources to the dialog, i mean from a dialog you can select what you would like to add whereas before you needed to know the scripting side of things. When i first became interested in changing the appearance of an application was when i hex edited mirc, which took me a really long time. I swapped the about and register menus around by changing their id and redesigned the about box to appear registered, removed the version reply and also modified the title bar from mIRC32 to my scripts name. Using a program called microangelo which is an icon editor i was able to change the icon aswell. Now using resource hacker you can do everything you need, In this paper i will demonstrate an extremly easy but handy modification to the shoutcast DSP plugin for winamp. I hate how you cannot minimize the dsp, or more to the point the size. All i want to see is the VU meter so to do this i made the dialog resizable.

#### Tools

Resource Hacker, (free) http://www.users.on.net/johnson/resourcehacker/ Microangelo, (not free) http://www.microangelo.us/ Hex editor, this can be used to look at what changed but for this example i wont bother.

#### Target

http://www.shoutcast.com/downloads/shoutcast-dsp-1-8-2b-windows.exe

#### SHOUTcast Source v1.8.2b

```
I didnt check for the latest version before writing this, but this technique would work for other versions if they need it.
 Download resource hacker.
Got it? Good!
open your winamp and look at the DSP plugin, no dialog control is frustrating so lets sort it out. In the preferences dialog unselect the DSP plugin this will unload the dll from memory, this will be handy for looking at changes. When the plugin has been modified, close and open winamps preferences as this will then list both the new and old plugin versions so you can
 easily compare the 2. Fire up resource hacker and open c:\program files\winamp\plugins\dsp sc.dll,
 [+] Dialog
 [+] Icon Group
 [+] 240
 we at present are only interested in Dialog, expand Dialog and expand the first item.
 [+] Icon
[-] Dialog
        [-] 101
                 X 1033
You will see "SHOUTcast Source" Dialog and a code window with the dialog shown as text.
101 DIALOGEX 0, 0, 188, 282
STYLE DS_CENTER | WS_MINIMIZEBOX | WS_POPUP | WS_CAPTION | WS_SYSMENU
EXSTYLE WS_EX_CONTROLPARENT
CAPTION "SHOUTCast Source"
LANGUAGE LANG_ENGLISH, SUBLANG_ENGLISH_US
FONT 8, "MS_Sans_Serif"
       CONTROL "Tab1", 1000, "SystabControl32", TCS_TABS | WS_CHILD | WS_VISIBLE | WS_TABSTOP, 2, 2, 184, 279 CONTROL "", 1001, BUTTON, BS_GROUPBOX | WS_CHILD, 8, 17, 171, 257
You can change the dialogs caption, size and what you see from the code above.

STYLE DS_CENTER | WS_MINIMIZEBOX | WS_POPUP | WS_CAPTION | WS_SYSMENU

That is what is set for the dialog at design time, other properties are set during runtime.

For example, you cannot resize the dialog but in the code window it says

WS_MINIMIZEBOX which means the dialog can be minimized but when we see it running it has been dissabled. What can we do instead? Well instead of getting into the code and stopping it being dissabled lets just make it resizable. change the style line from:

STYLE DS_CENTER | WS_MINIMIZEBOX | WS_POPUP | WS_CAPTION | WS_SYSMENU
STYLE DS_CENTER | WS_MINIMIZEBOX | WS_POPUP | WS_CAPTION | WS_SYSMENU | WS_THICKFRAME Nice and simple, click compile script and then save.

In Winamp Preferences, Click on the DSP plugin and now try to resize..
```

```
REM
 REM
 REM
 REM
REM
              REM
              - by Tikka, email: - - no elite asc:
- akkit_is@hotmail.com - - irc.cocytusuk.
- Software Cracking Issue 6 - SysDate Keygen, QB
                                                                                        - no elite ascii art-
- irc.cocytusuk.org -
 REM
 REM
REM
 REM
 REM Introduction
 REM
 REM
REM This Keygen is not commented due to the fact that it is not much different from REM the bosskey keygen, Altho the registers have been used for the variable names REM for simplicity. Forgive me for the crap loops at the very end, i couldnt be REM arsed to find a nice little command to do it instead. altho i do realise REM that one loop, removing spaces would of done it. ah well, it werks fine:)
 REM
 REM This was coded using QBasic4.5 reason is that it can compile .exe's
 REM besides i like it;)
REM use google to find "qbasic45" thats where i found it.
 REM
 REM If you require a more indepth tutorial or perhaps ported to another language REM then feel free to email me.
 REM
 REM
 REM
 CLS
 INPUT "Enter Username: ", str1$
IF str1$ = "" THEN PRINT "Invalid Length": END
 edx = 0
eax = 0

ecx = 107

FOR eax = 1 TO LEN(str1$)

edx = ASC(MID$(str1$, eax, 1))

edx = edx + edx * 4

ecx = ecx + edx * 4
 ebx = ecx
eax = 0
ecx = 107
FOR eax = 1 TO LEN(str1$)
edx = ASC(MID$(str1$, eax, 1))
edx = edx + edx * 4
ecx = ecx + edx * 8
NEXT eax
section1 = ebx
section1 = ebx
section2 = ecx
edx = ASC(MID$(str1$, LEN(str1$), 1))
edx = edx + 2
section3 = edx
eax = ASC(MID$(str1$, LEN(str1$), 1))
eax = eax + eax * 4
edx = eax + eax * 4
eax = edx * 4 + 1
section4 = eax
 PRINT "Serial Number: ";
FOR a = 2 TO LEN(STR$(section1))
PRINT MID$(STR$(section1), a, 1);
 NEXT a
PRINT "-";
FOR a = 2 TO LEN(STR$(section2))
 PRINT MID$ (STR$ (section2), a, 1);
 NEXT a
PRINT "-";
 FOR a = 2 TO LEN(STR$(section3))
 PRINT MID$(STR$(section3), a, 1);
 NEXT a
PRINT "-";
 FOR a = 2 TO LEN(STR$(section4))
PRINT MID$(STR$(section4), a, 1);
NEXT a
REM I love silly loops, dont you?
```

## Any questions aim them at <a href="mailto:akkit\_is@hotmail.com">akkit\_is@hotmail.com</a>

Bored and want to chat somewhere?
Http://www.turntablism.info/chat

Regards, Tikka.