

# Crypto Badness 200

Clue: *Some puzzles for you*

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[www.painsec.com](http://www.painsec.com)

## Step 1:

The initial link is [http://quals.ddtek.biz/quals/c200\\_6ea9650d99520e18.html](http://quals.ddtek.biz/quals/c200_6ea9650d99520e18.html)

It provides the following qrcode code:



Scan it with your phone or with <http://zxing.org/w/decode.jspx> and it will translate to this link: [http://quals.ddtek.biz/quals/c200\\_8e452fdd2a9b9744.html](http://quals.ddtek.biz/quals/c200_8e452fdd2a9b9744.html)

## Step 2:

Following that link gives you another qrcode:



Doing the same steps as before, <http://zxing.org/w/decode.jspx> translates the qrcode to <http://quals.ddtek.biz:8080/qrcode/>

### Step 3:

Following the new link leads to a page that renders as this:

## Answer Submission

Upload a file:

No file chosen

Not knowing what to upload at first, submitting any file would take you to:

<http://quals.ddtek.biz/quals/qrsolve.html> which is a redirect to <http://www.youtube.com/watch?v=dQw4w9WgXcQ> (*RickRoll -> smooth move ddtek*)

By running the “strings” command in linux on the first qrcode, the output shows:

```
[sakebomb@shared CRY200]$ strings c200_bd3ccc93619a1fba.png
IHDR
sRGB
PLTE
bKGD
    pHYs
tIME
9tEXtComment
Your turn. Generate qrcode for "too many secrets"r
IDATX
FbuF
SatHO
| [vLb
-/uz
N+]T
ldpB
IEND
```

### Step 4:

Generate the qrcode for “too many secrets” at <http://qrcode.kaywa.com/> based on the clue we found hidden in the jpeg. It looks like this:



Using this file as the upload key on the answer submission page leads you to:  
[http://quals.ddtek.biz/quals/c200\\_840bc203130f3638.html](http://quals.ddtek.biz/quals/c200_840bc203130f3638.html)

### Step 5:

On this page, there is another qrcode and an mp3 file called *c200\_9f5bcf9abbcf85c.mp3* that is hidden but you can clearly hear it when the page loads.

The new page displayed this qrcode:



Translating the qrcode once again with <http://zxing.org/w/decode.jspx> provides:  
**C,VIII,II,VI,03,20,06,D,D,T,AV,FI,DR,TX,EU,HK**

### Step 6:

While listening to the mp3 file it becomes obvious that it is Morse code. Two solutions to getting the information, find someone with the lost art of Morse code translation on the fly or using Audacity <http://audacity.sourceforge.net/> to open the mp3. This makes it easier to watch and listen to make sure the whole code is translated properly to dots and dashes.

Using Audacity to zoom in on the audio file and playing the file looks like this:



