

CSAW CTF 2016 Quals: Cow Town USA*

Category: Steganography

Points: ?

Solves: ?

Description:

So I'm not sure what the description was since I wasn't really told much about the plot of the High School Forensics Finals. I was told however to write up a steganography challenge that would waste the kid's time as a red herring.

Write Up:

So the kids were given an image [SafeHouse.jpg] and a video [cowsandcorn.avi]. The video was the key to uncovering the flag for the challenge.

The video is pretty much this:

<https://www.youtube.com/watch?v=okWRBJlf8M>

Given that the kids would have been born in 1998 at the very latest, I made a safe assumption that none of them knew Morse code at all. So they could have spent a good hour deciphering the message that was 43 seconds long or they could have messed around with the audio in Audacity, to suppress the interfering song, and use a website to decode the message once they got a better quality audio file.

<https://morsecode.scphillips.com/labs/decoder/#>

The Morse code translates to:

*ARE YOU KIDDING? I AIN'T GOING TO SOME COW TOWN. WHAT AM I CLARK KENT? -
ROWLEY*

The hint for the password for the SafeHouse.jpg is given through the phrases "cow town" and "Clark Kent". Through steghide the kids could get the flag if they input the right password: Kansas.

Flag

flag{th3_p4ssc0de_is_p4ssw0rd}