



# BSidesDE WCTF

@rmellendick  
@wctf\_us  
@WiFi\_Village

WCTF

Security



# WCTF Rules

- You must register with the scoring server
- All “Game” BSSID’s are in the context of WCTF#
- Keys will only be scored once per team.
- We log everything and obvious attempts will result in *subjective* penalties

We are much meaner than you :-p

# WCTF Rules

- Anything that needs to be cracked will be that challenge's key

*offense and defense are  
always in play!*

# WCTF Scoring

- In order to score, you must have
  - A working copy of GPG or PGP depending on your operating system
  - A valid Public/Private key pair to be used for signing your submissions
  - Access to email/internet

# WCTF Scoring

- WCTF Scoring Instructions and PGP Public Key are at:
  - <http://www.wctf.us/scoring.html>
- The flag.sh shell script has been provided to aid in uploading keys
- *Make sure you are quoting and escaping correctly on the command line*
- You will find that it makes it easier/faster to submit your scores

# Setting up GPG/PGP

- Verify that you have PGP or GPG installed
  - Type gpg <return> and see if it is installed if not:
    - emerge gpg (Gentoo)
    - apt-get install gpg (Kali, Ubuntu, Debian, etc.)
    - Download and install GPG Keychain Access (OSX)

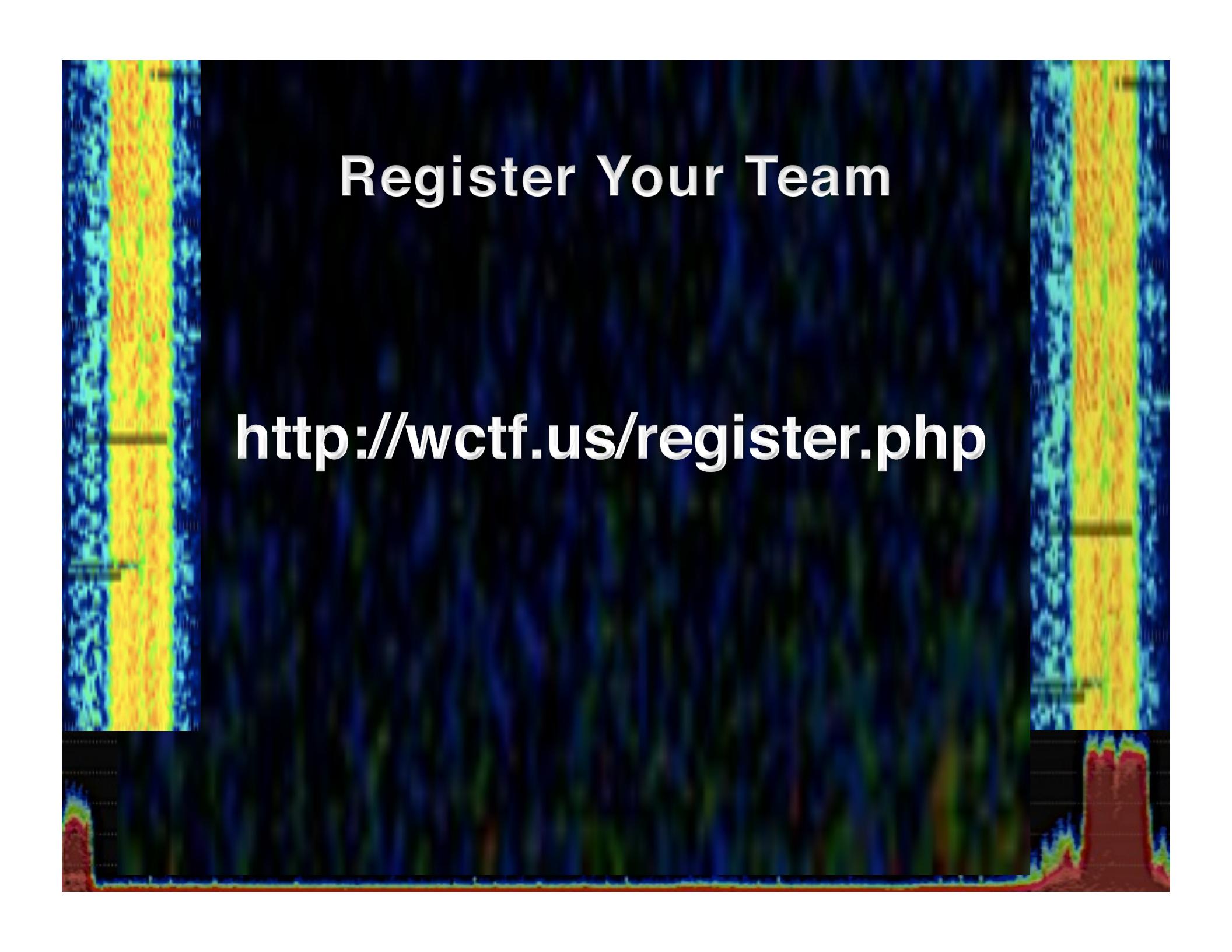
# Setting up GPG/PGP keys

From the terminal type `Gpg –gen-key`  
`<return>`

- Select type (use default for WCTF)
- Select keysize (use 1024 for WCTF)
- Let the key expire a day after the WCTF is over
- Type your “WCTF” name

# **Setting up GPG/PGP keys**

- Enter a valid email address that you are going to use to submit the flags for the WCTF**
- Enter a passphrase that you will remember**
- Then let the computer work for a few minutes creating entropy (wifi scanning speeds this process)**



# Register Your Team

<http://wctf.us/register.php>

# Importing WCTF PGP Key

**gpg –import <paste the WCTF  
pub key> <return>**

**–Copy/paste the entire key  
only from**

**<http://www.wctf.us/scoring.html>**

## To Submit a Flag

- **Copy the flag from it's location.**
  - It will be either the wireless encryption key
  - Or handed to you, or texted to the number for challenge 6

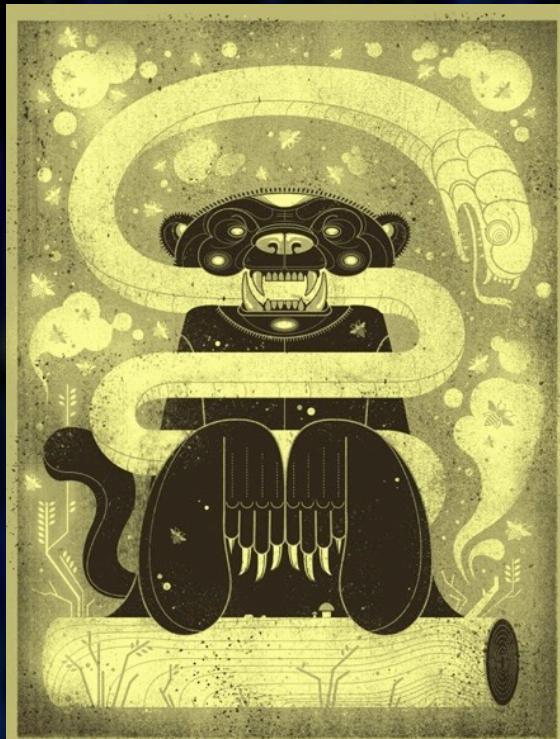
# To Submit a Flag

**Copy the entire string with no  
breaks or spaces**

**Take the output of key.sh  
./key.sh <flag>**

**Copy and paste resulting output of  
the flag.sh file and email (without  
encryption) to: ctf@wtcf.us**

# welcome to the challenges!



Words, Context, Formatting, and Capitalization are all part of the  
clues

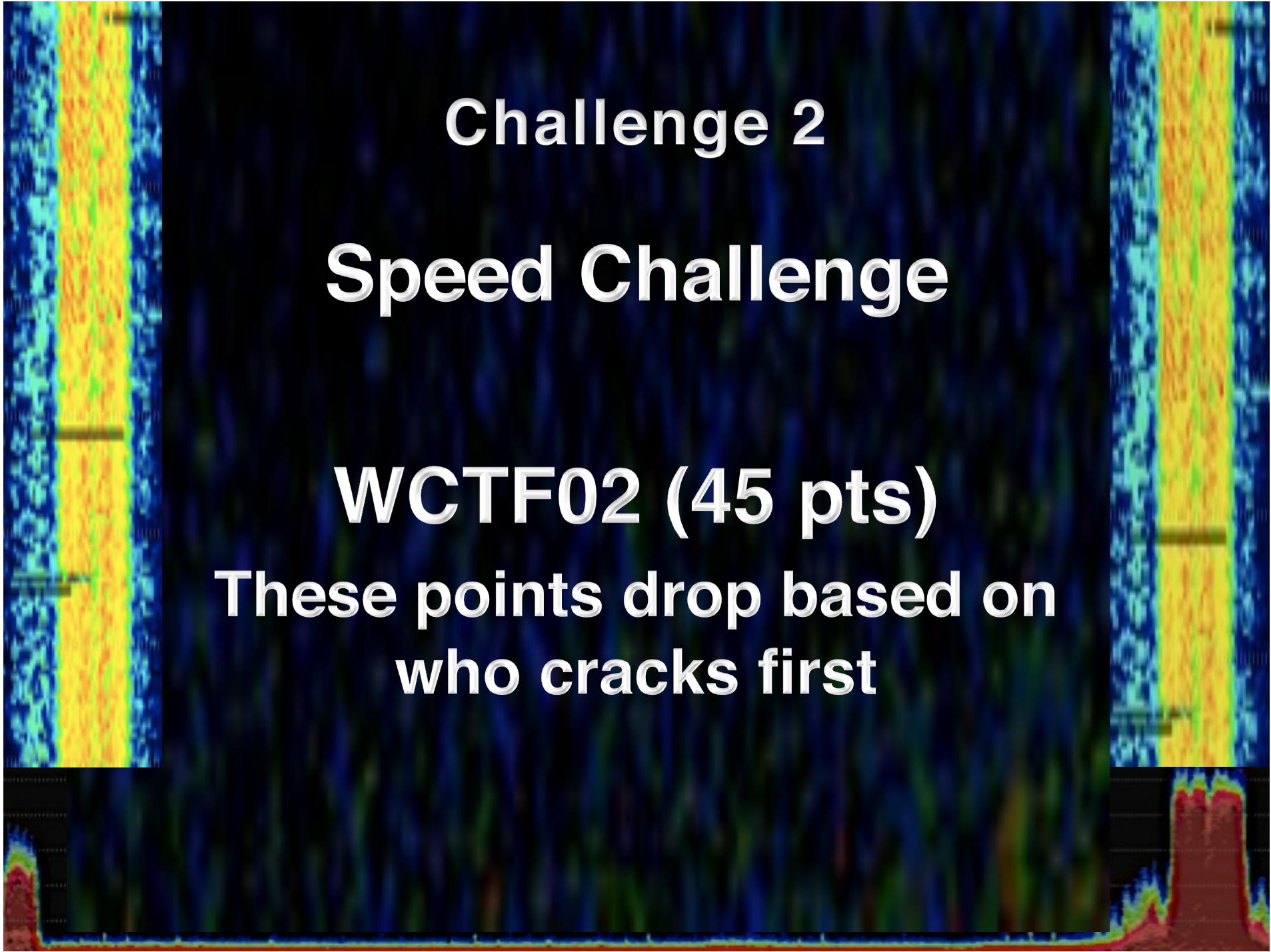


# Challenge 1

## Speed Challenge

**WCTF01 (45 pts)**

**These points drop based on who  
cracks first**



## **Challenge 2**

### **Speed Challenge**

**WCTF02 (45 pts)**

**These points drop based on  
who cracks first**



Challenge 3

Crack me

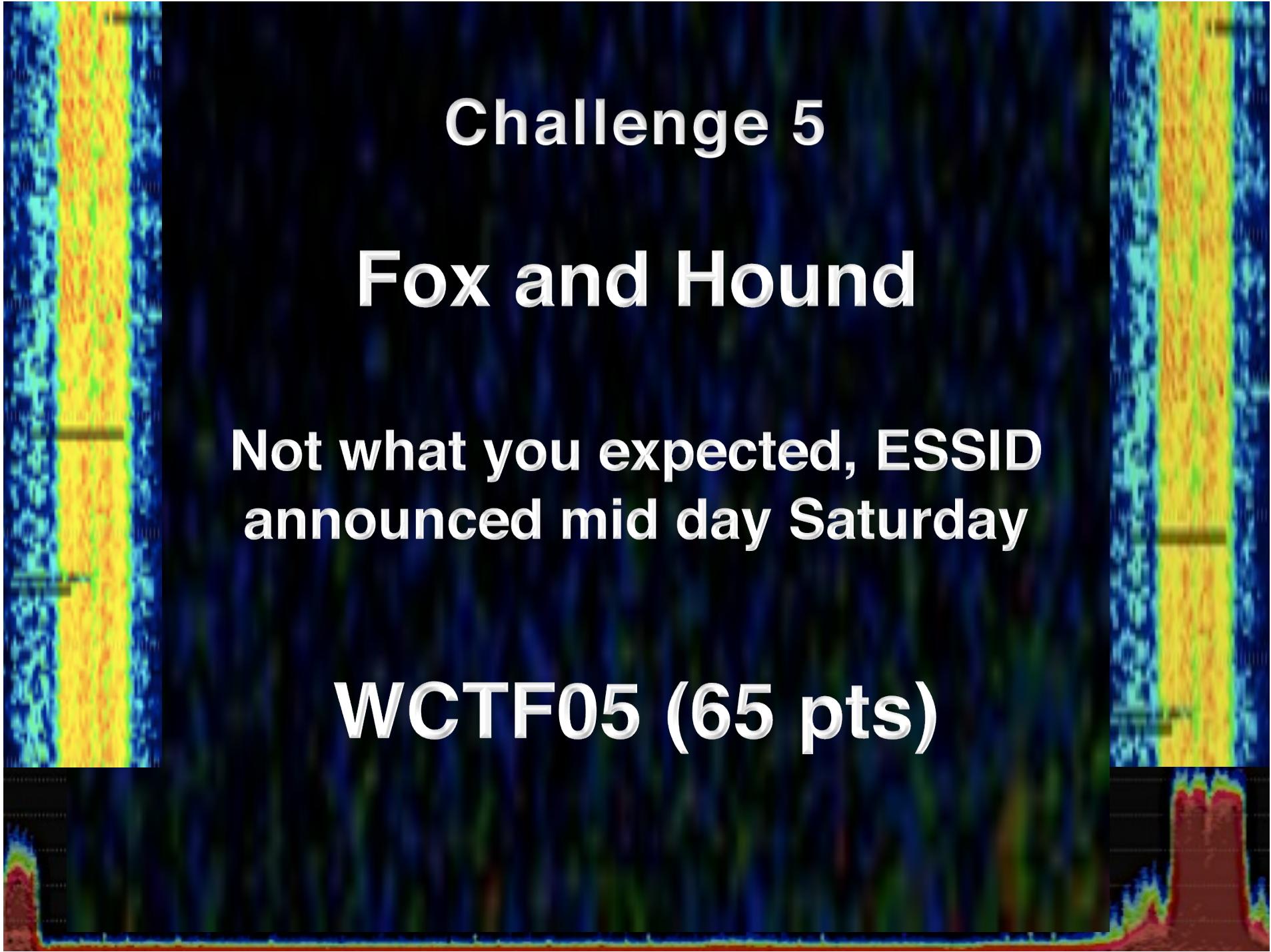
**WCTF03 (20 pts)**



## Challenge 4

This is harder than it  
looks

WCTF04 (20 pts)



**Challenge 5**

**Fox and Hound**

**Not what you expected, ESSID  
announced mid day Saturday**

**WCTF05 (65 pts)**

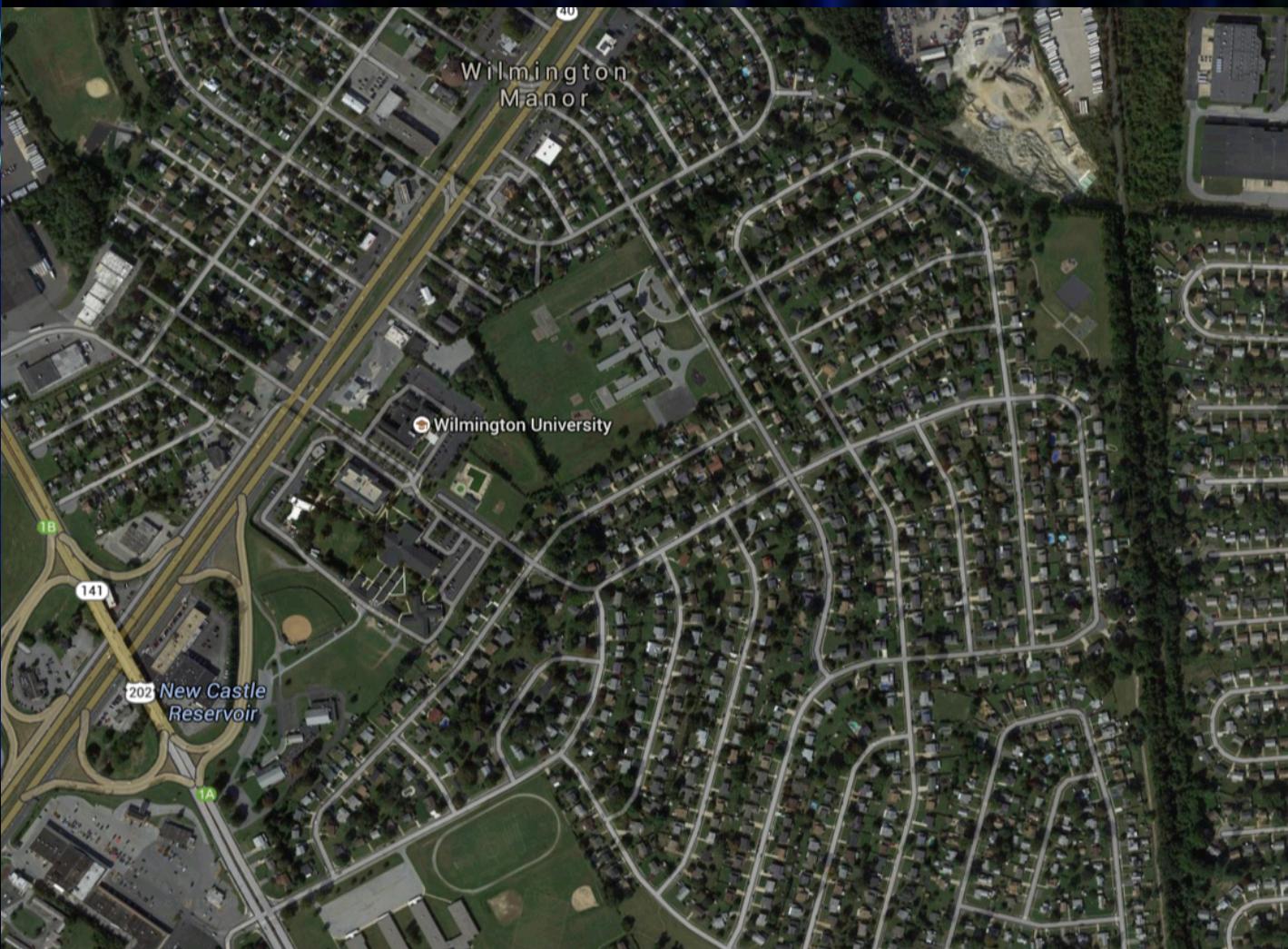
# Challenge 6

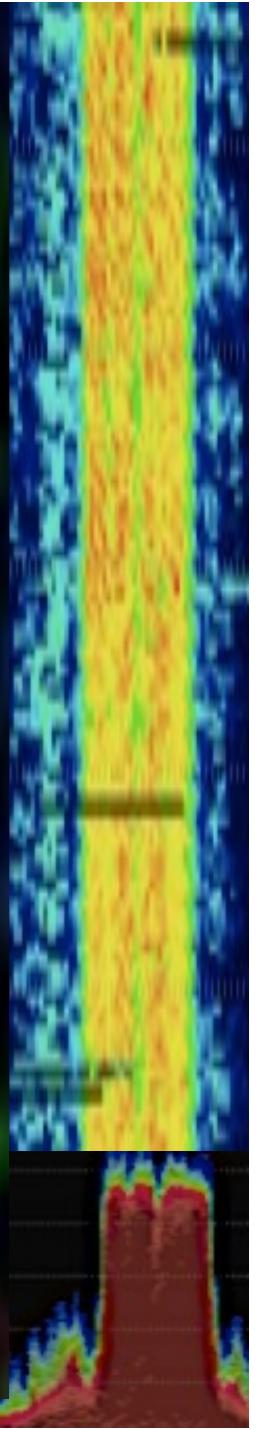
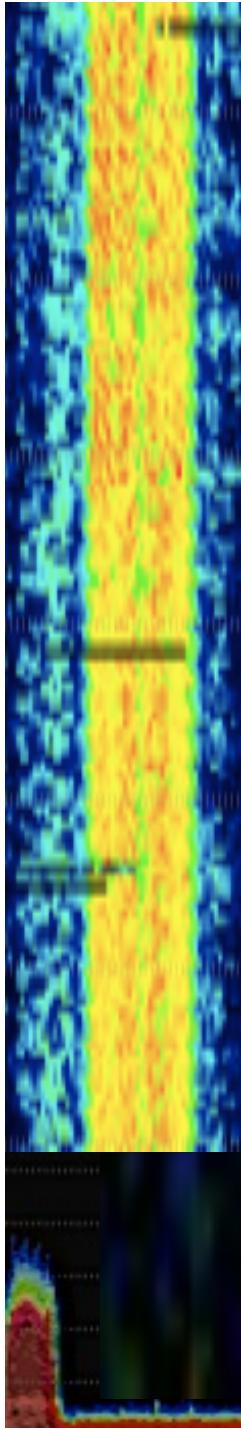
## Hide and Seek

**Boundaries on the next slide, to score on this challenge, text a picture of the AP, or its location to 443 895 5454, this starts Friday at 4 and runs straight through till Saturday at con close, that means overnight!**

**WCTF06 (65 pts)**

# Hide and Seek Boundaries





**Challenge 7**

**Bonus challenge**

**WCTF07 (40 pts)**

# SPONSORS

SIGNALS DEFENSE



TACTICAL  
NETWORK SOLUTIONS



metageek



PentesterAcademy  
a SecurityTube.net initiative

# Questions



@rmellendick  
@wctf\_us  
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