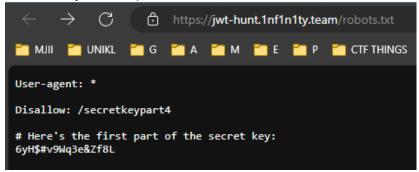
## JWT Hunt

- 1. **Registration and JWT**: After registering, we will received a JWT (JSON Web Token) in a cookie. To become an admin, the key signature for the JWT will be needed first.
- 2. Finding Hidden Directories: Used a tool called DIRB to search for hidden directories that might contain parts of the key.

- 3. Found the following:
  - robots.txt: 6yH\$#v9Wq3e&Zf8L



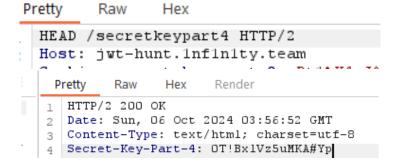
• cookie: pRt1%Y4nJ^aPk7Sd

- 1 | GET /dashboard HTTP/2
- 2 Host: jwt-hunt.1nf1n1ty.team
- 3 | Cookie: secret key part 2=pRt1%Y4nJ^aPk7Sd; cf c

sitemap.xml: 2C@mQjUwEbGoIhNy

```
This XML file does not appear to have any style information associated wit
▼<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
 ▼<url>
    <loc>http://example.com/</loc>
    <lastmod>2024-01-01</lastmod>
   </url>
  √<url>
     <loc>http://example.com/register</loc>
    <lastmod>2024-01-01</lastmod>
  </url>
 ▼<url>
    <loc>http://example.com/login</loc>
    <lastmod>2024-01-01</lastmod>
  </url>
 ▼<url>
    <loc>http://example.com/dashboard</loc>
    <lastmod>2024-01-01</lastmod>
   </url>
 </urlset>
```

• Secret-Key-Part-4 (HEAD request): 0T!BxlVz5uMKA#Yp



## Combine key:

6yH\$#v9Wq3e&Zf8LpRt1%Y4nJ^aPk7Sd2C@mQjUwEbGoIhNy0T!Bx1Vz5uMKA#Yp

4. Changing the Username: Changed the username to admin using the JWT and the key signature we collected from the previous step. Verified the JWT signature at jwt.io



5. Accessing the Admin Dashboard: Finally, we changed the URI from /dashboard to /admin and successfully obtained the flag.



Flag: ironCTF{WOw\_U\_R341ly\_KnOw\_4\_L07\_AbOut\_JWT\_3xp10r4710n!}