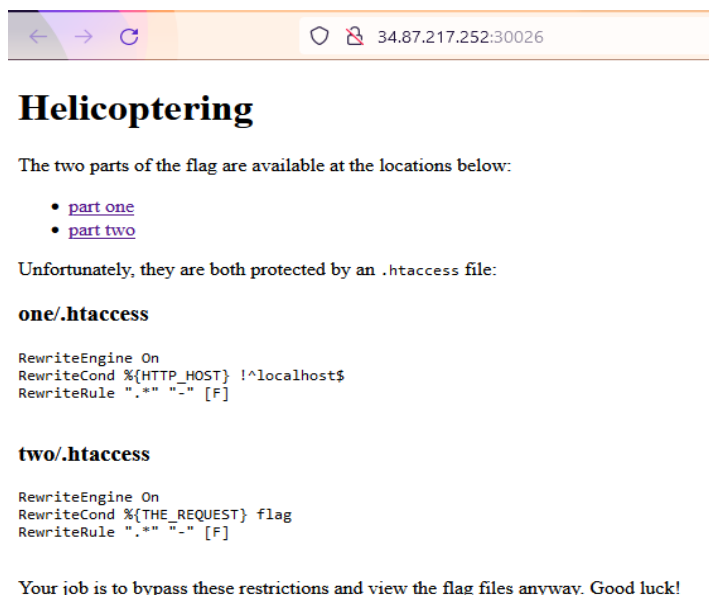
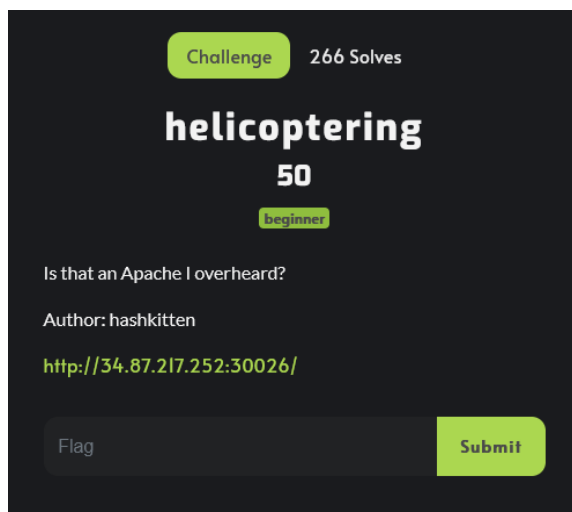
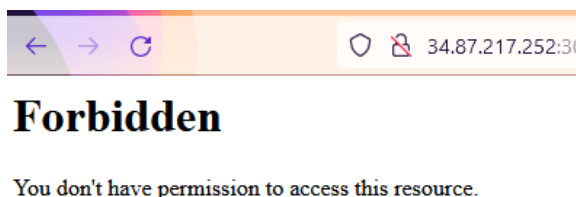


First hint we get is that this is some sort of Apache issue. Let's check out the website.

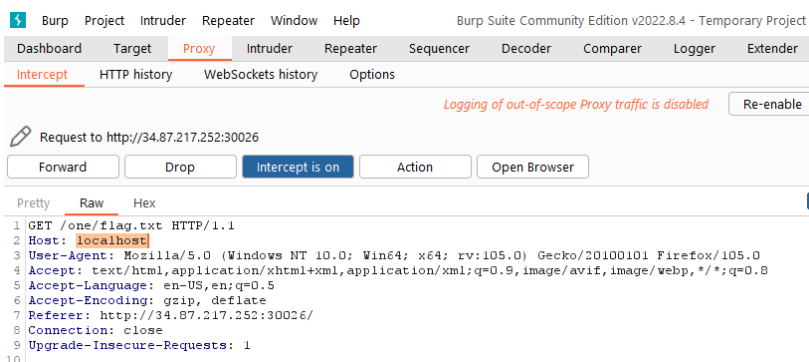


So we have a two part flag, each protected by a simple Apache .htaccess file. I've only worked with Apache a few times, but I know that the .htaccess file is essentially a part of the server that will manage access to certain pages via a set of defined rules.

Here, we can see that if we go to part one of the flag, we are given a 403 Forbidden. Let's examine the .htaccess rules for the first part that is preventing us from seeing the flag,



"RewriteCond %{HTTP\_HOST} !=localhost\$". What is this doing? (I have no idea, let's google.) Basically, it is telling the server that when it receives a request, it should check the HTTP\_HOST field to see if it is coming from "localhost". Notice the !, this rule is saying if the request is NOT from localhost, do not let it through, and also the regex ^ \$ format... So let's force it to think we're localhost.





DUCTF{thats\_it\_

We send off the request, and we get part 1 of the flag.

Part 2 is a little easier, the rule says “RewriteCond %{THE\_REQUEST} flag” meaning THE\_REQUEST can’t have any occurrence of “flag” anywhere in it... So how would we bypass this to request /two/flag.txt??? URL encoding! The server is only checking for “flag” exactly, what if we give it something like fl%61g.txt? We know that %61 = ‘a’ in URL encoding, so when we make the request, we are given part 2.



next\_time\_im\_using\_nginx}