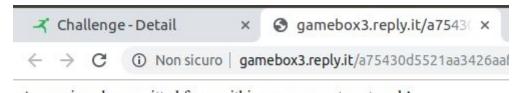
SLINGSHOT - WEB 100

After stopping the sabotage attempt, R-Boy comes up with a great idea to optimise the acceleration phase around the moon. But Flight Control won't allow him to use the super computer for his simulation to prove his idea works. R-Boy still wants to convince Flight Control and asks you to help him access to platform.

Accessing the challenge we are presented with this message:

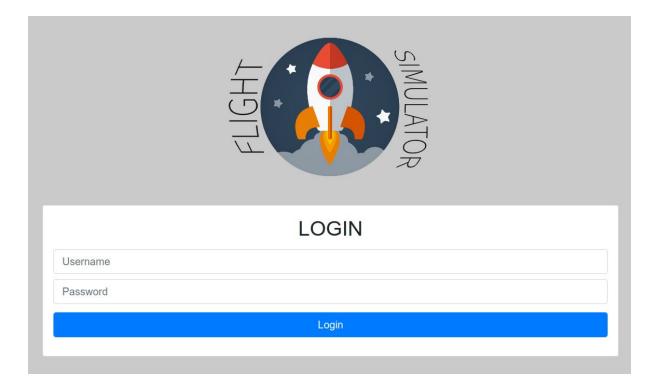


Access is only permitted from within our corporate network!

We changed the header **X-Forwarded-For** of the HTTP request so that it appears from the LAN:



Now we have access to the login page:



We notice that using the username **admin** we retrieve the following error message:

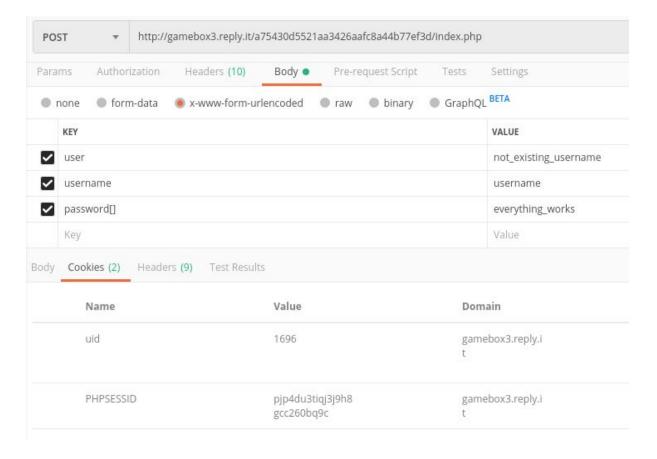
Direct admin login not allowed

We tried SQL injections, but it doesn't seem vulnerable.

After a while we found out that the admin left a backup of the website in a file named backup.zip

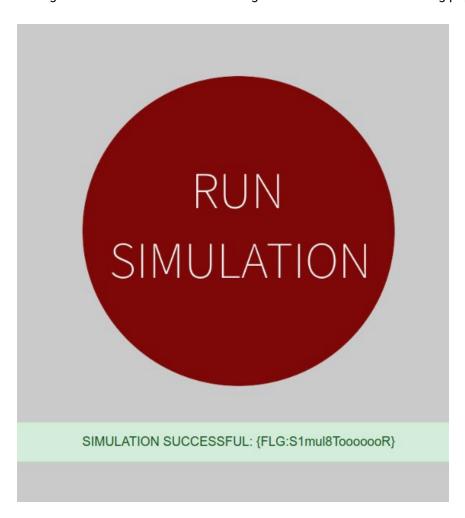
We see that in **index.php** there is a typo, the login form has only two input: **username** and **password**, but in the php code we see that it uses a third variable named **user** to verify the password.

To exploit the **strcmp** we just have to send the **password** value as an array, and we got logged in:



At this point we look at the protected.php file::

We see that there are used two different functions for comparing the **uid** cookie. Type juggling! Setting the cookie to **01a** allows us to login as admin and access the flag page:



{FLG:S1mul8TooooooR}