Cloudgoat – RCE_WEB_APP Analysis

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This document assumes that you have executed ./cloudgoat.py create rce_web_app.

After executing the command shown in the image above, you can find a DNSName written, which is the target webpage for the upcoming practice.



When you access the webpage, you can see a webpage called Gold-Star appears.



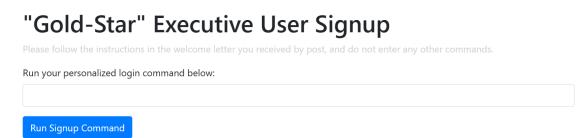
Next, I found a directory related to log file collection and identified the log file within it.

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I copied the log file to local.

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Near the end of the log file, I found an unusual link file.

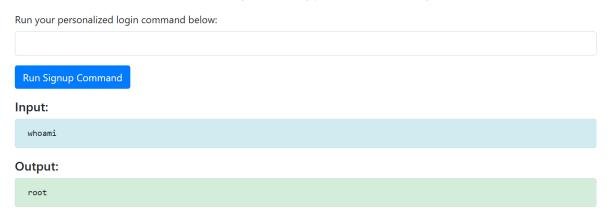


Stuck? Select for help: >>

When accessing that link, I found a webpage related to exploiting web vulnerabilities :D

"Gold-Star" Executive User Signup

Please follow the instructions in the welcome letter you received by post, and do not enter any other commands



Stuck? Select for help: >>

I entered the whoami command to check which user permissions it's currently running under, and surprisingly, I found out it's currently root privileges.

"Gold-Star" Executive User Signup

Please follow the instructions in the welcome letter you received by post, and do not enter any other commands.

Run your personalized login command below:

Run Signup Command

Input:

curl ifconfig.me

Output:

Also, I was curious about the public IP address of the current cloud and found it out.

The reason for finding out the public IP address is because when performing the above command,

As shown in the image above, I discovered that ssh can also be used.

Therefore, I generated an ssh key locally,

"Gold-Star" Executive User Signup

Run your personalized login command below:

Run Signup Command

Input:

echo ssh-rsa AAAAB

Output:

And inserted the ssh public key into the vulnerable webpage I found earlier.

This concludes the report on cloudgoat's rce_web_app. Thank you for reading.