### **HTTP Header Analysis of the Chameleon website**

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&

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# **Using CURI command in terminal**

#### curl -i sit-chameleon-website-0bc2323.ts.r.appspot.com

We need to run the above command in terminal to see HTTP header.

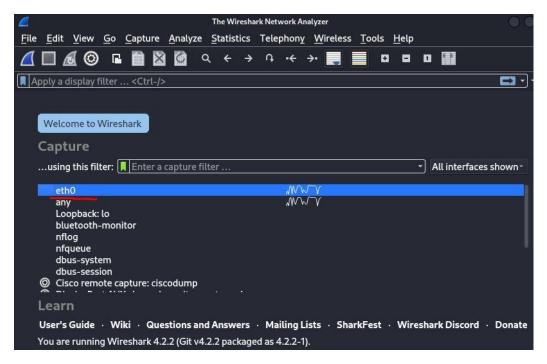
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| Control | State | St
```

As we can see from the above screenshot server is responding ok and there's no apparent vulnerability.

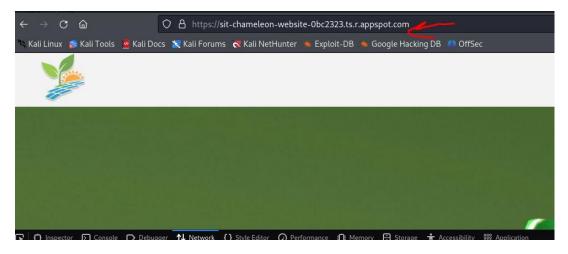
### **Using wireshark**

As we can't find any issues with HTTP header while using 'CURL' command. Now we need to test the same with the wireshark. To do so we need to launch wireshark as shown below.

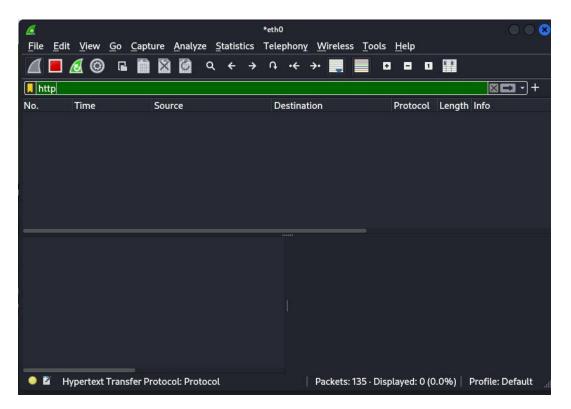
We'll get the following screen select the interface 'eth0'



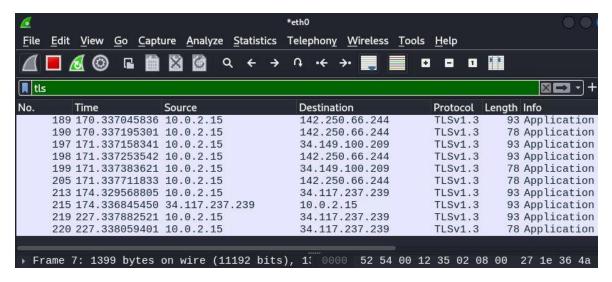
Also we need to open the website in browser as shown below



In filters bar at the top enter 'http'



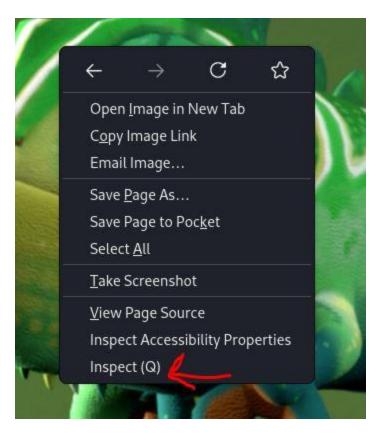
After typing 'http' in filters bar we got no packets. As shown above. This indicates all packets are secured they might be running on 'https' so we need to change the filter to 'tls'.



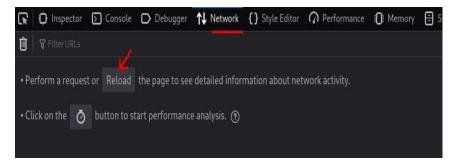
This indicates that http header is responding ok and there is no apparent vulnerability.

## **Using Browser Developer tools**

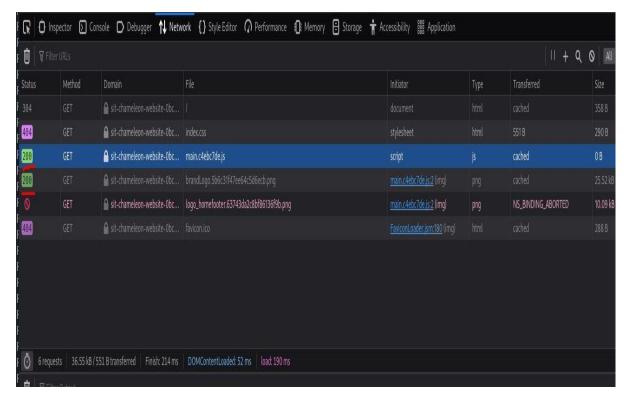
After analyzing 'HTTP header' using two tools we can use another tool. Which is built in the most modern web browsers. To access it we need to do the following.



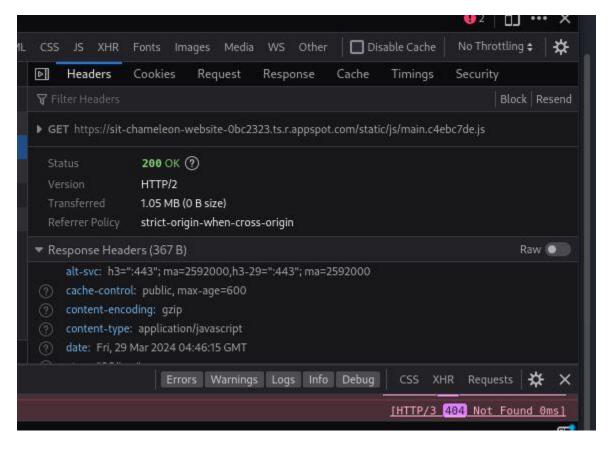
As we can see from above screenshot we need to right click on any part of the page and go to the inspect option. We'll get the following.



After that we need to go to the 'Network' tab and click 'Reload' as shown in above screenshot. We'll see the following screen.



Now we need to click on '200' under status option. We'll get the following on the right side of the screen.



This above screen indicates that communication with the server was successful and secure.

We also got the following which indicates that resource hasn't been modified since the last request. Which indicates that there was no unnecessary data transfer.

