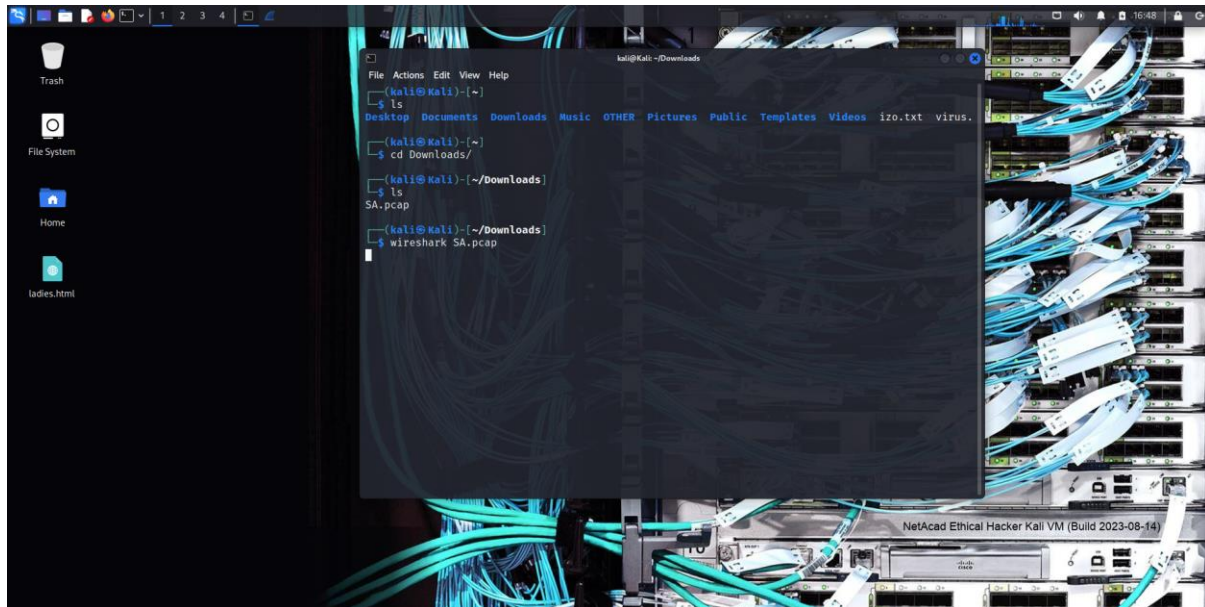


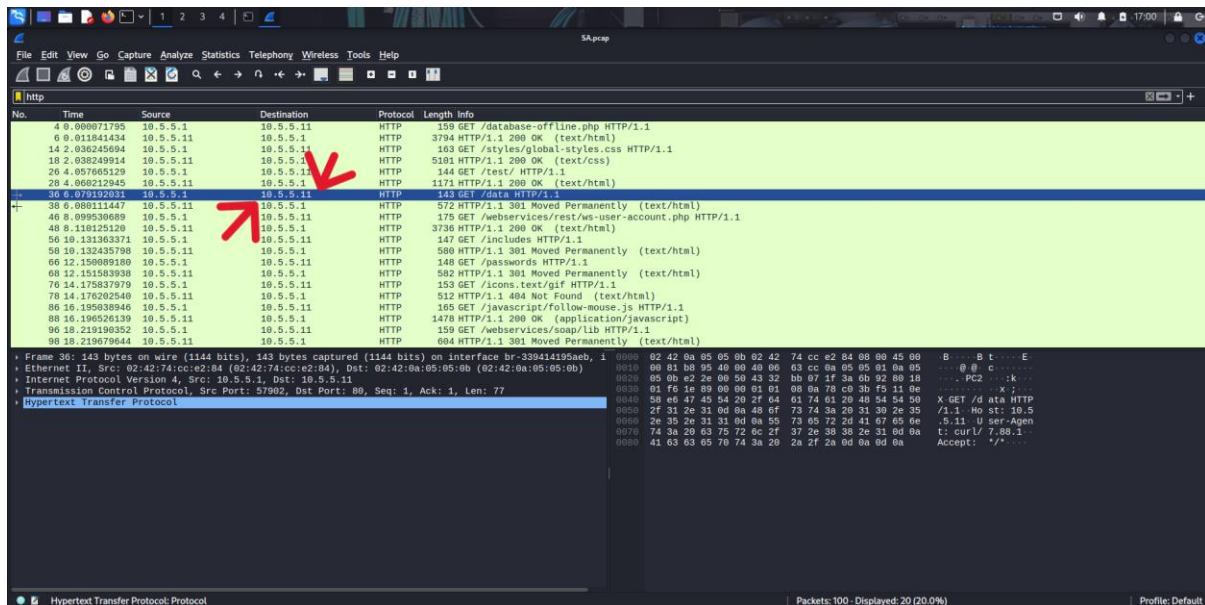
Challenge 4: Analysed a PCAP file to find information

Using the pcap file located on the Downloads subdirectory within the kali user home directory (SA.pcap), I used reconnaissance to capture the traffic using Wireshark.

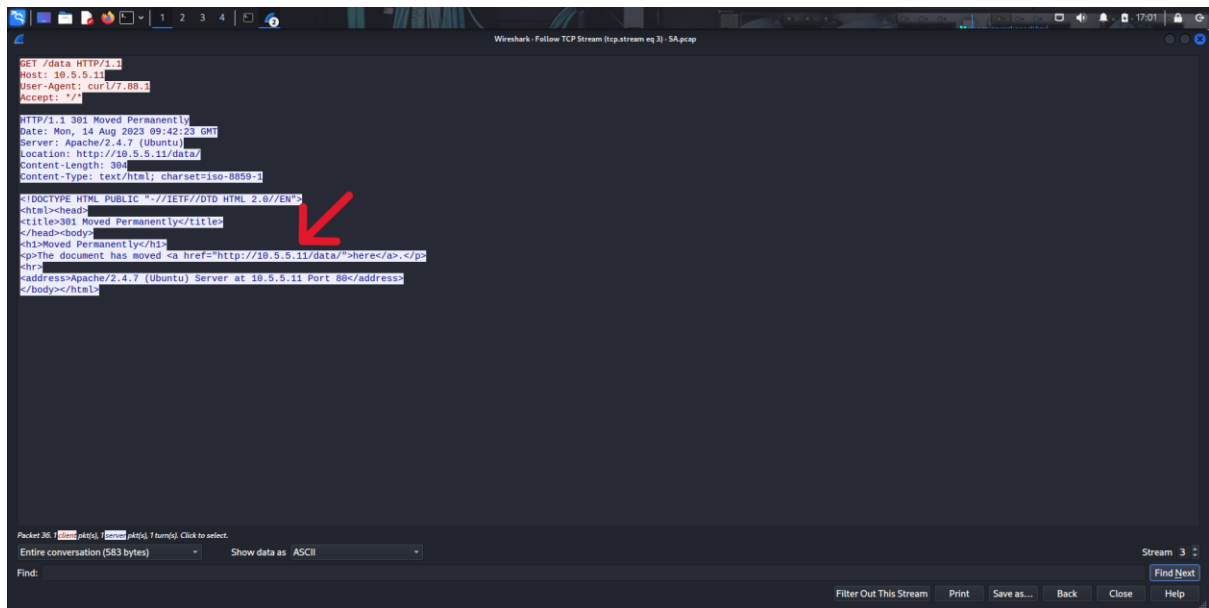


Step 1: Find and analyse the SA.pcap file

Analyse the content of the PCAP file to determine the IP address of the target computer and the URL location of the file with the challenge 4 code

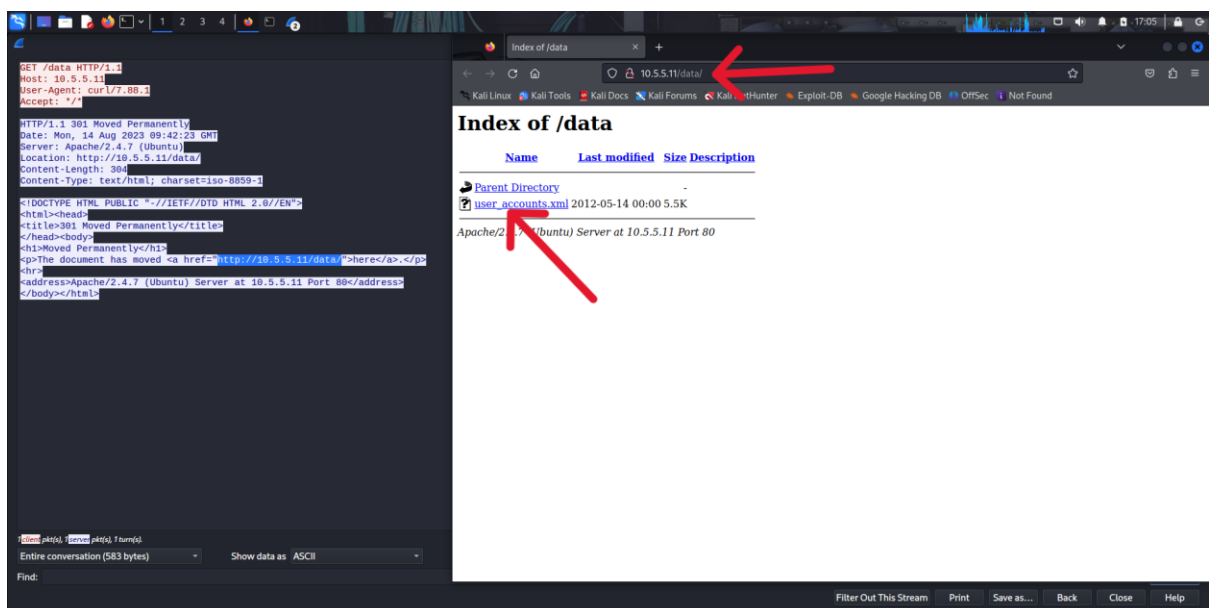


Follow the TCP streams to see paths revealed in the captured traffic.

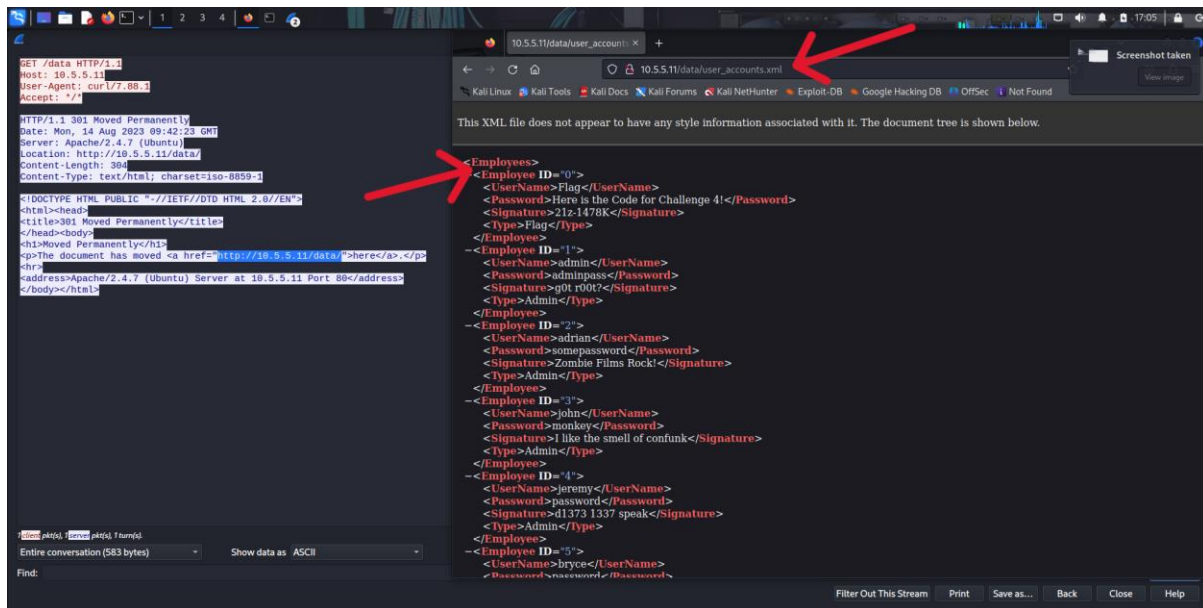


Step:2 Use a web browser to display the contents of the directories on the target computer.

Use a web browser to investigate the URLs listed in the Wireshark output. Find the file with the code for challenge 4



What is the content of the file



Step 3: Research and propose the remediation that would prevent file content from being transmitted in clear text.

There are two key remediation methods that would help prevent unauthorised viewing of the file contents:

- Data encryption by rendering data unreachable without a key
- Implementing robust access controls like strong passwords, multifactor authentication, and permissions.