

CSCI-2201

Lab-3

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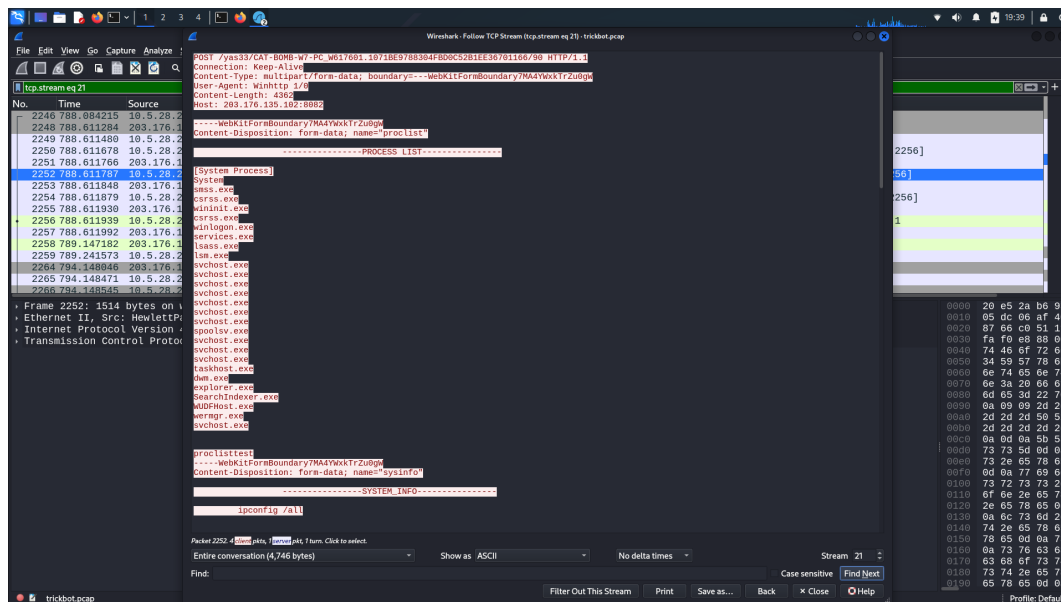
1 Exercise 1

1.1 HTTP GET vs POST

Both GET and POST are HTTP request methods used to indicate the purpose of the request. GET requests are used to retrieve a resource from the server (aka a file), without changing state (so the resource is unchanged in the server).

On the other hand, POST requests are used to send data to the server with the purpose of updating a resource (or creating one of the specified resource does not exist), unlike GET requests, a POST changes the server's state, such that duplicated POSTS can result in different effect/responses (2 duplicated GET requests will always have the same response).

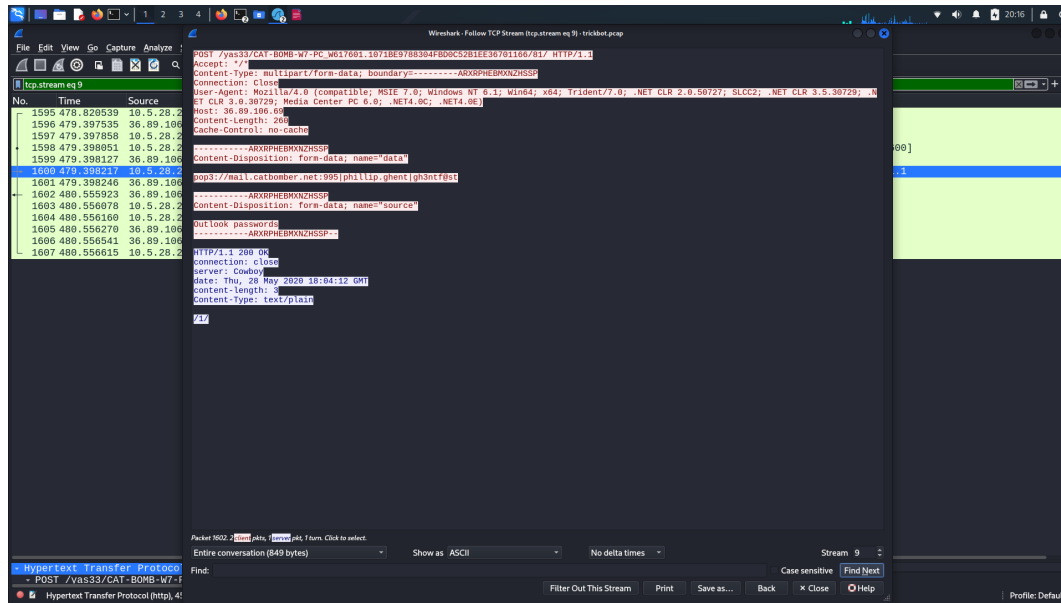
1.2 TCP stream



- **HOST NAME:** Cat-Bomb-W7-PC
- **DOMAIN NAME:** catbomber.net

2 Exercise 2

2.1 TCP stream



- **Email:** phillip.ghent@mail.catbomber.net
- **Password:** gh3ntf@st

3 Exercise 3

The attacker disguises the executable files as .png files

4 Exercise 4

4.1 Prevention:

Stricter policies need to be defined regarding the interaction with any external emails and to avoid pressing on any links. Spam detection frameworks should also be used to reduce the amount of such emails that reach the users.

4.2 Protection:

Once a device have been identified to have been infected with malware, it needs to be immediately disconnected from the network.