

Homework Assignment #2 – Web – Part II

Practical Cyber Security Fundamentals (CTF), Spring 2017
Department of Computer Science, Florida State University

Points: 30

Due: Beginning of the class (5:15pm) on February 6, 2017

Submission: You need to submit electronically via Blackboard by uploading a text file (named “hw2-Firstname-Lastname.txt”) for your answers and programs to the problems; you need to combine all the parts into a single file. Here replace “Firstname” using your first name and replace “Lastname” using your last name in the file name.

The main purpose of this assignment is to let you be familiar and become comfortable with web fundamentals and be able to develop solutions toward solving CTF problems in the Web category. You need to show your work in order to receive full credit.

Problem 1 (15 points) Get the flag.php file:

<http://n0l3ptr.internetzninja.com/web2/index.php?page=home>

Problem 2 (15 points) Get the flag out of the users table in the database:

<http://n0l3ptr.internetzninja.com/web2/index.php?page=traced>

(**Hint:** you need to use sqlmap --level 3.)

Substitution problems In the case that you cannot make progress in solving one or both of the above problems after several attempts, you can substitute each of such problems using a problem in a previous CTF competition where write-ups are available with three conditions: 1) Each substitution problem must be challenging to you. In other words, after you read the problem several times, the solution is not obvious to you; 2) it must be in the web category and the problem must be about the web; 3) while you can use the available write-ups for hints, you need to develop and document your own solution. For each substitution problem, you need to identify the problem and the CTF event clearly. You can find the available write-ups at <https://github.com/ctfs> .