

Project 4

Due November 20th, 2003 at 4pm

Project description

Read a paper that deals with worms and write a report on that

1. Search the Web, conference proceedings and journals for a research paper that addresses worm problem
 - a. It can either be a paper analyzing how worms behave (propagate, break into a machine, mutate, etc.)
 - b. Or it can be a paper proposing worm defense system
 - c. It can even be a document written by a hacker describing how to write buffer overflows or how to exploit vulnerabilities
 - d. Find a paper that we **did not** cover in class and that seems interesting
2. Read the paper
3. Submit a report consisting of the following sections, clearly labeled:
 - a. **Problem description.** Which problem does the paper attempt to solve? How important is this problem?
 - b. **Solution description.** Detailed description **in your own words** of the proposed solution. Include all relevant equations and graphs and their explanation. What do they prove?
 - c. **Solution discussion.** Do you think that the solution is a good idea? Will it work? Will it be expensive? Will it have any negative effects? List any advantages/disadvantages of this solution that you can find. Did the author omit some experiment that you would like to see?

Report should be 3-4 pages long

Project Submission Instructions

Place the PDF or PS file containing your writeup in a folder named "YourName_project4" (naturally, replace YourName with your name, e.g. I would create a folder named JelenaMirkovic_project4). Tar and zip this folder and send it as attachment by E-mail to **sunshine@cis.udel.edu**.