

Assignment 5

Computer Security

Submit your write-up as a pdf document on blackboard. Include your full name at the writeup. Name the writeup as x-assignment5.pdf, where x is your first and last name.

1. Chapter 6, Exercise 16. When a new domain is created, e.g. yourdomain.com, a table in the .com domain has to receive an entry for yourdomain. What security attack might someone try against the registrar of .com who is the administrator of the .com table during the creation of yourdomain.com?
2. Chapter 6, Exercise 25. How can a website distinguish between lack of capacity and a denial-of-service attack? For example, websites often experience a tremendous increase in volume of traffic right after an advertisement displaying the site's URL is shown on television. The spike in usage is the result of normal access that happens to occur at the same time. How can a site determine when high traffic is reasonable?
3. Exercise 27. A distributed denial-of-service attack requires zombies running on numerous machines to perform part of the attack simultaneously. If you were a system administrator looking for zombies on your network, what would you look for?