

IMT3501, software security,review Storsveen exercice #02

Jan Samuelson Lindemann, 120926

September 26, 2014

Abstract

This is the review of 02_120928_Storsveen.pdf

1 Is the case chosen an electronic id solution/contains electronic id?

In my opinion the case presented is a electronic ID solution.

2 Race conditions

2.1 Are two or more race possible conditions presented?

Yes.

2.2 Are these really race conditions?

Both of the race conditions are good examples of a race condition.

2.3 Do you find simultaneous operations on the same resource where the outcome depends on which operation is executed earlier/faster than the other?

I dont think i can see any other race conditions on the system as it is described here.

2.4 Does the outcome violate a security goal?

The first race condition would possible result in a party not getting the right ammount of votes and would be a major failure in a voting system. The second race condtion would possibly lead to an attacker being able to vote several times on behalf of other voters, another major failure in a voting system.

3 Countermeasures

3.1 Are countermeasures presented?

Yes

3.2 Do the countermeasures address the race conditions?

Yes, both ways of addressing the race condition are from what i can tell textbook solutions on classic race conditions.

4 Is the overall presentation of the case specific or is it too abstract to be of value?

I found the overall presentation specific enough for the electronic ID solution presented, the examples chosen where easy enough to understand and i thus did not see the need of any figures etc. but this is ofcourse something that can improve article when dealing with more complex topics.

5 Bonus: Is there at least one reference that is not just a URL, but refers to a scientific article?

There are no references that refers to a scientific article.

6 grade

Pass