Peer Review - Group 12

Reviewed by group 9

Summary

In this report, the author indicated that the problem owner is The National Cyber Security Centre (NCSC). The authors have narrowed the scope by looking at a large Dutch online bank. The authors have identified the four most active botnets, namely BOT c_conficker, MPD, BOT dyre and BOT gamut. The authors have looked at four different approaches on how the problem owner can deal with risk, namely Risk Avoidance, Risk Acceptance, Risk Mitigation and Risk transfer. The approach that is often used is Risk Mitigation. The actors have found four other actors that could influence the security issue. For each of the actor, the authors have discussed the strategies that the actors can follow to reduce the problem. The authors have calculated the Return On Security Investment (ROSI) and for the strategy (Risk Mitigation) of the problem owner. The authors have shown that the ROSI value will be 180% if the problem owner wants to mitigate 70% of the risk. Therefore the problem owner should invest in the strategy, but the problem owner should spend more money to mitigate more risk, as this leads to a lower return.

Strengths of the assignment

- Report was easy to read.
- Clearly stated the problem owner
- You have also shown what the return would be for the owner if they have spent more on money to mitigate more risk.

Major Issues

- It is not explicitly said what your metric says about the security performance of the actor (large Dutch online bank).
- It is not explicitly explained why the strategies of some the other actors is different from the problem owner.
- When looking at whether the strategies have changed over time, you have only looked at one strategy. The analysis is missing for the other strategies.

Minor Issues

- You don’t need to keep repeating who is the problem owner; in your report there are a lot of “our problem owner, the bank,.....”
- You have two sections that are called “Risk Strategies”. This might be confusing.
- It was a bit confusing on how you calculated the solution if the problem owner wants to mitigate 75% of the risk.