

Peer Review - Group 13

Reviewed by group 9

Summary

In this paper the authors focused on three actors: ISP, Consumer and Manufacturer. For each actor, a countermeasure is given. There are two countermeasures that can be deployed by an ISP. One is to scan the traffic and the other is to scan for the IoT devices of the client. For an ISP it is easier to deploy the second countermeasure. This countermeasure benefits the users the most and not the ISP. But this countermeasure can also raise the reputation of the ISP. The countermeasure for a consumer is to change the default password of their IoT devices. Under the assumption that the consumer is able to change the default password of their IoT devices, then the cost is minimal for the consumer. The countermeasure of a manufacturer is to allow the consumers to change the default password. However, it seems like that this countermeasure does not provide that much benefit to a manufacturer. Authors has done two statistical analysis on two factors to see their influence on their metrics.

Strengths of the assignment

- Quick recap is given, so that the readers can get familiar with the subject.
- Report was quite easy to read.
- Discussion on which metrics the factors have an influence on.
- Analysis of costs is not only focused on money.

Major Issues

- It is unclear how the second countermeasure of ISPs can have less issue with clients that are concerned with their privacy. They could be afraid that ISP could be gathering other data from their IoT devices
- The countermeasure of the consumer (this also applies for manufacturer) may not work in the future. Authors should have mentioned that they were working on the an assumption that in the future, attackers will only try to target their attack on default passwords.
- *“As most malicious machines will probably be turned on most during the day”* - No source to support this claim.

Minor Issues

- “*still the benefit of the ISP not taking part in botnet related incidents....*” - How can it provide compensations to the ISP if they are not taking part in the botnet related incidents?
- Missing the word “we” in the following sentence in “if no incentives for the actors are found, discuss whether there” ?
- “*because of the speed of light*” - what added value does this give to your explanation that delays exist in the network?