Review of: "Pros and Cons of Key Escrow Agreements in Cloud"

M. Vigilson Prem

Potential competing interests: No potential competing interests to declare.

Authors proposal is to store the encryption keys in cloud with security.

A very hot topic and also an open topic for research.

Authors main proposal is a method to be used in the event of key loss.

Appreciations for selecting a challenging area and a more specific issue.

Comments.

Chapter 3, authors already stating that there are many other implementation methods. It is required to present the positives and negatives of those existing methodologies also.

Note that, when authors talking about Clipper chip-set (US Government) they say that the chip-set itself a failure one due to privacy violation. This is applicable for any such type of security methods. Finally, we are going to depend on any one method which is going to be controlled by one user.

Under Clipper Chip Title, 4th paragraph it was mentioned as Clipper Ship (typo error)

Chapter IV, authors talked about CSP. What is the privacy level of it? What is the trust level of the owner of that SP? What is the assurance that the user key is not shared with 3rd party? Though they can not see / access the keys, can they share it with 3rd party?

In “Cons.” Section, it was mentioned that there is no any perfect solution. Instead, the authors could have defended their solution as better one compared to the existing one.

The core challenge still persists. i.e finally all these operations are going to be in the control of human being only. What is the assurance that that person is not leaking information or at least related information keeping business in his mind.

Final Point.

The topic selected is very challenging and interesting.

Proposal presented is incomplete. The entire paper is theoretical and no any algorithmic or mathematical support. Further, no any experimental findings. Also, it is not a review article.

One narrow and simplest method is presented. The paper will be a complete one if the suggested modifications are made.