Project Milestone

Marcus A. Zimmermann

Marcus.Zimmermann1@Marist.edu

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Abstract

Healthcrypt provides physicians with a personal repository for confidential patient information. After creating an account and logging into the application, the physician is presented with a homepage from which he or she can create, read, update, and delete patient records. These records are presented as a form, prompting the physician for the patient's age, height, weight, and other basic information. Encryption comes into play when the form is saved, and the physician returns to his or her homepage. Each entry in the form will be encrypted individually before being stored together, as a record in a database with multiple values. If the physician wishes to read and/or update the form after it's initial save in the database, each value in the record will have to be decrypted before being displayed in the form again. Lastly, the physicians' usernames and passwords will also be encrypted before being stored. This web application is not intended to protect information in transit. It simply provides secure storage for sensitive medical records.

Introduction

Describes the motivation of this work and outlines the rest of the paper.

Background

Describes what other researchers in the same area have done, and how they perhaps could be improved.

Methodology

Describes what is the approach taken in this paper.

Experiments

Describes the experiments performed, including details on the data used.

Discussion

Examines the results of the experiments and draws some conclusion about their significance.

Conclusion

Summarizes the paper and its findings.

References

Gives properly formatted references to other scholarly work that this work is built on. Note that the references should be scholarly, which means things like refereed conference and journal articles. Importantly, that rules out things like most websites, basic textbooks, and press articles.