Project Report: DickGrayson

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1 Introduction

DickGrayson is a collection of tools that allow a user to encrypt and decrypt messages using the RSA encryption algorithm and embed and extract messages (either plaintext or ciphertext) from BMP images and WAV audio files.

2 Tools

`munchkincrypt` RSA Encryption

`dorothy` RSA Attacks

`munchkinsteg` Steganography

`toto` Steganography Attacks

3 Agline Programming

4 Test-Driven Development

5 RSA Encryption

6 Steganography

6.1 BMP Image Files

6.2 WAV Audio Files

7 Division of Labor

7.1 Sam Gwydir

Responsibilities Build Tools, Travis-CI, Coveralls, Miscellaneous

Contribution 25%

7.2 Martin Fracker

Responsibilities Steganography Embedding/Extraction

Contribution 25%

7.3 Christopher Findeisen

Responsibilities RSA Attacks

Contribution 25%

7.4   Rafael Moreno

Responsibilities RSA Encryption/Decryption

Contribution 25%

7.5   Kyle Wilson

Responsibilities Steganography Attacks

Contribution 25%

8   Conclusion

9   Sprint Reports