Practical Cryptography

Course work ONE – Secure File transfer server (SFTP)

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# Section 1: Introduction

To be reviewed

# Section 2: Application Choice

* This section will discuss what application I choose (SFTP). The application design plan and the application functionalities.

## 2.1: Application Design Plan

* How I will design the application

## 2.2: Application Functionalities

* I want to use rsa, AES, and sha256 as my main cryptographic algorisms

# Section 3: Application overview

* This section will be discussing the code and the application. I will start with how to run the application and then dive deeper into how I implemented every cryptographic algorithm and what it is used for.

## 3.1 How to Run the Application

## 3.2 Testing Application Functionalities

## 3.3 Algorithms Used

# Section 4: Security Concerns