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Abstract

A PGP cryptosystem that combines shared key encryption, public-key encryption and certificates to send image files and captions between two clients.

Network and Internetwork security

Practical Assignment

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# Communications Implementation

## Documentation on communication process

## Keys Exchange process

*For the key exchange process we used a Key Distribution Center (KDC) to set up and authenticate a session key between the two clients: Bob and Alice.*

# Security Implementation

## Message Integrity

*We sent an encrypted hash of the message contents using the other clients public key to prove message integrity.*

## Message Authentication

*We authenticated the communication session at the beginning with the kdc and then every X messages(?).*

## Message Confidentiality

*We used this encryption on our messages to keep them confidential and we used this because of the good reasons that will be listed.*

# System Design and Functionality

## Compression

*Lynn and Chelsea talk about the compression.*

## Shared Key Usage

*Jonno, Lynn and Chelsea talk about setting up and continued usage of the shared key(s) during the system including the master shared keys with the kdc(?).*

## Ordering of System

*How does the system run, how do we execute the events. Once the system is integrated the person who integrates it needs to make the structure and everyone else can fill in the blanks*

# Testing Procedure