Java Privacy Guard

An implementation of the OpenPGP Message Format for IAIK-JCE

by: Stefan More <smore@student.tugraz.at>
Advisers: Dieter Bratko, Peter Lipp

Problem:

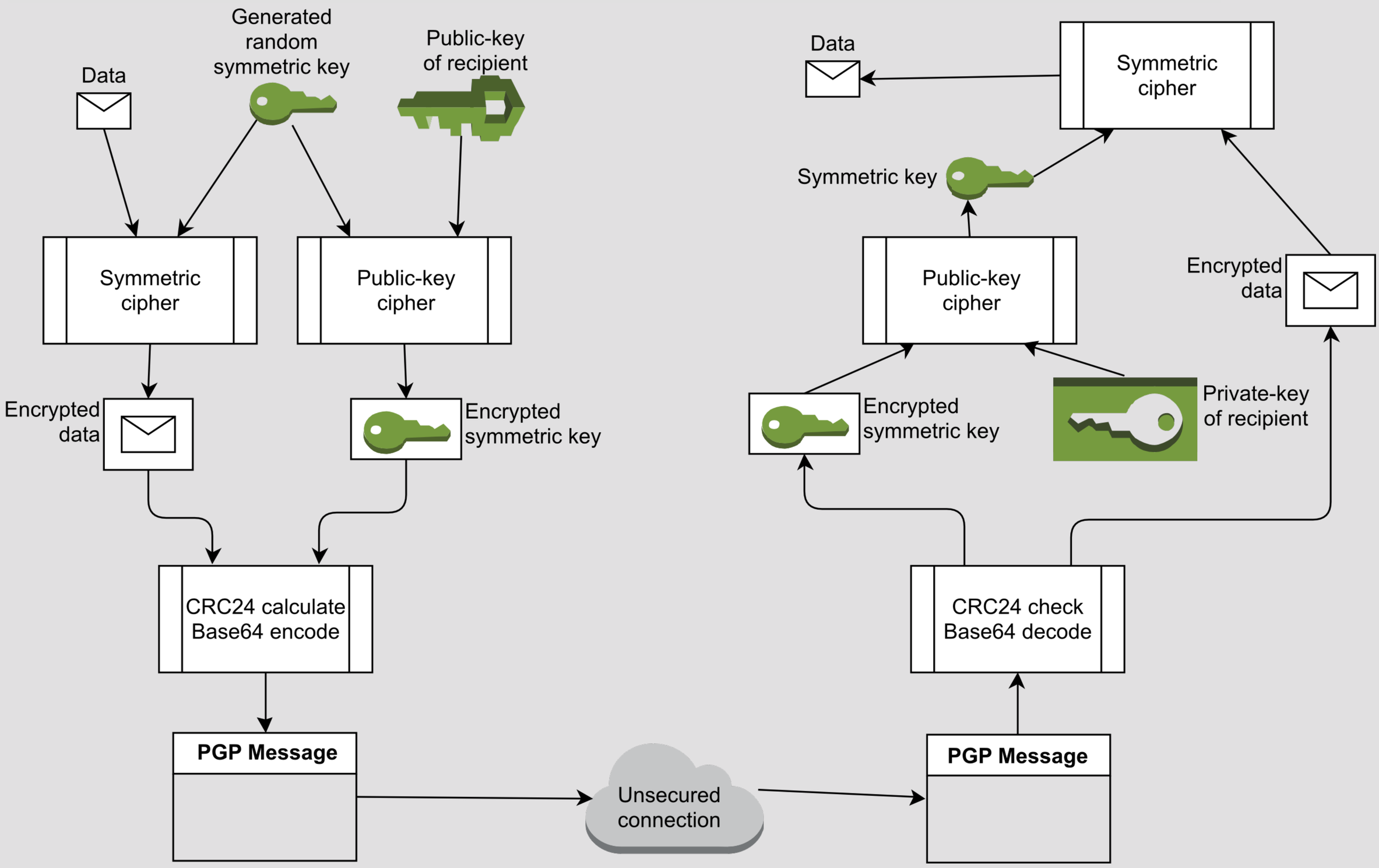
OpenPGP is a non-proprietary protocol for encrypting and signing data. It combines public-key and symmetric cryptography.

IAIK's set of Java-based tools lacks an implementation of PGP. Yet.

Goals:

- Implement RFC 4880 (OpenPGP) in Java
- Test interoperability with other implementations
- Evaluate integration in the Java JCA
- Implement a user interface to demo the lib

Principle of OpenPGP encryption & decryption:



Resources:

- *RFC 4880 (OpenPGP Message Format)*: https://tools.ietf.org/html/rfc4880
- *IAIK Java Cryptography Extension:* https://jce.iaik.tugraz.at
- *This project's source code*: http://jpg.2904.cc