

# SignArch

An architectural case study of Signal

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# Signal: A messaging app known for security

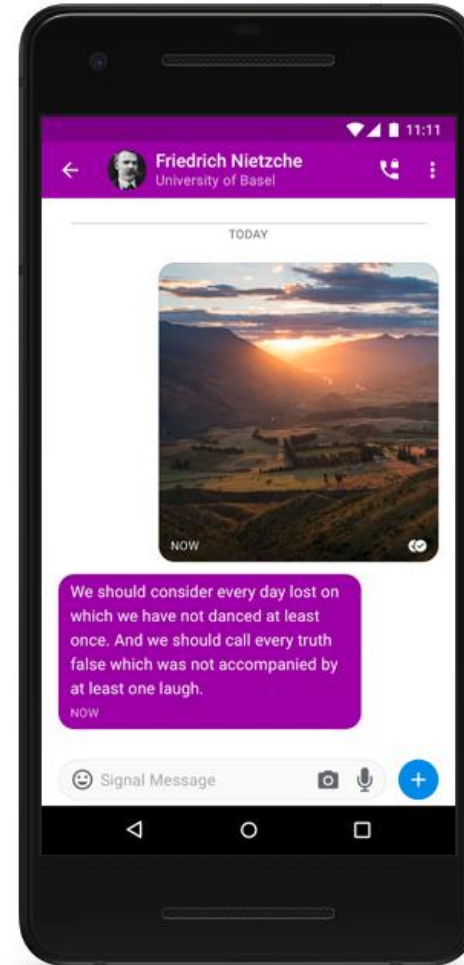
Fast, simple, secure.

Privacy that fits in your pocket.

 Android

 iPhone

 Desktop



# Requirements

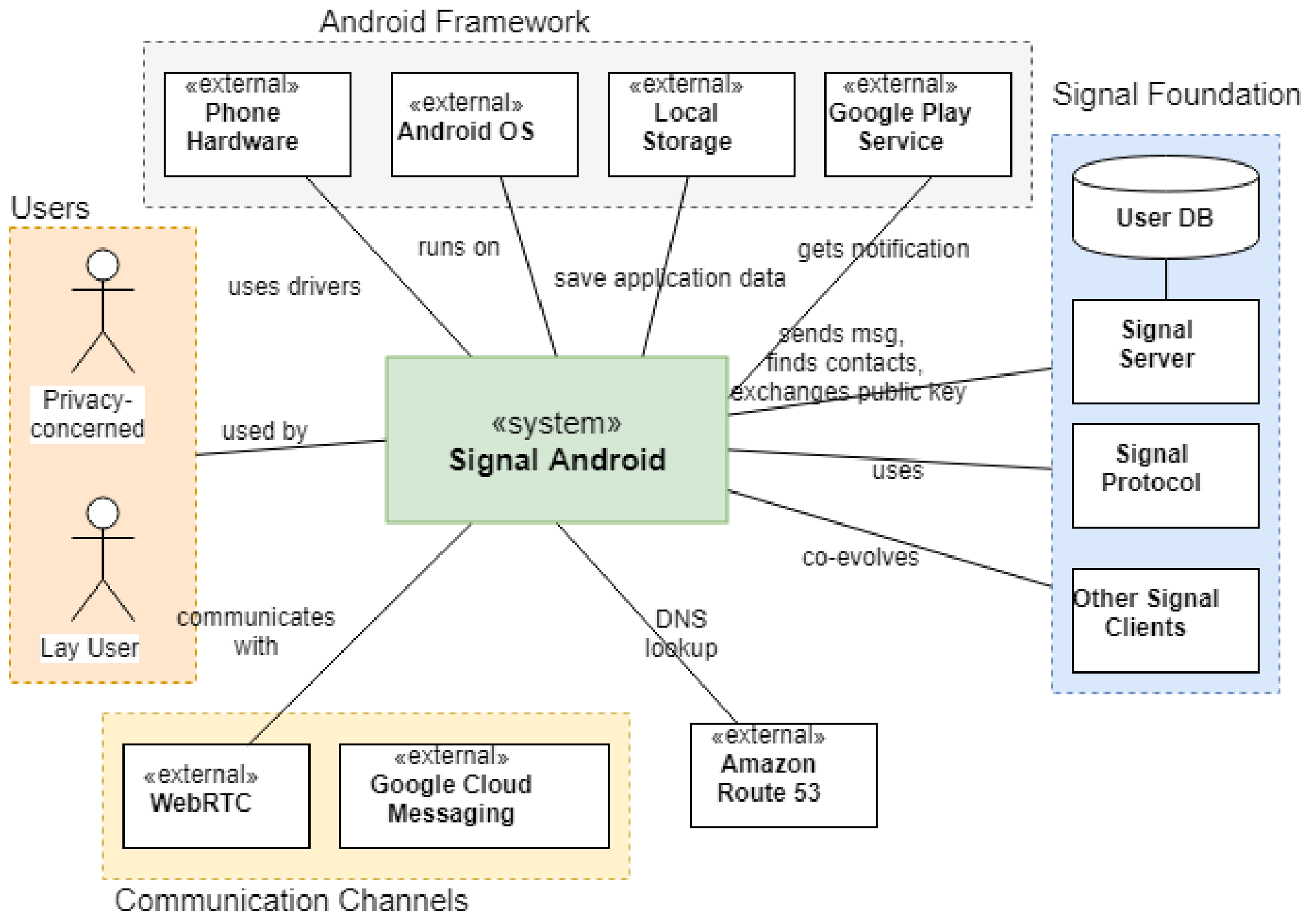
## Functional Requirements:

- Text messaging
- Voice chat
- Video chat

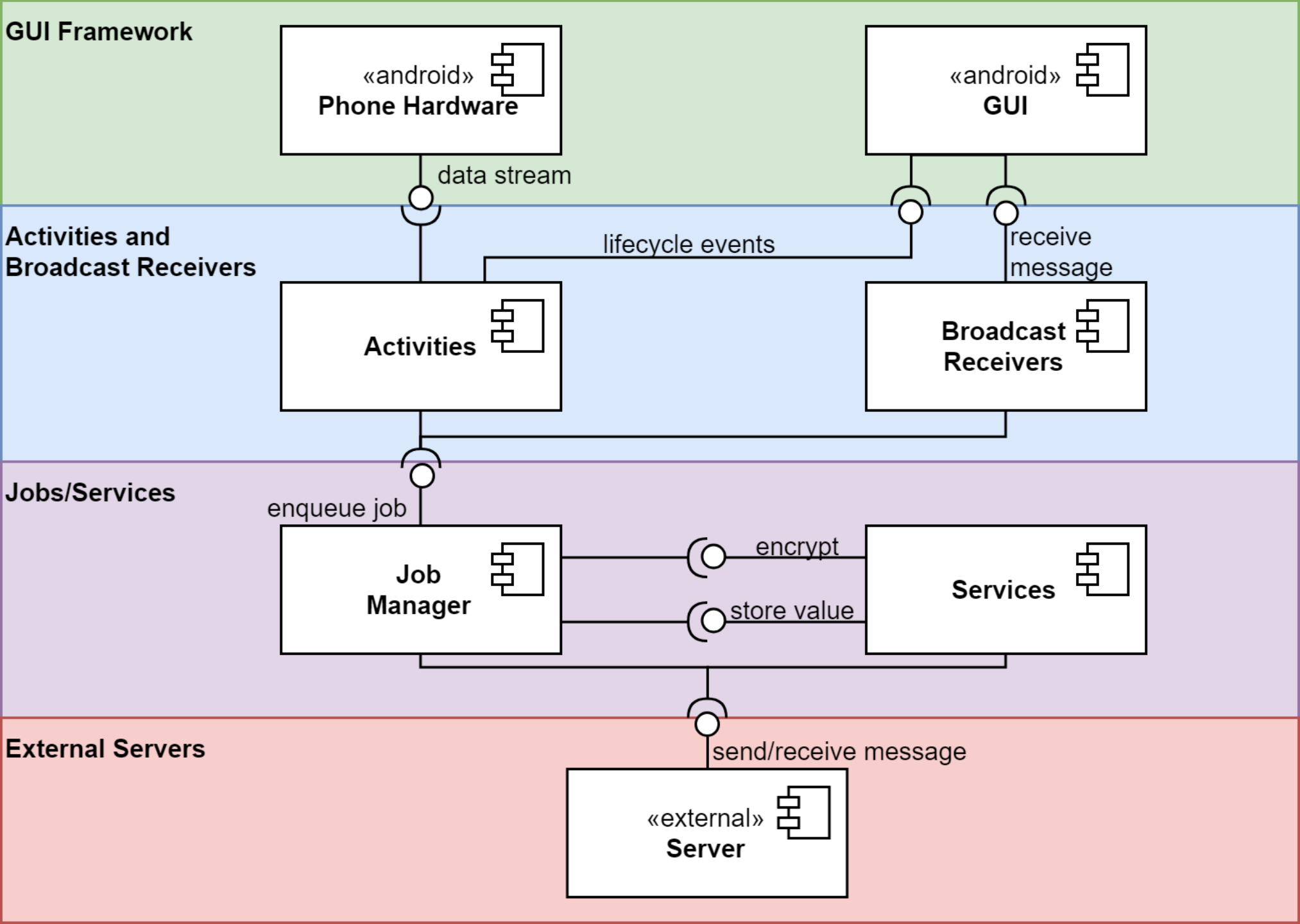
## System qualities:

- Private, secure conversation
- High availability
- High-quality, low-latency voice/ video call

# Context

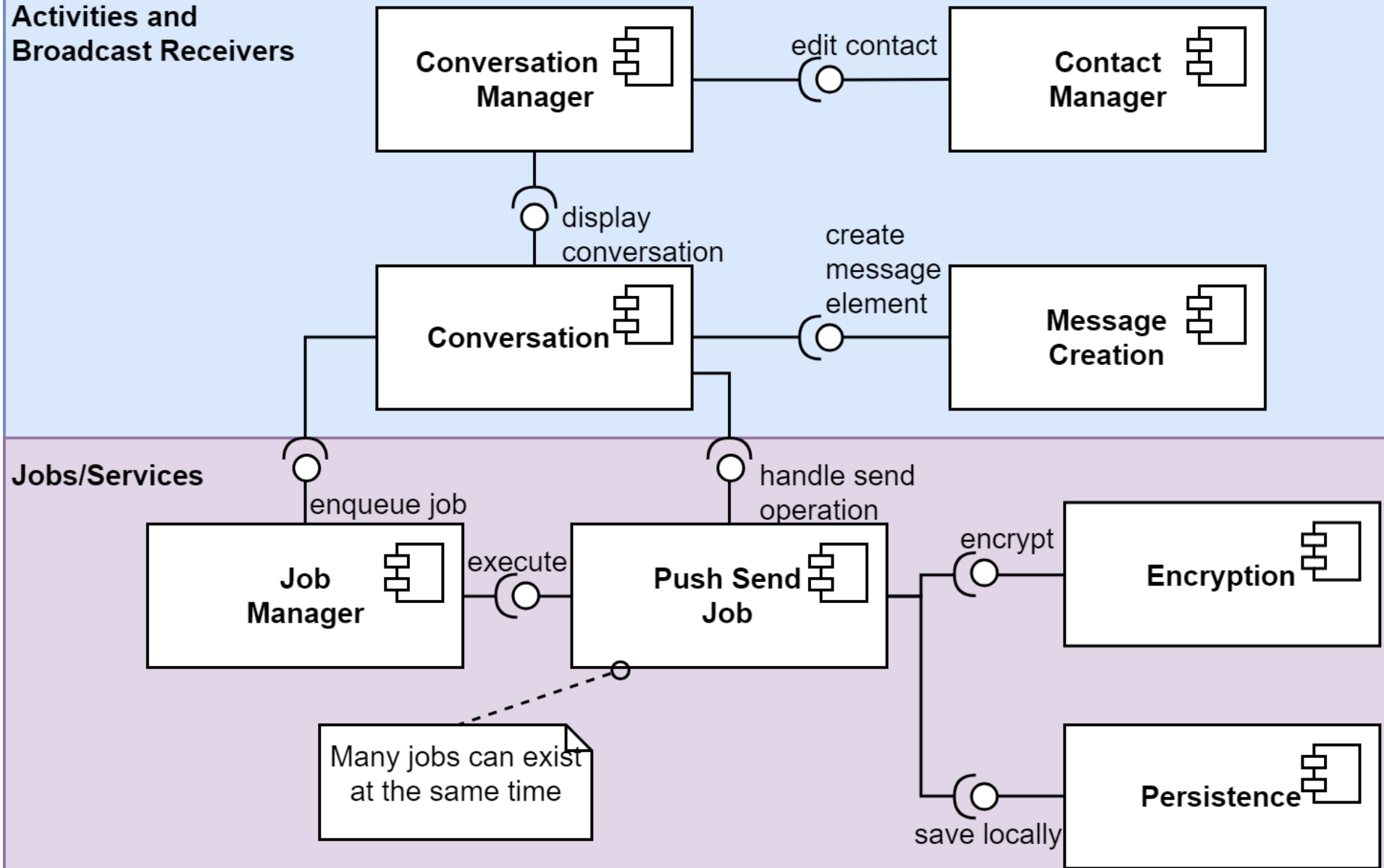


# Functional Overview

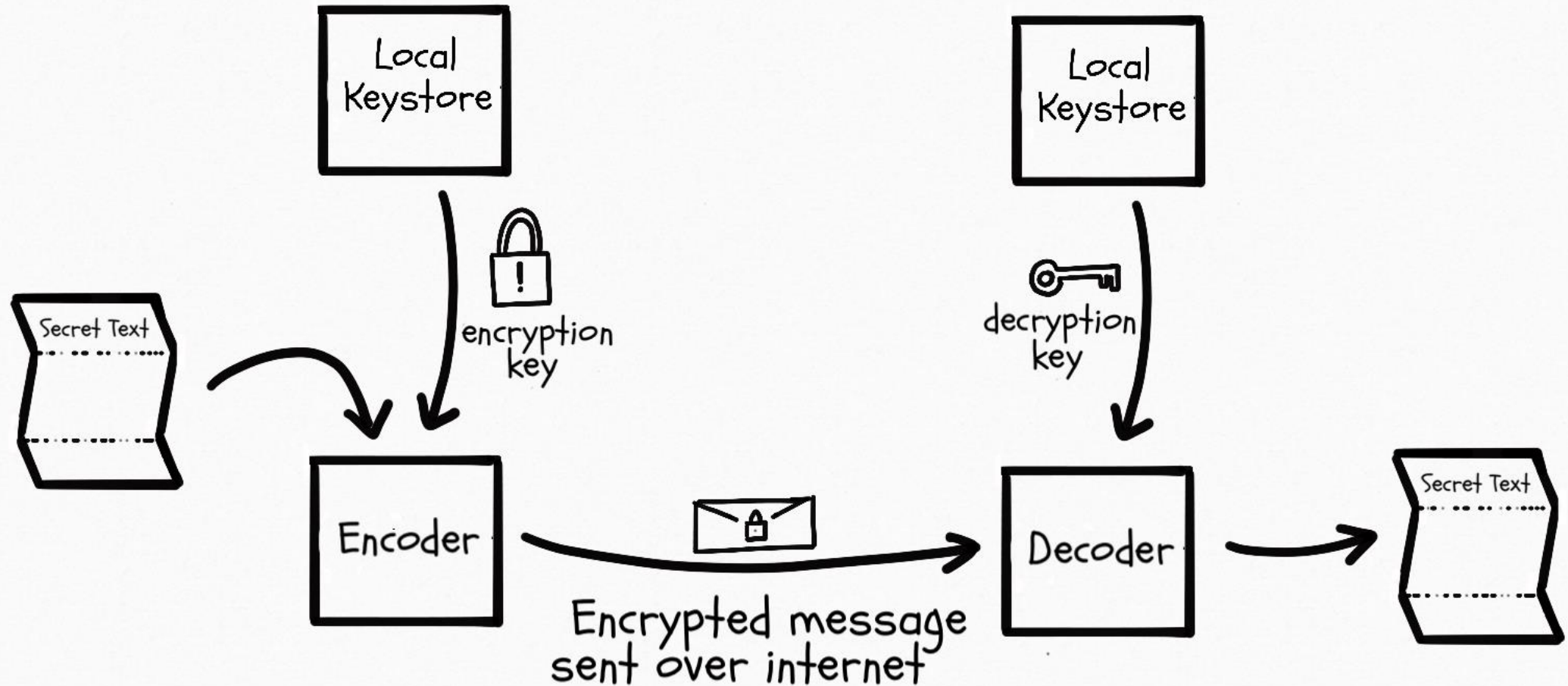


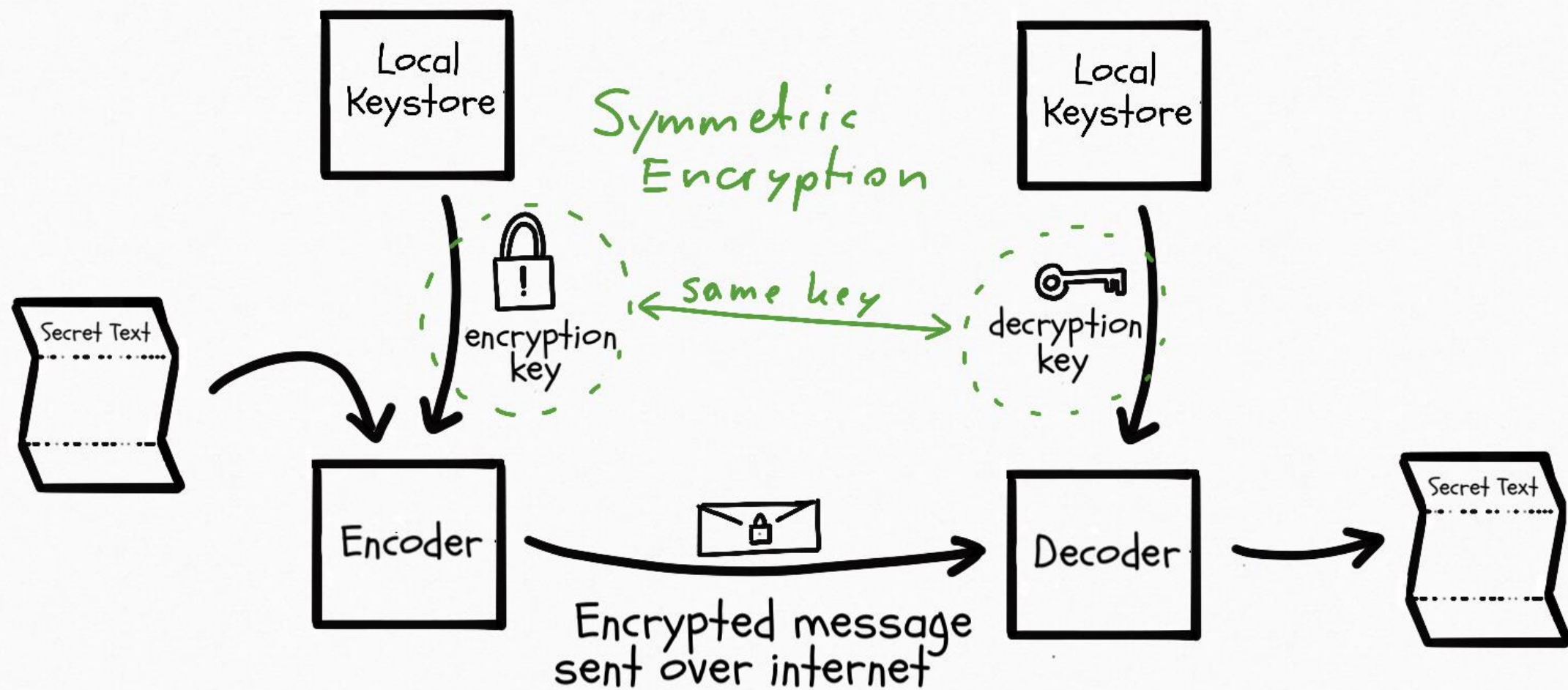
# Functional Overview

## Activities and Broadcast Receivers

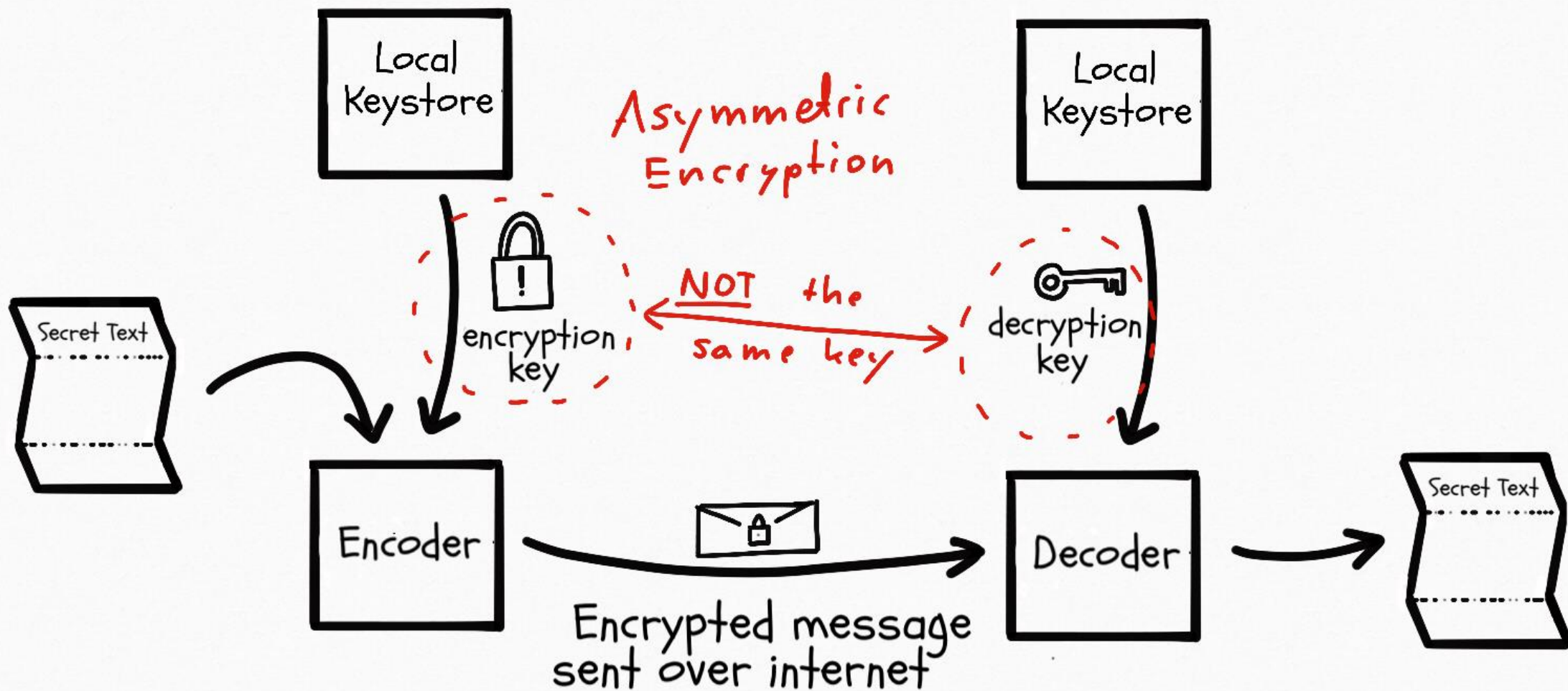


# Key management in the context of *End-to-end encrypted* messaging

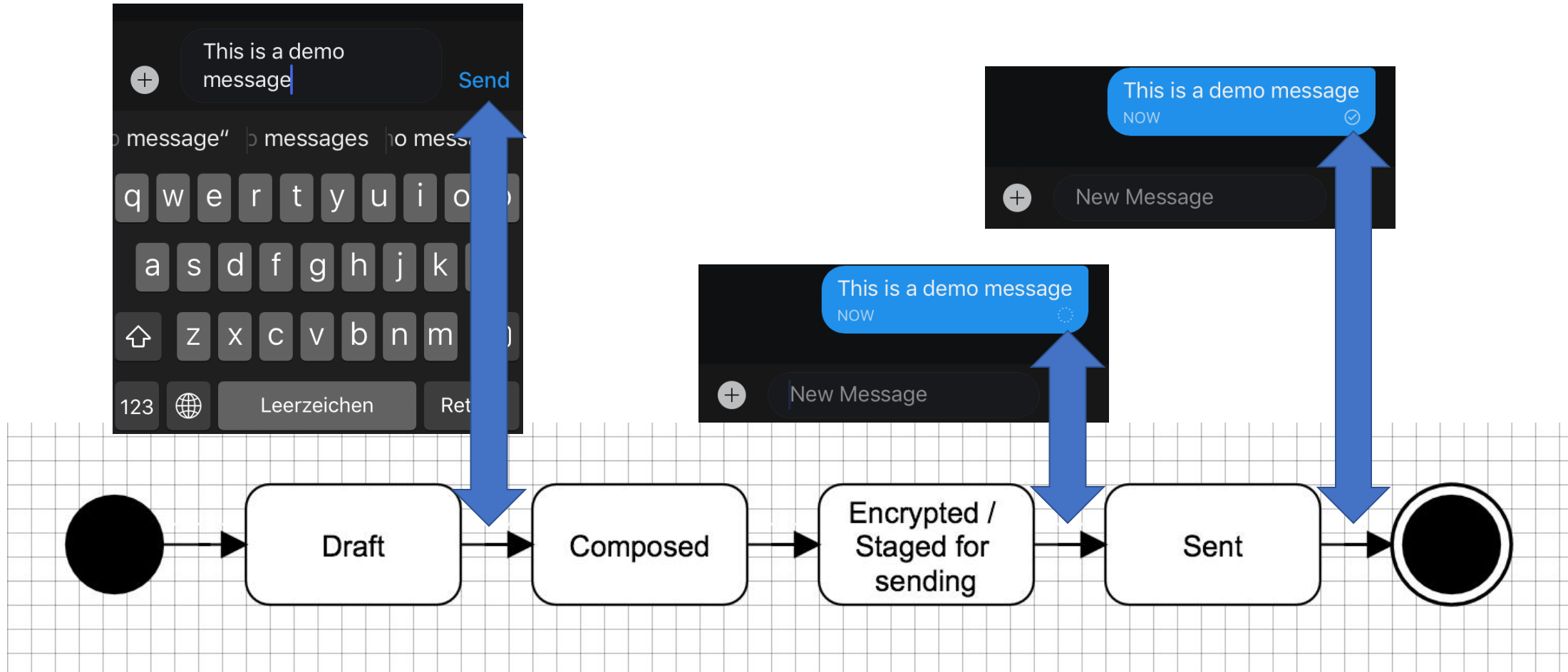




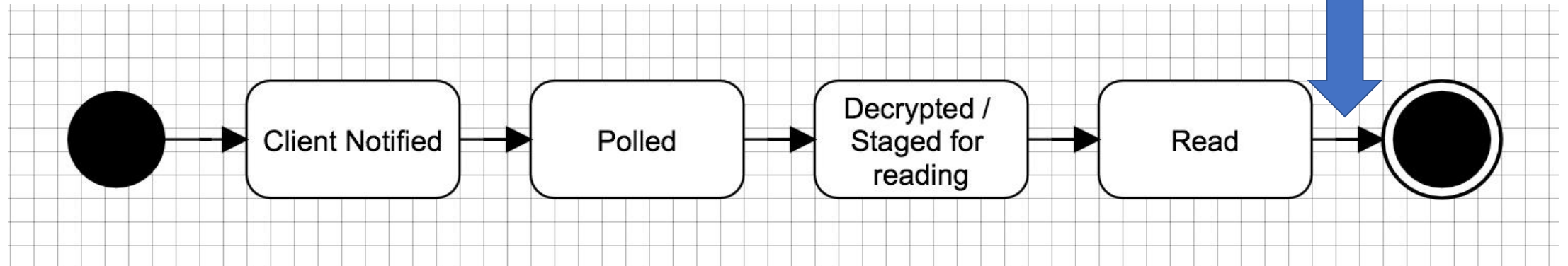




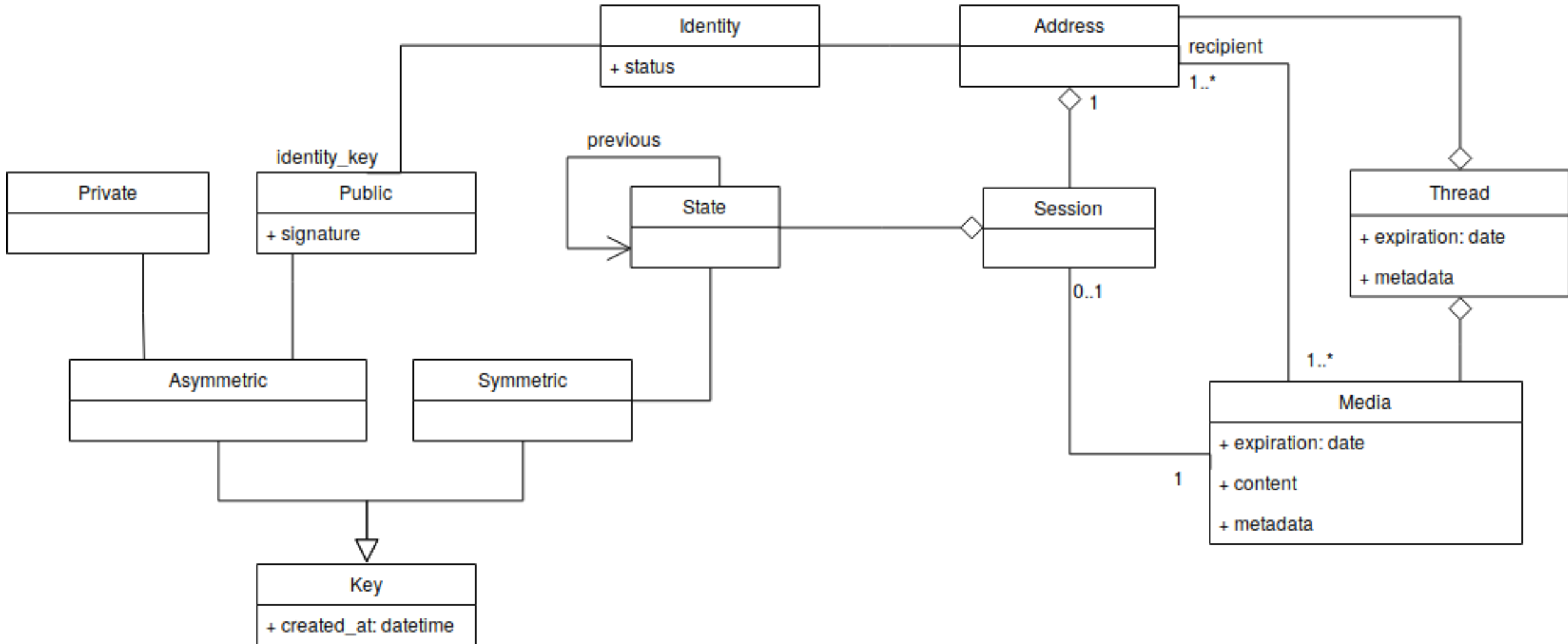
# Signal's message pipeline (Sending)



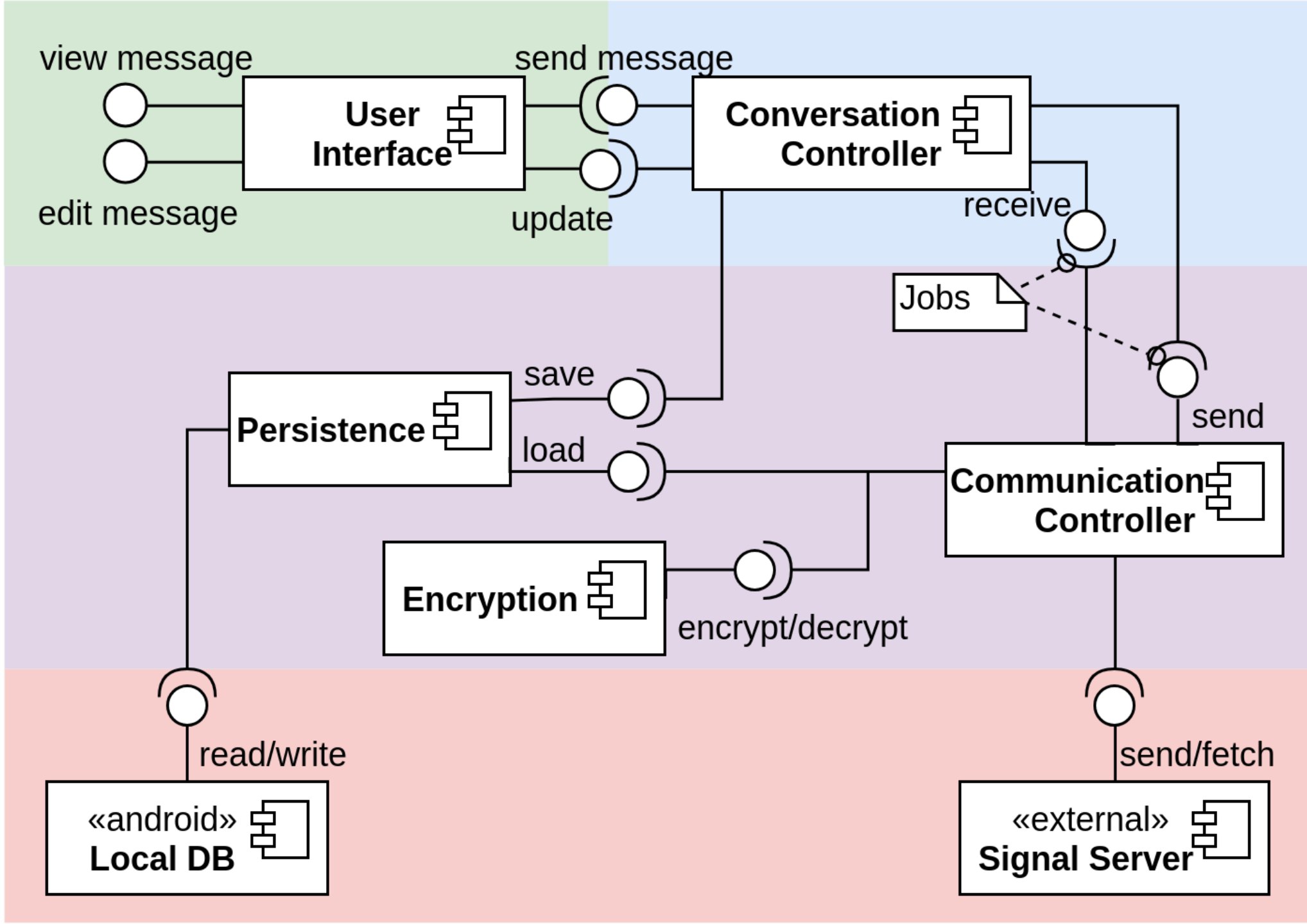
# Signal's message pipeline (Receiving)



# Key management and media



# Sending Messages





## Awesome group

Tap here for settings

Group created.

Hey Mathieu, gg !

NOW



Mathieu Nassif

Yeah! Good job team!

NOW

MN



New Message

