

Open, Mobile, and Linux: Android G1

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What is that thing?

- The T-Mobile G1 is a smart phone.
- A smart phone is a computer.
- Android makes the smart-phone go.
- Android is Linux!



Finally, Robotic Beings Rule the World!



ANDROID

Android is
Open Source.



Apple:

A step in the right
direction



Apple:

A controlled
user experience



Google:

Openness is good for
the software industry.



Freedom!



WEIRD — MY CODE'S CRASHING
WHEN GIVEN PRE-1970 DATES.



The Android Platform

- Application separation
 - Each application is digitally signed
 - Each application runs as its own user
- Applications can't interfere with each-other
- Anyone can upload signed apps to the Market
- Well-defined API for inter-process communication
- **Translation:** Good fences make good neighbors



Platform: What Are Intents?

- Android's method of inter-process communication
 - ACTION: org.openintents.ACTION.ENCRYPT
 - Parameters: org.openintents.EXTRA.TEXT
 - Return Value: org.openintents.EXTRA.TEXT
- **Translation:** Here's a picture of a cute kitten:

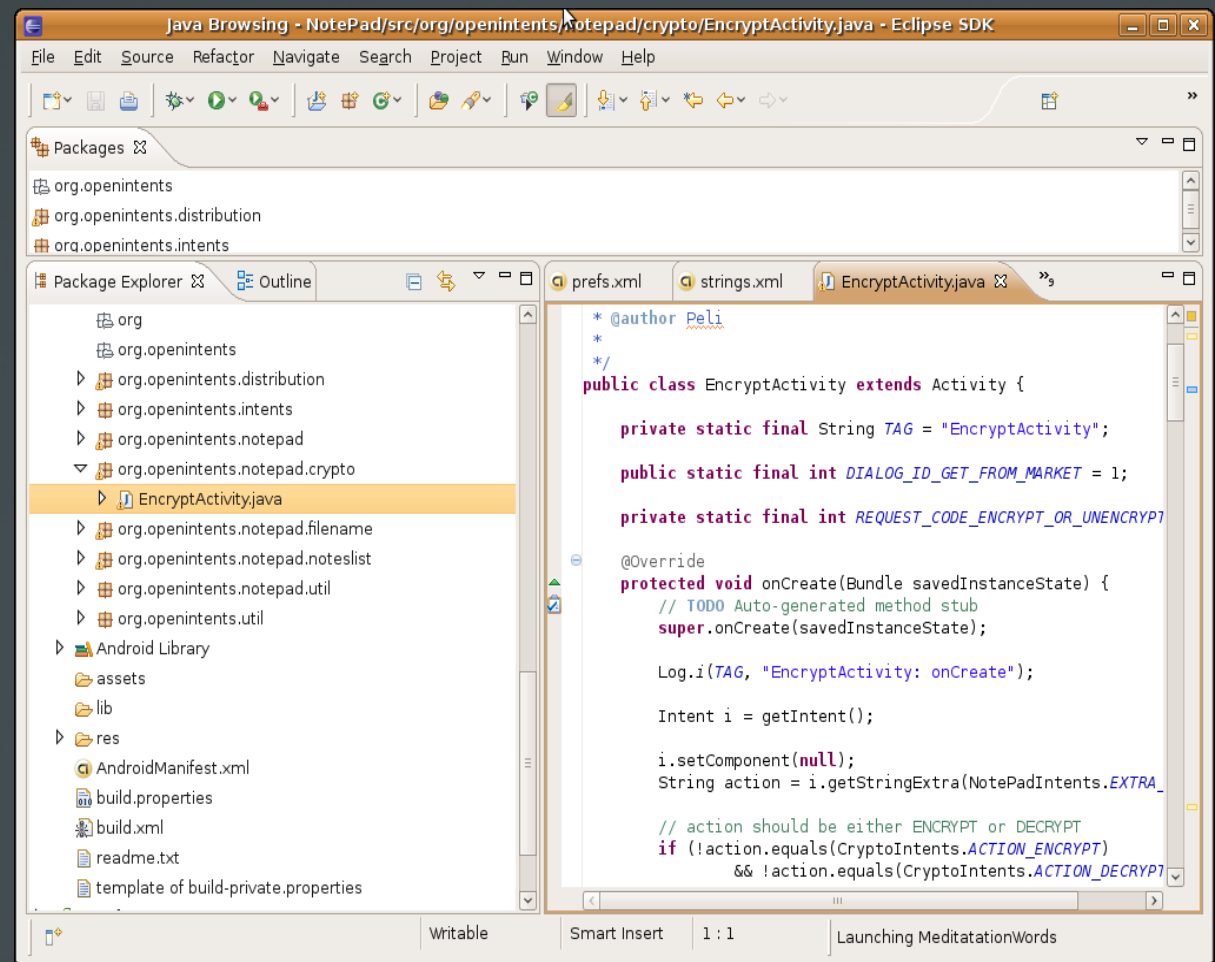
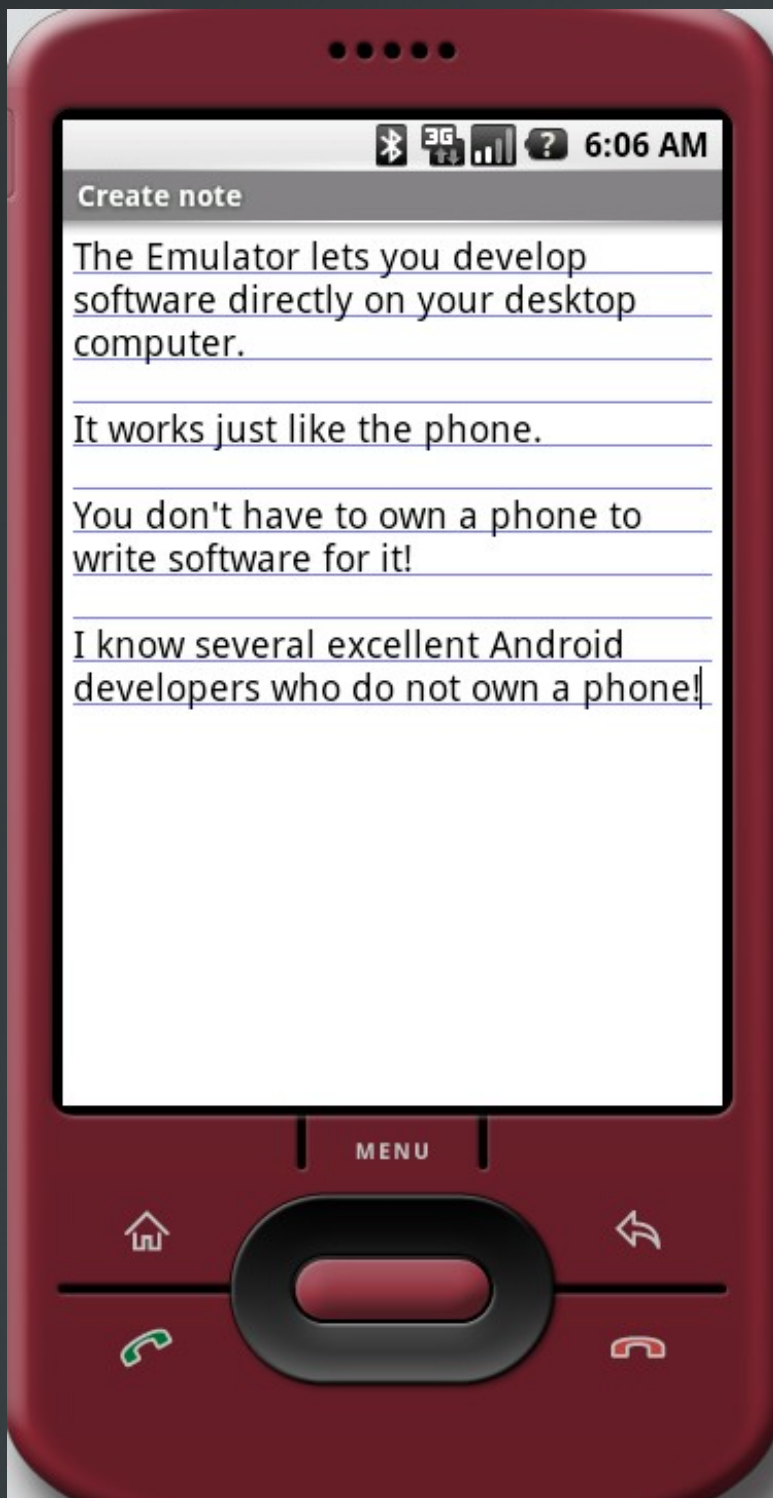


Intents & the OpenIntents Project

- Intents combine capabilities of multiple apps
 - Smart-phone application mashups!
- OpenIntents:
 - A hub for open source Android applications
- Focus on application inter-operability
 - Create re-usable "Intents"
- Bring open-source concepts to the way applications on your phone interact.

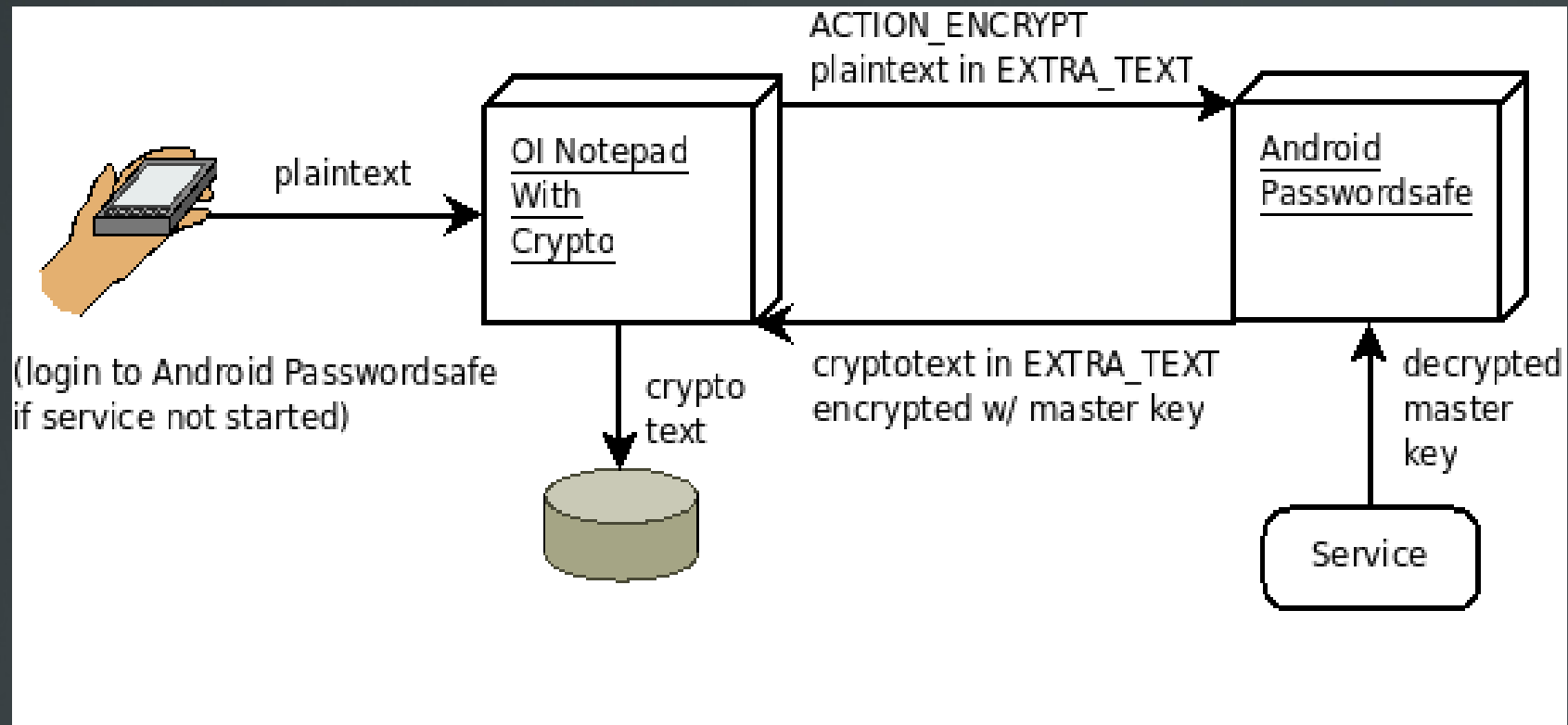


Development: Java, Eclipse, Debugger, Emulator, User Interfaces, and SQLite



Crypto Intent

(The nerdy program I wrote)



Translation: Encryption is the reason you can't understand a word I'm saying.



Collaboration



Android Ventures

- Open source is not inconsistent with ventures
- You **can** write closed-source apps for Android
 - All Market apps are currently free, but this will change
- Might be interested in starting some kind of venture



Social Entrepreneurship

Social Businesses compete in the marketplace with all other competitors but are inspired by a set of social objectives.



Meditation Words:

Sell Android Apps &
Donate the Proceeds



Getting Involved in Android

- OpenIntents: (Google for "openintents")
 - Needs Translators, Testers, Documenters
- Developers:
 - Download the SDK (Google for "android sdk")
 - Try "Hello World" Tutorial
 - Pick an OpenIntents project to work on:
 - Notepad
 - Shopping list
 - RSS Reader
- You don't need a phone to try it out!



Local Android Action

- Don Park's IceCondor: "open source continuous location tracking".
- Android Meetup (Mobile Love, Android Style)
 - Developers & Power Users
 - Check upcoming.yahoo.com
 - Lucky Lab – SE Hawthorne
 - Every 2nd Monday @ 6PM



Thank You!

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- I like giving talks :)

