

Private and Secure Computing

Rules of Engagement in a Digital Mass Surveillance World
for private persons, SMBs, corporations, and governments

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Offerman Consulting

Raaphorst 121

2352 KJ Leiderdorp

The Netherlands

Tel: +31-71-5891606 (CES)

Web: <http://www.offerman.com/>

Contact: <http://www.offerman.com/contact/>

PGP key: http://www.offerman.com/Adrian_Offerman/pubkey.asc

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Mobile — CyanogenMod — Google Apps for Android

CyanogenMod

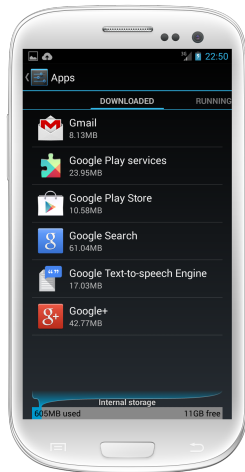
Installing the Google Apps for Android I

- ▶ the CyanogenMod operating system image does not contain the **Google Apps** (e.g. Gmail, Maps, YouTube) that are standard part of the stock system image; Google does not allow it
- ▶ meaning that there is currently no way to install apps from the **Google Play Store** (another Google App)
- ▶ fortunately, CyanogenMod provides the Google Apps as a separate zip file to install
- ▶ if you haven't yet downloaded this zip file to the /sdcard/ directory on your mobile device, do it now, e.g. using **SFTP**:
 - ▶ the zipped **Google Apps for Android**
- ▶ an alternative is to download the zip file directly from the internet into your Downloads/ directory

CyanogenMod

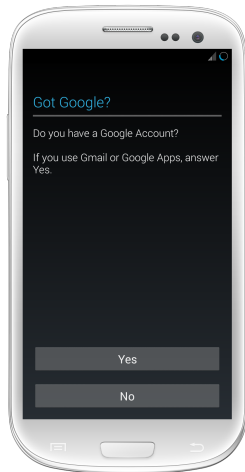
Installing the Google Apps for Android II

- ▶ reboot while holding the HOME, POWER, and **VOLUME-UP** buttons
- ▶ to enter the ClockworkMod Recovery menu
- ▶ use the VOLUME buttons and the POWER button (or touch) to select the option to install the zip file:
'backup and restore' → 'install zip from sdcard' → 'choose zip from (external) sdcard'
- ▶ select the Gapps zip file previously placed into the /sdcard/ directory
- ▶ confirm the installation of this image



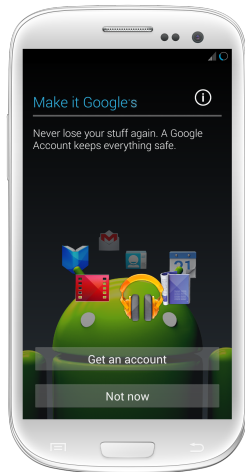
Installing the Google Apps for Android III

- ▶ after rebooting, and then each time you touch a Google app, the Google Setup Wizard starts a dialogue asking you to connect to an existing account or to open a new account
- ▶ suggesting your stuff is not safe without a Google Account
- ▶ while in fact, it's not safe with them!



Installing the Google Apps for Android IV

- ▶ unfortunately, Google does not allow you to download apps from their store without being logged in
- ▶ so we create a completely new Google account for each install, unrelated to other devices and other installs
- ▶ that we try to keep as scarce and isolated as possible
- ▶ but first we will try to disarm Google's privacy-intruding apps as much as we can using the Privacy Guard and other tools
- ▶ so **click 'Not now'** for now!



Google Apps for Android

What's next:

- ▶ Privacy and security related settings
- ▶ Features
- ▶ Blocking advertisements

Colofon

Contact

Adrian Offerman

Offerman Consulting

Tel: +31-71-5891606 (CES)

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Contact: <http://www.offerman.com/contact/>

PGP key: http://www.offerman.com/Adrian_Offerman/pubkey.asc

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