

[acal](#), [android](#), [debian](#)

[aCal](#) is an Open Source calendar application for Android that can synchronize with a caldav server. This article explains the compilation under Debian wheezy.

install the required packages

```
bash$ aptitude install git sun-java6-jdk ant proguard
```

get the source code

```
bash$ cd ~
bash$ mkdir aCal
bash$ cd aCal
bash$ git clone git://gitorious.org/acal/acal.git acal
```

get the android sdk and install it

[Download](#) and extract the archive. I have extracted it in the `~/aCal/android-sdk-linux` directory.

Run the installer to retrieve the required packages:

```
bash$ cd ~/aCal/android-sdk-linux/tools
bash$ ./android
```

Choose Android SDK platform tools and the Android API matching the version on your Android device (2.3 for my Galaxy S).

Then display the available targets (android compilation versions):

```
bash$ ~/aCal/android-sdk-linux/tools/android list targets
```

You have something like:

```
Available Android targets:
-----
id: 1 or "android-10"
  Name: Android 2.3.3
  Type: Platform
  API level: 10
  Revision: 2
  Skins: WQVGA432, WVGA854, WVGA800 (default), WQVGA400, QVGA, HVGA
  ABIs : armeabi
```

```
-----  
id: 2 or "Google Inc.:Google APIs:10"  
Name: Google APIs  
Type: Add-On  
Vendor: Google Inc.  
Revision: 2  
Description: Android + Google APIs  
Based on Android 2.3.3 (API level 10)  
Libraries:  
* com.android.future.usb.accessory (usb.jar)  
  API for USB Accessories  
* com.google.android.maps (maps.jar)  
  API for Google Maps  
Skins: WQVGA400, WVGA854, HVGA, WQVGA432, QVGA, WVGA800 (default)  
ABIs : armeabi
```

For my Galaxy S under 'Android 2.3.4' the target is 'android-10'.

link proguard

To compile you need `proguard.jar` in the path. Locate the `proguard.jar` file installed in the first section and link it in the `acal` source directory.

```
bash$ sudo updatedb  
bash$ locate proguard.jar  
/usr/share/java/proguard.jar  
bash$ cd ~/aCal/acal/proguard  
bash$ ln -s /usr/share/java/proguard.jar
```

DO NOT USE PROGUARD, THIS DOES NOT WORK YET. Edit the `build.xml` file, and comment the `optimize` target call in the `-post-compile` target:

```
<target name="-post-compile">  
<!--  
<antcall target="optimize"/>  
-->  
</target>
```

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