# Vulnerability in XiXunTianTian (喜讯天天) for Android

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#### **Abstract**

We found that XiXunTianTian 0.6.2 beta has a vulnerability that allows a crafted application to read and modify user's sensitive calendar information without permission, including user's calendar accounts (username and password in plaintext!), user's calendar (contents, events, alerts and friends' birthday).

### 1 Application Information

Please see the following link in our AppSec website:

http://www4.comp.polyu.edu.hk/~appsec/bugs/CVE-2012-1388-vulnerability-in-XiXunTianTian.html

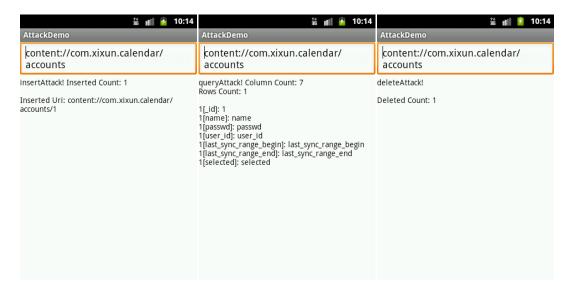
#### 2 Description

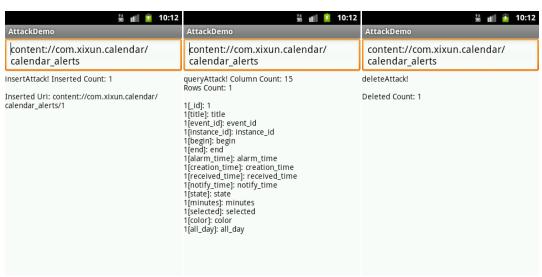
Please see the exposed content providers in the AndroidManifest.xml file, which are not properly protected, as shown in follows:

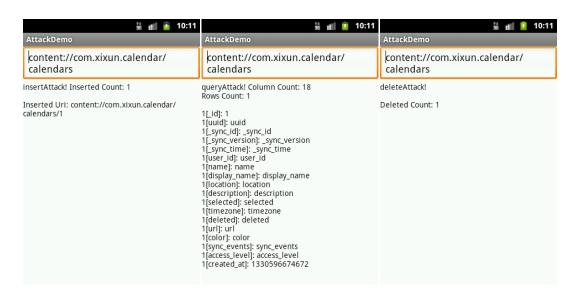
- provider android:name="com.xixun.providers.CalendarProvider"
   android:authorities="com.xixun.calendar" />
- provider android:name="com.xixun.providers.WidgetProvider"
   android:authorities="com.xixun.widgets" />

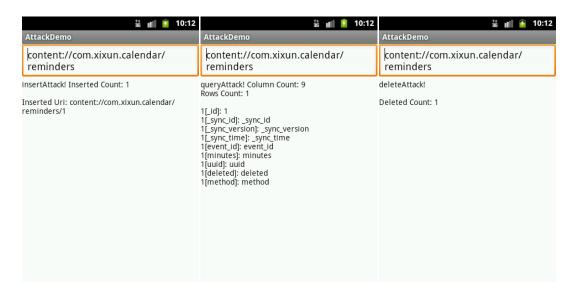
#### 3 Impact

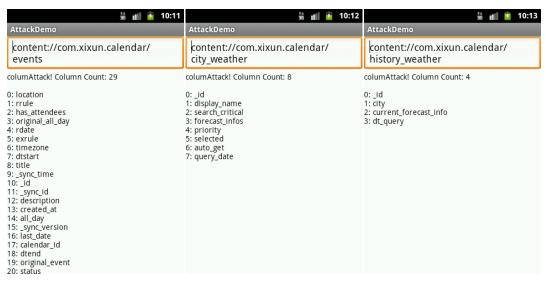
Please see the following snapshots generated by our arrack demo:













#### 4 Solution

Our advice is to set the permission of these application's content providers properly, or avoid exporting these content providers in the AndroidManifest.xml file. Currently, a user could disable the application temporarily and wait for an official update.

## 5 Technical Description

Please see the following exposed content providers and tables:

Content Provider Authority	Table Name
com.xixun.calendar	accounts
com.xixun.calendar	calendar_alerts
com.xixun.calendar	calendars
com.xixun.calendar	city_weather
com.xixun.calendar	events
com.xixun.calendar	history_weather
com.xixun.calendar	reminders
com.xixun.calendar	trackings
com.xixun.widgets	bodhisattva_birthdays
com.xixun.widgets	festivals
com.xixun.widgets	vehicle_limits
com.xixun.widgets	widget_config
com.xixun.widgets	widgets