

# Vulnerability in GO Bookmark Widget for Android

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Mar 2, 2012 at 04:27 PM HKT

## Abstract

We found that GO Bookmark Widget 1.1 has a vulnerability that allows a crafted application to read and modify user's extremely sensitive account and bookmark information without permission, including user's Google and Delicious account (username and password in plaintext!) imported in GO Bookmark Widget, user's all bookmarks in GO Bookmark Widget.

## 1 Application Information

Please see the following link in our AppSec website:

<http://www4.comp.polyu.edu.hk/~appsec/bugs/CVE-2012-1406-vulnerability-in-GOBookmarkWidget.html>

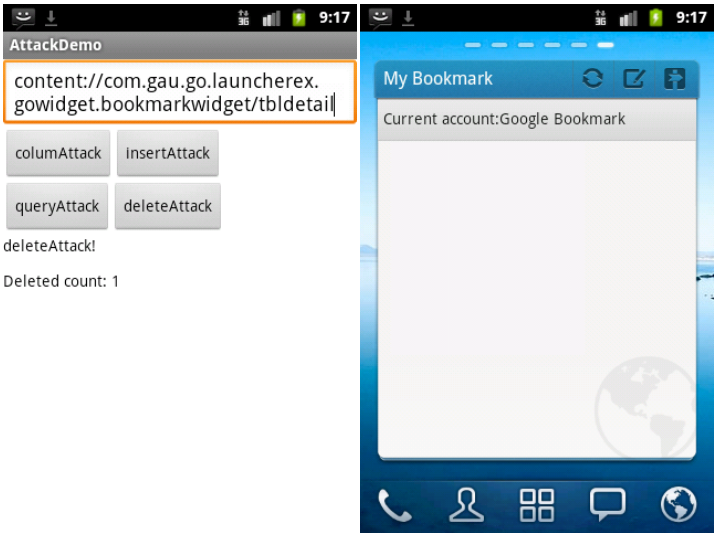
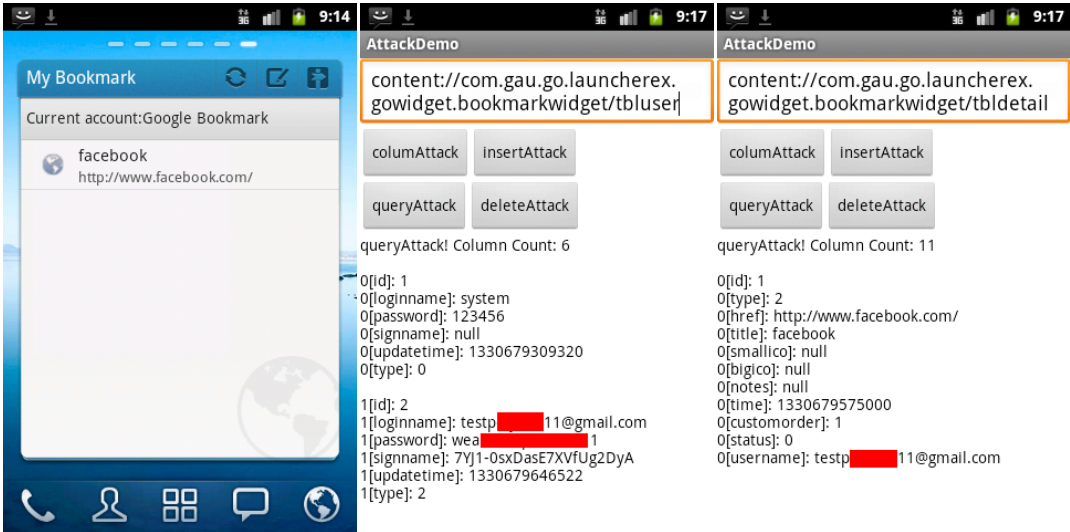
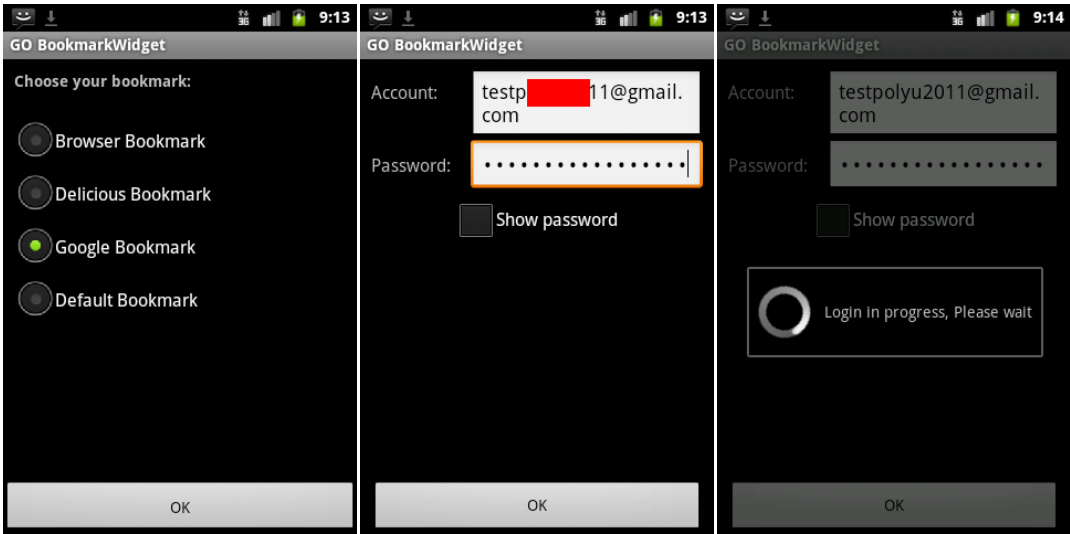
## 2 Description

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

```
● <provider
  android:name="com.gau.go.launcherex.gowidget.bookmark.db.BookMarkProvider"
  " android:multiprocess="false"
  android:authorities="com.gau.go.launcherex.gowidget.bookmarkwidget"
  android:grantUriPermissions="true" />
● <provider
  android:name="com.gau.go.launcherex.gowidget.bookmark.db.LocalBookMarkProvider"
  android:multiprocess="false"
  android:authorities="com.gau.go.launcherex.gowidget.localbookmark"
  android:grantUriPermissions="true" />
```

### 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.gau.go.launcherex.gowidget.bookmarkwidget	tbluser
com.gau.go.launcherex.gowidget.bookmarkwidget	tbldetail
com.gau.go.launcherex.gowidget.bookmarkwidget	tbldetail/id
com.gau.go.launcherex.gowidget.bookmarkwidget	tbldetail/type
com.gau.go.launcherex.gowidget.bookmarkwidget	tblwidget
com.gau.go.launcherex.gowidget.bookmarkwidget	tblnavigation
com.gau.go.launcherex.gowidget.bookmarkwidget	tblview
com.gau.go.launcherex.gowidget.bookmarkwidget	tblload