

# Vulnerability in GO Message Widget for Android

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Mar 2, 2012 at 5:59 PM HKT

## Abstract

We found that GO Message Widget 1.9, 2.1 and 2.3 have a vulnerability that allows a crafted application to read and modify user's sensitive information without permission, including user's all attributes of sms (incoming and outgoing), user's contact numbers.

## 1 Application Information

Please see the following link in our AppSec website:

<http://www4.comp.polyu.edu.hk/~appsec/bugs/CVE-2012-1407-vulnerability-in-GOMessageWidget.html>

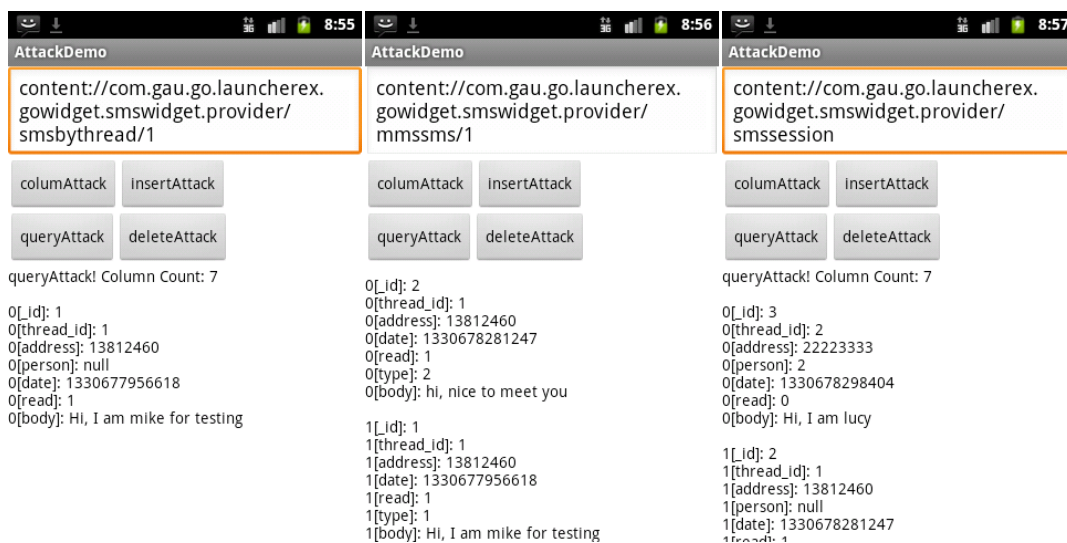
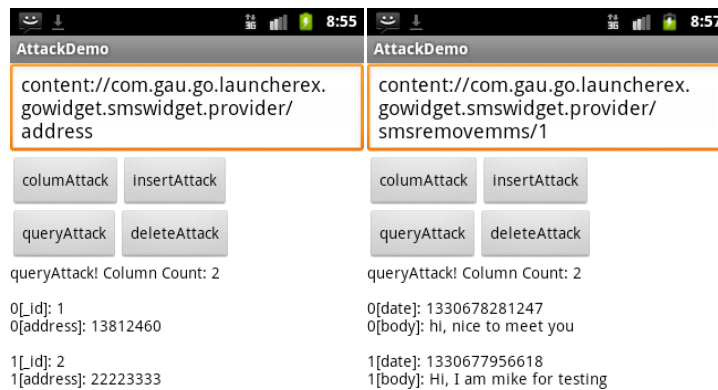
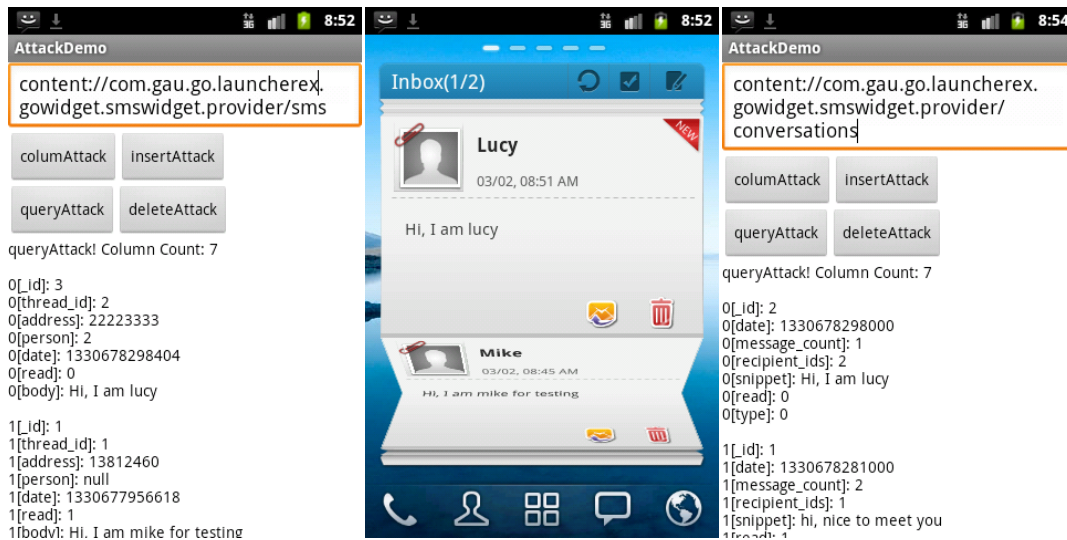
## 2 Description

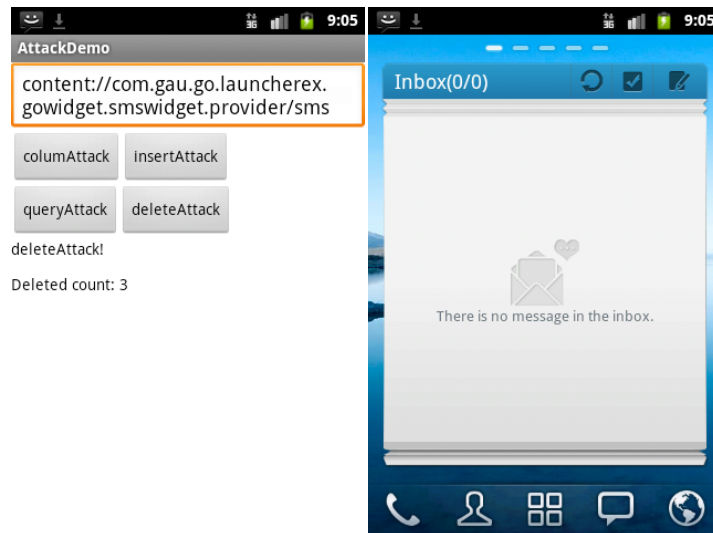
Please see the exposed content providers in the AndroidManifest.xml file, which are not properly protected, as shown in follows:

- ```
<provider android:name=".SmsProvider" android:multiprocess="false"
  android:authorities="com.gau.go.launcherex.gowidget.smswidget.provider2"
  android:grantUriPermissions="true" />
```
- ```
<provider android:name=".DataProvider" android:multiprocess="false"
  android:authorities="com.gau.go.launcherex.gowidget.smswidget.provider"
  android:grantUriPermissions="true" />
```

## 3 Impact

Please see the following snapshots generated by our attack 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.smswidget.provider	sms
com.gau.go.launcherex.gowidget.smswidget.provider	contact
com.gau.go.launcherex.gowidget.smswidget.provider	photo
com.gau.go.launcherex.gowidget.smswidget.provider	smscount
com.gau.go.launcherex.gowidget.smswidget.provider	conversations
com.gau.go.launcherex.gowidget.smswidget.provider	address
com.gau.go.launcherex.gowidget.smswidget.provider	smsbythread
com.gau.go.launcherex.gowidget.smswidget.provider	mmssms
com.gau.go.launcherex.gowidget.smswidget.provider	smssession
com.gau.go.launcherex.gowidget.smswidget.provider	smsremovemms