

Vulnerability in GO Note Widget for Android

Daoyuan Wu*, Xiapu Luo* and Rocky K. C. Chang

The Hong Kong Polytechnic University

{csdwu, csxluo, csrchang}@comp.polyu.edu.hk

Mar 2, 2012 at 3:14 PM HKT

Abstract

We found that GO Note Widget 1.5 and 1.9 have a vulnerability that allows a crafted application to read and modify user's sensitive information without permission, including login name, secret token, notes and tags in GO Note Widget.

1 Application Information

Please see the following link in our AppSec website:

<http://www4.comp.polyu.edu.hk/~appsec/bugs/CVE-2012-1405-vulnerability-in-GONoteWidget.html>

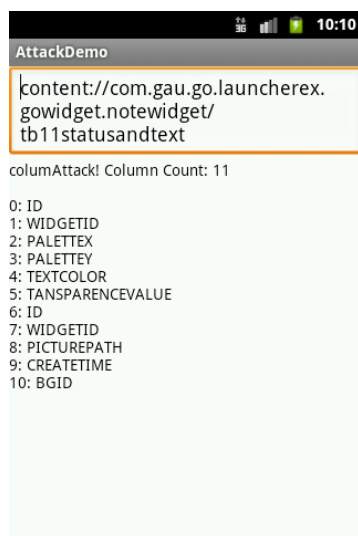
2 Description

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.notewidget.db.NoteProvider"
 android:multitprocess="false"
 android:authorities="com.gau.go.launcherex.gowidget.notewidget"
 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.notewidget | tbnote43          |
| com.gau.go.launcherex.gowidget.notewidget | tbnote22          |
| com.gau.go.launcherex.gowidget.notewidget | tbnote22status    |
| com.gau.go.launcherex.gowidget.notewidget | tbnote11status    |
| com.gau.go.launcherex.gowidget.notewidget | tbnote43tag       |
| com.gau.go.launcherex.gowidget.notewidget | tbnote43user      |
| com.gau.go.launcherex.gowidget.notewidget | tbnote43action    |
| com.gau.go.launcherex.gowidget.notewidget | tablegroup43      |
| com.gau.go.launcherex.gowidget.notewidget | tb11statusandtext |