# Vulnerability in GO WeiboWidget for Android

Daoyuan Wu\*, Xiapu Luo\* and Rocky K. C. Chang
The Hong Kong Polytechnic University
{csdwu, csxluo, csrchang}@comp.polyu.edu.hk
Mar 1, 2012 at 11:53 PM HKT

#### **Abstract**

We found that GO WeiboWidget 2.4 has a vulnerability that allows a crafted application to read and modify user's sensitive Sina Weibo information without permission, including basic attributes of user's Sina Weibo account (user id, username, picture, location and statistics), user's Sina Weibo access token and secret token (in plaintext!), user's friends information in Sina Weibo, user's all comments in Sina Weibo, user's all drafts and direct messages in Sina Weibo, and etc.

#### 1 Application Information

Please see the following link in our AppSec website:

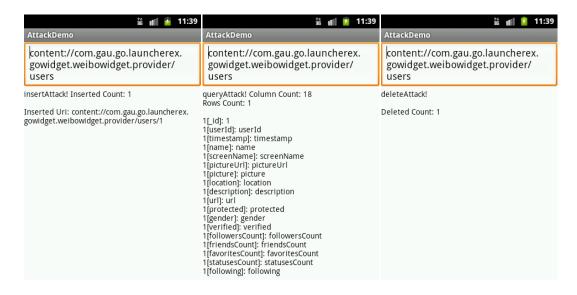
http://www4.comp.polyu.edu.hk/~appsec/bugs/CVE-2012-1398-vulnerability-in-GOWeiboWidge t.html

#### 2 Description

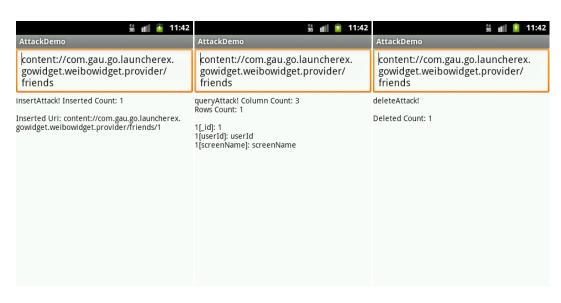
Please see the exposed content providers in the AndroidManifest.xml file, which are not properly protected, as shown in follows:

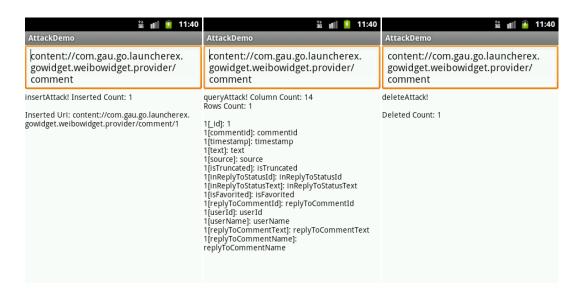
### 3 Impact

Please see the following snapshots generated by our arrack demo:

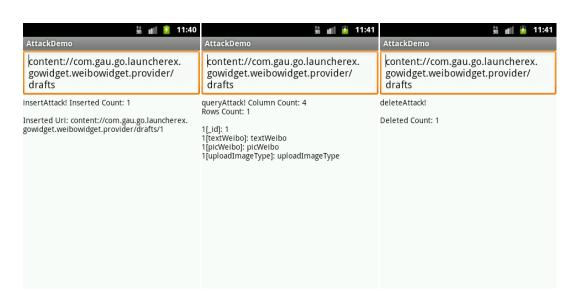












#### 4 Solution

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.weibowidget.provider	comment
com.gau.go.launcherex.gowidget.weibowidget.provider	directmessage
com.gau.go.launcherex.gowidget.weibowidget.provider	drafts
com.gau.go.launcherex.gowidget.weibowidget.provider	friends
com.gau.go.launcherex.gowidget.weibowidget.provider	settings
com.gau.go.launcherex.gowidget.weibowidget.provider	statistics
com.gau.go.launcherex.gowidget.weibowidget.provider	status
com.gau.go.launcherex.gowidget.weibowidget.provider	users
com.gau.go.launcherex.gowidget.weibowidget.provider	widget