Vulnerability in GO SMS Pro for Android

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Abstract

We found that GO SMS Pro 3.72, 4.10 and 4.35 have a vulnerability that allows a crafted application to read and modify user's sensitive contact and sms information without permission, including user's GO SMS account (username and userid), all detailed attribute of user's GO SMS account (birthday, sex, full name, image and etc.), all detailed information of user's contacts, user's contact group, user's plug-in installed in GO SMS, and user's all sms information.

1 Application Information

Please see the following link in our AppSec website:

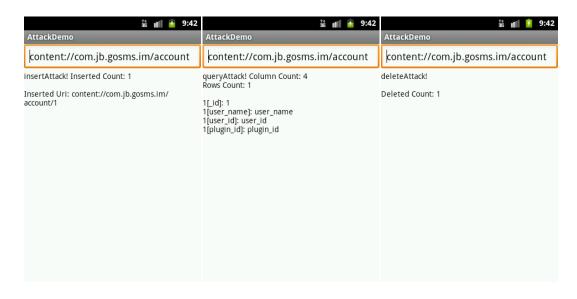
http://www4.comp.polyu.edu.hk/~appsec/bugs/CVE-2012-1393-vulnerability-in-GOSMSPro.html

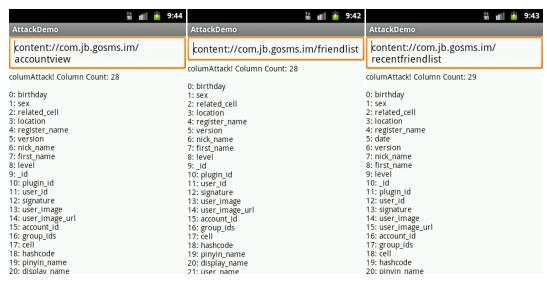
2 Description

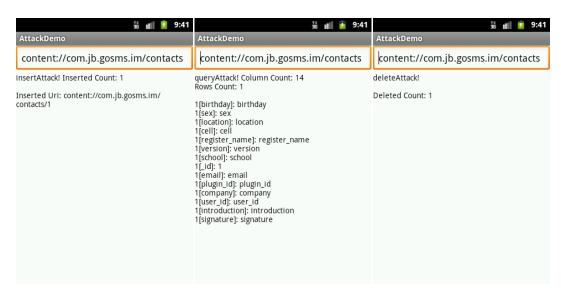
Please see the exposed content providers in the AndroidManifest.xml file, which are not properly protected, as shown in follows:

3 Impact

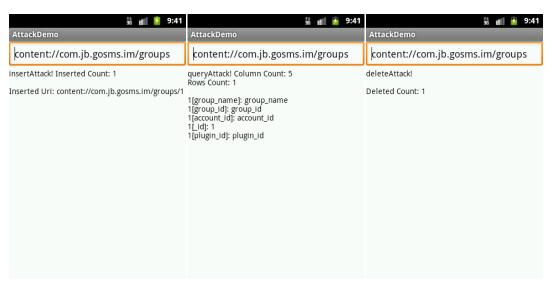
Please see the following snapshots generated by our arrack demo:



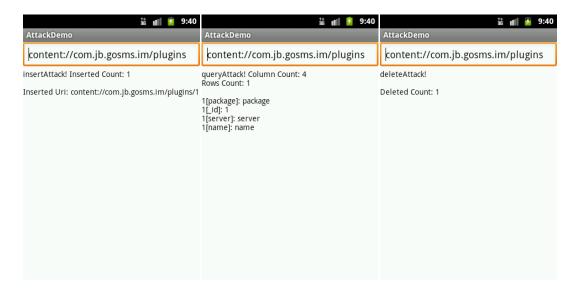


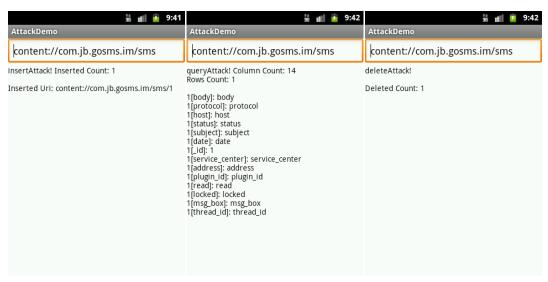












4 Solution

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.jb.gosms.im	account
com.jb.gosms.im	accountview
com.jb.gosms.im	contacts
com.jb.gosms.im	friendlist

com.jb.gosms.im	friends
com.jb.gosms.im	friendslocalinfo
com.jb.gosms.im	groups
com.jb.gosms.im	image
com.jb.gosms.im	plugins
com.jb.gosms.im	recentfriendlist
com.jb.gosms.im	room
com.jb.gosms.im	sms
com.jb.gosms.im	threads