

Vulnerability in NetEaseWeibo (网易微博) for Android

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Abstract

We found that NetEaseWeibo 1.2.1 Build 2011-11-10 12:00 and 1.2.2 Build 2011-12-31 11:00 have a vulnerability that allows a crafted application to read and modify user's sensitive weibo information without permission, including weibo accounts (username and password in plaintext!), all contents of user's weibo, user's location and etc.

1 Application Information

Please see the following link in our AppSec website:

<http://www4.comp.polyu.edu.hk/~appsec/bugs/CVE-2012-1380-vulnerability-in-NetEaseWeibo.html>

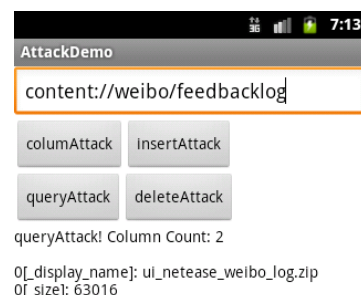
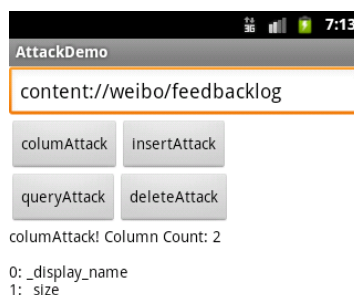
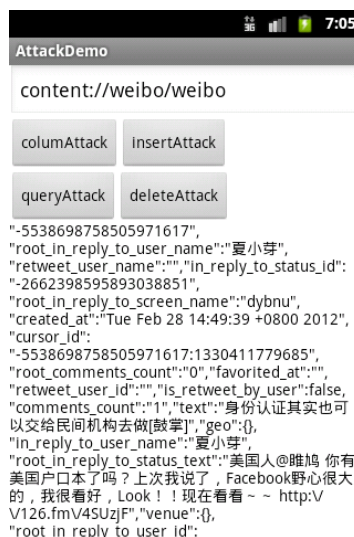
2 Description

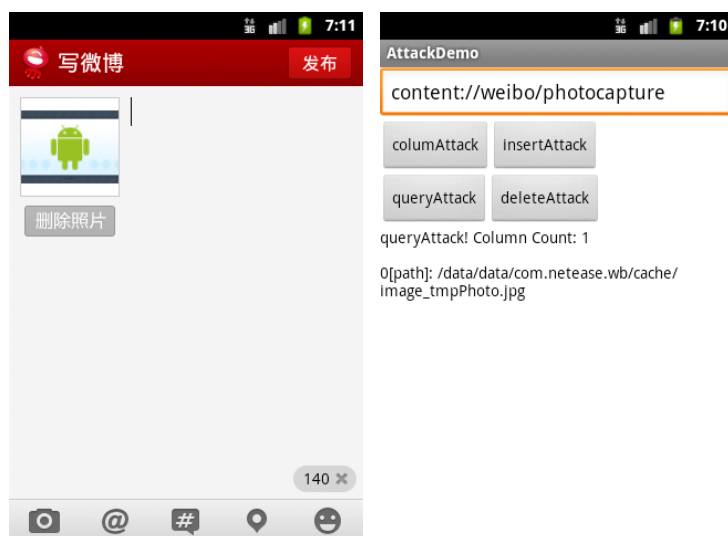
Please see the exposed content providers in the AndroidManifest.xml file, which are not properly protected, as shown in follows:

- ```
<provider android:name=".provider.weiboProvider"
 android:multiprocess="true" android:authorities="weibo"
 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   |
|----------------------------|--------------|
| <b>weibo</b>               | weibo        |
| <b>weibo</b>               | accounts     |
| <b>weibo</b>               | location     |
| <b>weibo</b>               | collector    |
| <b>weibo</b>               | compress     |
| <b>weibo</b>               | photocapture |
| <b>weibo</b>               | feedbacklog  |