

《附錄 2》

1) 神魔龍鬥士 OL-萬神之王

該應用程式包含 Tapjoy 廣告插件，存在一些惡意的行為，如連接網絡、發送短信、獲取用戶位置信息、獲取手機號碼等行為，具體分析如下。

a) 連接網絡

```
URL url = new URL(s);
if(DOWNLOADAPK_TRACE_BUG)
    Log.d("DOWNLOADAPK", (new StringBuilder("getDataSource => myURL = ").append(url).toString());
URLConnection urlconnection = url.openConnection();
urlconnection.connect();
InputStream inputstream = urlconnection.getInputStream();
if(inputstream == null)
    throw new RuntimeException("stream is null");
File file = File.createTempFile(fileName, (new StringBuilder(".").append(fileEx).toString());
currentTempFilePath = file.getAbsolutePath();
FileOutputStream fileoutputstream = new FileOutputStream(file);
byte abyte0[] = new byte[128];
```

b) 發送短信

```
public void send(Message message)
    throws IOException, InterruptedException
{
    String s = message.getAddress();
    if(message instanceof TextMessage)
    {
        String s1 = ((TextMessage)message).getPayloadText();
        SmsManager.getDefault().sendTextMessage(s, null, s1, null, null);
    } else
    if(message instanceof BinaryMessage)
    {
        byte abyte0[] = ((BinaryMessage)message).getPayloadData();
        SmsManager.getDefault().sendDataMessage(s, null, port, abyte0, null, null);
    } else
    {
        throw new IOException((new StringBuilder("invalid type: ").append(message).toString());
    }
}
```

c) 獲取用戶位置信息

```
y = (LocationManager) getSystemService("location");
```

```

z = getLocationPrivider(y);
if(Kernel_trace)
Log.d("onStart location", (new StringBuilder("mLocation01 = ").append(z).toString());
    if(z != null)
        a(z);

```

d) 獲取手機號碼

```

public static String getPhoneNumber()
{
    return ((TelephonyManager)mainActivity.getSystemService("phone")).getLine1Number();
}

```

2) 手機聊天男友

該應用程式包含 ooqqxx 惡意廣告插件，存在一些惡意行為，如連接網絡、獲取用戶位置信息、獲取手機 IMSI 碼等行為，具體分析如下。

a) 連接網絡

```

public static boolean getFileByUrl(String s, String s1, boolean flag)
{
    HttpURLConnection httpURLConnection = null;
    httpURLConnection = setupConnection(s, flag);
    httpURLConnection.connect();
    InputStream inputStream = httpURLConnection.getInputStream();
    FileOutputStream fileOutputStream = new FileOutputStream(s1);
    copyStream(inputStream, fileOutputStream);
    inputStream.close();
    fileOutputStream.close();
    boolean flag1;
    if(httpURLConnection != null)
        httpURLConnection.disconnect();
    flag1 = true;
}

```

b) 獲取用戶位置信息

```

protected static Location k(Context context)
{
    BufferedReader bufferedReader;
    Location location;
    TelephonyManager telephonyManager;
    bufferedReader = null;
    location = new Location("network");
    telephonyManager = (TelephonyManager)context.getSystemService("phone");
    android.telephony.CellLocation cellLocation = telephonyManager.getCellLocation();
}

```

c) 獲取手機 IMSI 碼

```
public static String o(Context context)
{
    BufferedReader bufferedreader;
    String s1;
    File file;
    bufferedreader = null;
    s1 = ((TelephonyManager) context.getSystemService("phone")).getSubscriberId();
    if(!"mounted".equals(Environment.getExternalStorageState()))
        break MISSING_BLOCK_LABEL_579;
}
```

3) 夫妻性愛姿勢雙休

該應用程式包含 Vgao 和 airpush 惡意廣告插件，存在一些惡意行為，如連接指定網站下載數據包、獲取用戶位置信息、獲取用戶 Gmail 帳戶信息、獲取手機 IMSI 碼等行為，具體分析如下：

a) 連接指定的網站，下載數據包

```
final String urlString = (new
StringBuilder()).append("https://api.airpush.com/model/user/getappinfo.php?packageName=").append(getPackageName(context1)).toString();
(new Thread(new Runnable() {
    public void run()
    {
        try
        {
            HttpURLConnection httpURLConnection = (HttpURLConnection) (new URL(urlString)).openConnection();
            httpURLConnection.setRequestMethod("GET");
            httpURLConnection.setConnectTimeout(2000);
            httpURLConnection.connect();
            if(httpURLConnection.getResponseCode() == 200)
            {
                StringBuffer stringBuffer = new StringBuffer();
                BufferedReader bufferedReader = new BufferedReader(new
InputStreamReader(httpURLConnection.getInputStream()));
                do
                {
                    String s = bufferedReader.readLine();
                    if(s == null)
                        break;
                    stringBuffer.append(s);
                } while(true);
                Util.jsonstr = stringBuffer.toString();
            }
            httpURLConnection.disconnect();
        }
    }
})
```

```

    }
    catch(MalformedURLException malformedurlexception) { }
    catch(IOException ioexception) { }
    catch(Exception exception1) { }}

```

b) 獲取用戶位置信息

```

protected static Location k(Context context)
{
    BufferedReader bufferedreader;
    Location location;
    TelephonyManager telephonymanager;
    bufferedreader = null;
    location = new Location("network");
    telephonymanager = (TelephonyManager)context.getSystemService("phone");
    android.telephony.CellLocation celllocation = telephonymanager.getCellLocation();
}

```

c) 獲取用戶 Gmail 帳戶信息

```

static String getEmail(Context context1)
{
    String s = "";
    try
    {
        if(android.os.Build.VERSION.SDK_INT >= 5 &&
context1.checkCallingOrSelfPermission("android.permission.GET_ACCOUNTS") == 0)
        s = AccountManager.get(context1).getAccountsByType("com.google")[0].name;
    }
    catch(Exception exception)
    {
        println("No email account found.");
    }
    return s;
}

```

d) 獲取手機 IMSI 碼

```

public static String o(Context context)
{
    BufferedReader bufferedreader;
    String s1;
    File file;
    bufferedreader = null;
    s1 = ((TelephonyManager)context.getSystemService("phone")).getSubscriberId();
    if(!"mounted".equals(Environment.getExternalStorageState()))
        break MISSING_BLOCK_LABEL_578;
}

```