

MAiLog

AAR: mailoglibrary-v1.0.aar

Download it from <http://androideprofesional.blogspot.ie/> and to ask for support please leave your comments there too.

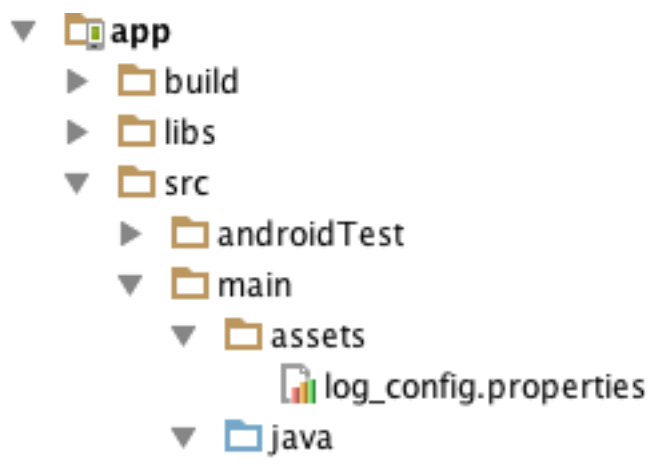
Introduction

MAiLog is an Android library (.aar) to receive by email your app's logs running from real devices. It is based on jaxa.mail in order to avoid interaction with the tester. The library is configurable just with Gmail accounts. Besides the Logcat the body is including System.err too. I hope in few days publish it as an open source project in order to enable people to add more features or configuration options, because it is just having the few I need for my current project.

Configuration

To use MAiLog in your project you need to follow the next three steps:

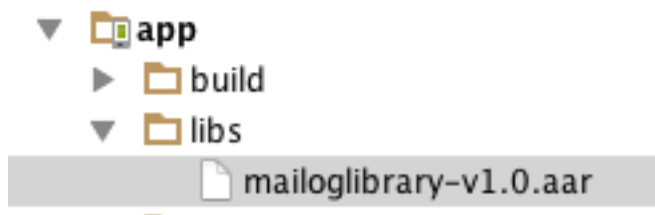
- 1) Add in your project /assets folder a properties file with the necessary data related with the involved Gmail accounts as well as an on-off property. Is mandatory, the name of the file should be *log_config.properties*.



log_config.properties content:

```
sender_email=xxxxxxx@gmail.com
sender_email_password=yyyyyyyyyy
receiver_email=zzzzzzzz@gmail.com
email_subject=This is Subject
log_on=true
```

- 2) Add the AAR file into your project /libs



3) Add the dependency into Gradle:

```
repositories{
    flatDir{
        dirs 'libs'
    }
}
dependencies {
    compile fileTree(dir: 'libs', include: ['*.jar'])
    compile 'com.android.support:appcompat-v7:22.2.0'
    compile(name:'mailoglibrary-v1.0', ext:'aar')
}
```

The *repositories* block has the purpose of enable your project to use a local .aar.

Use

Set MAiLog instance in your Activity, passing Context as a parameter:

```
LogSingleton.getInstance().init(Context context);
```

Example:

```
@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.main);

    //-----
    LogSingleton.getInstance().init(this);
    //-----

    MAiLog.i("Created!");
    findViewById(R.id.send_log_button).setOnClickListener(this);
    textView = (TextView) findViewById(R.id.TextView01);
}
```

To add an entry to the Log you should use MAiLog class, which is a wrapper of the Android's Log class. MAiLog provide the standard log

methods (.e, .i, .w, .d, .v) and it comes with two different signatures to enable make a Log sending email or not sending email.

To add an entry without sends an email use:

MAiLog.e(String mensaje)

Example:

```
MAiLog.e("URL: "+url);
```

If you wants to add a Log entry and send an email (for example when an Exception happen):

MAiLog.e(String mensaje, Exception excepcion)

Example:

```
//Log and send log by email  
MAiLog.e("App crash", e);
```

Normally it will be included inside a Try-Catch block

```
    } catch (Exception e) {  
        e.printStackTrace();  
        //-----  
        //Log and send log by email  
        MAiLog.e("App crash", e);  
        //-----  
    }
```

Finally the email you will receive in your mail receiver account looks as:

```
E/MAiLog (18879): Created!  
E/MAiLog (18879): URL: http://www1.vogella.com  
W/System.err(18879): java.net.UnknownHostException: Unable to resolve host "www1.vogella.com": No address associated with hostname  
W/System.err(18879): at java.net.InetAddress.lookupHostByName(InetAddress.java:457)  
W/System.err(18879): at java.net.InetAddress.getAllByNameImpl(InetAddress.java:252)  
W/System.err(18879): at java.net.InetAddress.getAllByName(InetAddress.java:215)  
W/System.err(18879): at org.apache.http.impl.conn.DefaultClientConnectionOperator.openConnection(DefaultClientConnectionOperator  
r.java:137)  
W/System.err(18879): at org.apache.http.impl.conn.AbstractPoolEntry.open(AbstractPoolEntry.java:164)  
W/System.err(18879): at org.apache.http.impl.conn.AbstractPooledConnAdapter.open(AbstractPooledConnAdapter.java:119)  
W/System.err(18879): at org.apache.http.impl.client.DefaultRequestDirector.execute(DefaultRequestDirector.java:360)  
W/System.err(18879): at org.apache.http.impl.client.AbstractHttpClient.execute(AbstractHttpClient.java:555)  
W/System.err(18879): at org.apache.http.impl.client.AbstractHttpClient.execute(AbstractHttpClient.java:487)  
W/System.err(18879): at org.apache.http.impl.client.AbstractHttpClient.execute(AbstractHttpClient.java:465)  
W/System.err(18879): at com.lm2a.bebay.MainActivity$DownloadWebPageTask.doInBackground(MainActivity.java:55)  
W/System.err(18879): at com.lm2a.bebay.MainActivity$DownloadWebPageTask.doInBackground(MainActivity.java:46)  
W/System.err(18879): at android.os.AsyncTask$2.call(AsyncTask.java:288)  
W/System.err(18879): at java.util.concurrent.FutureTask.run(FutureTask.java:237)  
W/System.err(18879): at android.os.AsyncTask$SerialExecutor$1.run(AsyncTask.java:231)  
W/System.err(18879): at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1112)  
W/System.err(18879): at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:587)  
W/System.err(18879): at java.lang.Thread.run(Thread.java:818)  
W/System.err(18879): Caused by: android.system.GaiException: android_getaddrinfo failed: EAI_NODATA (No address associated with  
hostname)  
W/System.err(18879): at libcore.io.Posix.android_getaddrinfo(Native Method)  
W/System.err(18879): at libcore.io.ForwardingOs.android_getaddrinfo(ForwardingOs.java:55)  
W/System.err(18879): at java.net.InetAddress.lookupHostByName(InetAddress.java:438)  
W/System.err(18879): ... 17 more  
V/MAiLog (18879): App crash  
V/MAiLog (18879): Unable to resolve host "www1.vogella.com": No address associated with hostname
```