

# LAIMonitor Manual

We developed LAIMonitor to monitor and log account manipulation operations. Here are the steps to run it:

1. Root the phone by using TWRP (Team Win Recovery Project).  
TWRP: <https://twrp.me/>.
2. Install Xposed Framework and Xposed Installer.  
Xposed Framework: <https://www.xda-developers.com/xposed-framework-hub/>  
Xposed Installer: <https://xposed-installer.en.uptodown.com/android>
3. Compile LAIMonitor and build apk file by using Android Studio.  
The source code of LAIMonitor: <https://github.com/LeftoverAccountInformation/LAI/tree/master/LeftoverAccountAnalyzer/LaiMonitor>
4. Install the app by using adb command.  
The apk file: LAIMonitor/app/debug/app-debug.apk  
Adb command: `adb install app-debug.apk`
5. Activate the app from Xposed Installer  
The app is shown as a module in the screen of modules in Xposed Installer.
6. Reboot the phone.  
Adb command: `adb reboot`.
7. Run the apps to be tested.
8. Collect logs from Logcat  
Adb command: `adb logcat | grep Xposed > log`