**Setup Instructions for Authentication Service Workbench: Android applications**

**Setup Requirements:**

1. This setup should NOT be performed before you finished setting up your server.
2. To setup the Android app, you must have experience and knowledge of building Android applications.
3. You must have an Android Studio IDE 3.0 or up.

Source code directory name: “Authentication\_Prototypes”

**Setup Instructions:**

1. Open the app source code with Android Studio IDE.
2. Using your IDE, open “app/src/main/res/values/strings.xml”.
3. Change the “domain\_name” value to your server’s domain name

(ex: https://www.google.com)

1. Compile/build the app.
2. Publishing the app:
   1. Publishing the app through the Google Play store
      * Visit the Google Play Console site, and follow the steps to publish the build application. Link: https://play.google.com/apps/publish/signup/
      * After you have published the app on the Google Play store, copy the link to app’s store listing.
      * Open the file “/html/fingerprint/index.html”
      * On line 47
        1. Replace “<a target="\_blank" href="https://play.google.com/store/apps/details?id=com.caterpillarEffect.cmsc435.authentication\_prototypes">click here</a>”
        2. With “<a target="\_blank" href="\*">click here</a>”, where \* is the link to the app’s Google Play store listing.
      * That will conclude the setup for the Android app.
   2. Publishing the app on your server through APK
      * Place the compiled APK file to your web directory under “/app/#.apk”, where # is the APK file name.
      * Open the file “/html/fingerprint/index.html”
      * On line 47
        1. Replace “<a target="\_blank" href="https://play.google.com/store/apps/details?id=com.caterpillarEffect.cmsc435.authentication\_prototypes">click here</a>”
        2. With “<a href="/app/#.apk" download>Click here</a>” , where # is the APK file name.
      * This conclude the setup for this application.

Source code directory name: “RSA\_Viewer”

**Setup Instructions:**

1. Open the app source code with Android Studio IDE.
2. Using your IDE, open “app/src/main/res/values/strings.xml”.
3. Change the “base” value to your server’s domain name

(ex: https://www.google.com)

1. Compile/build the app.
2. Publishing the app:
   1. Publishing the app through the Google Play store
      * Visit the Google Play Console site, and follow the steps to publish the build application. Link: https://play.google.com/apps/publish/signup/
      * After you have published the app on the Google Play store, copy the link to app’s store listing.
      * Open the file “/html/rsa/index.html”
      * On line 48
        1. Replace “<a target="\_blank" href="https://play.google.com/store/apps/details?id=com.auth.a435.rsa\_viewer">click here</a>”
        2. With “<a target="\_blank" href="\*">click here</a>”, where \* is the link to the app’s Google Play store listing.
      * Open the file “/html/rsa/setup.html”
      * On line 61
        1. Replace “<a target="\_blank" href="https://play.google.com/store/apps/details?id=com.auth.a435.rsa\_viewer">click here</a>”
        2. With “<a target="\_blank" href="\*">click here</a>”, where \* is the link to the app’s Google Play store listing.
      * That will conclude the setup for the Android app.
   2. Publishing the app on your server through APK
      * Place the compiled APK file to your web directory under “/app/#.apk”, where # is the APK file name.
      * Open the file “/html/rsa/index.html”
      * On line 48
        1. Replace “<a target="\_blank" href="https://play.google.com/store/apps/details?id=com.auth.a435.rsa\_viewer">click here</a>”
        2. With “<a href="/app/#.apk" download>Click here</a>” , where # is the APK file name.
      * Open the file “/html/rsa/setup.html”
      * On line 61
        1. Replace “<a target="\_blank" href="https://play.google.com/store/apps/details?id=com.auth.a435.rsa\_viewer">click here</a>”
        2. With “<a href="/app/#.apk" download>Click here</a>” , where # is the APK file name.
      * This concludes the setup for this application.