D2DCOMMS

Installation Guide

07/2020

Version 1.01

1   Android studio

1.1   Windows / Mac

1. Download the latest version of Android Studio from :
   https://developer.android.com/studio

2. Follow the setup wizard in Android Studio and install any SDK packages that it recommends.

1.2   Linux

1. Unpack the .zip file you downloaded to an appropriate location for your applications, such as within/usr/local/ for your user profile, or /opt/ for shared users.

2. To launch Android Studio, open a terminal, navigate to the android-studio/bin/ directory, and execute studio.sh

3. The Android Studio Setup Wizard guides you through the rest of the setup, which includes downloading Android SDK components that are required for development

2   Google maps platform

2.1   Create a billing account

1. Go to the Google Cloud Platform Console.

2. Click the menu button and select Billing.

3. Set up your billing account.

2.2   Get Google maps API key

1. Go to the Google Cloud Platform Console.

2. Click the menu button and select APIs & Services > Credentials.

3. On the Credentials page, click Create credentials > API key.

4. The API key created dialog displays your newly created API key.

5. The new API key is listed on the Credentials page under API keys.

3   D2D communication app

1. Download the latest version of D2D communication app from :

   https://github.com/mdx-app/D2DComms

2. Open the D2DComms project using Android studio

3. Add the API key to the app: Go to "Gradle Scripts/gradle.properties", then replace YOUR_API_KEY with your API key.
   "GOOGLE_MAPS_API_KEY=YOUR_API_KEY"

4 Install D2D app to a device

1. Connect your device to your development machine with a USB cable.
2. Enable USB debugging in the Developer options of the device (smart phone).
3. In Android Studio, select the device from the target device drop-down menu.
4. Click Run. Android Studio installs the app on the connected device and starts it.