

# **D2DCOMMS**

## **Installation Guide**

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*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 downloaded to an appropriate location, such as within /usr/local/, 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 the 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.

