Link : <https://reactnative.dev/docs/signed-apk-android>

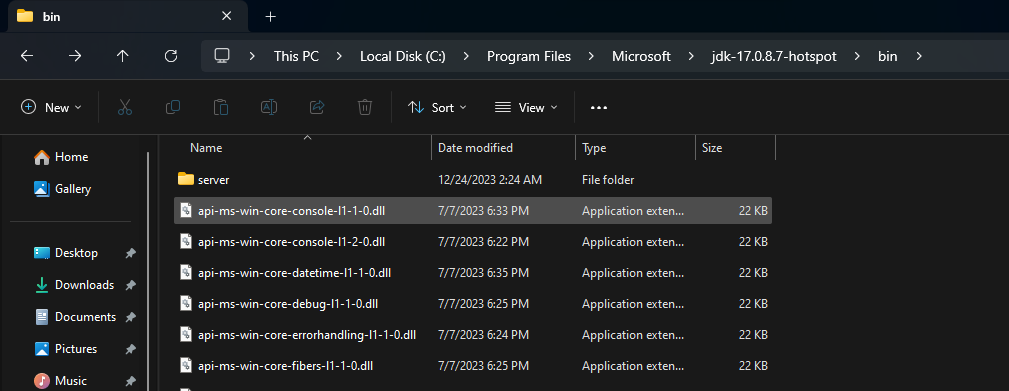
Step 1

**Generating an upload key**

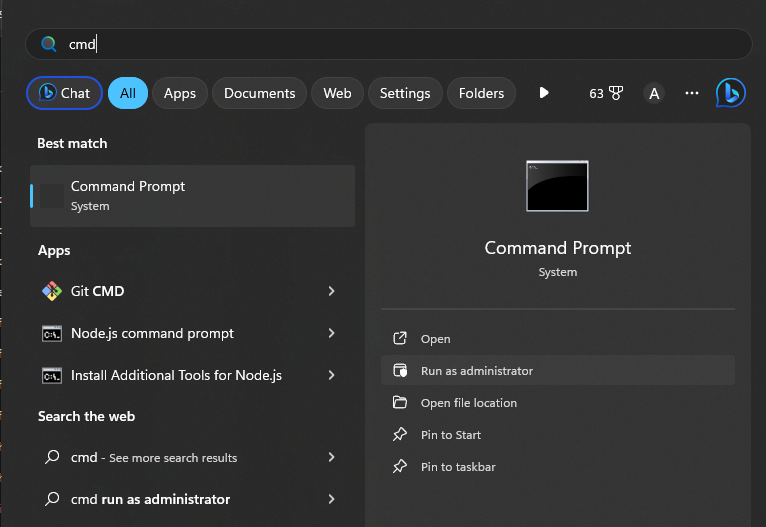
### Windows

### Goto the Java JDK path

C:\Program Files\Microsoft\jdk-17.0.8.7-hotspot\bin,

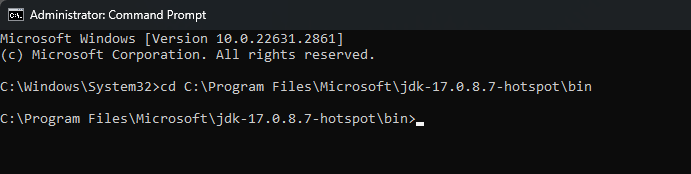


* Open cmd in ( administration )



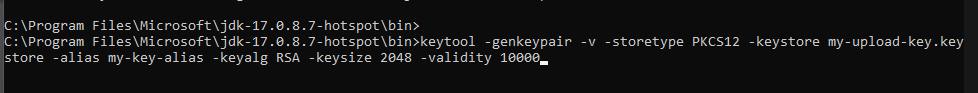
* The change cmd directory to java jdk bin directory

>>> cd C:\Program Files\Microsoft\jdk-17.0.8.7-hotspot\bin

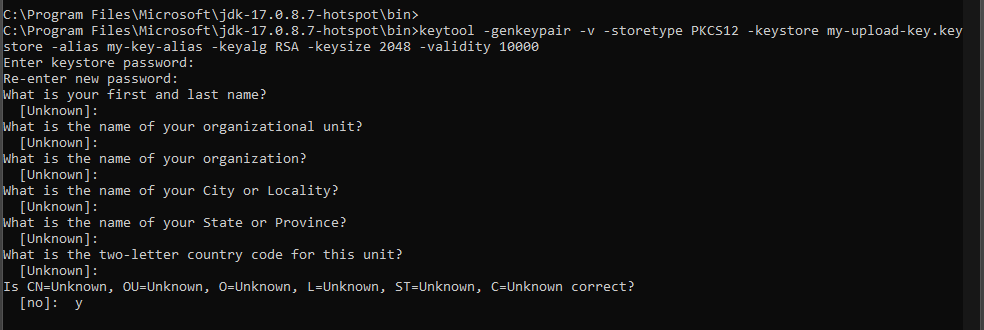


* Run the below command to create **upload key**

**>>> keytool -genkeypair -v -storetype PKCS12 -keystore my-upload-key.keystore -alias my-key-alias -keyalg RSA -keysize 2048 -validity 10000**

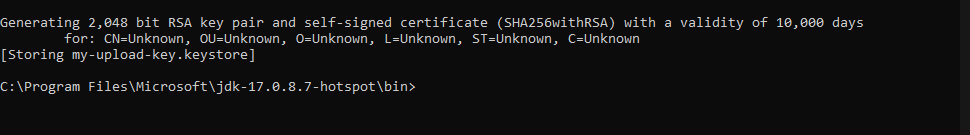
****

* Generate the password , Fill the details ( optional )
* Then press ( y ) to generate the **Upload key**

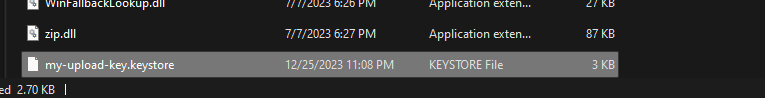
****

**Output**

If this message will appeare it means **upload key** is now generated

****

* Find the **Upload key** on bin folder with name of ( my-upload-key.keystore )



Press ( Ctrl+X ) to cut the **upload key**

Step 2:

## Setting up Gradle variables

## Goto your project root directory

## Place the my-upload-key.keystore file under the android/app directory in your project folder

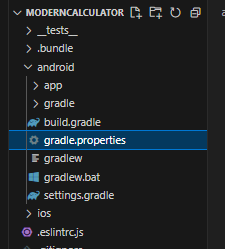
## 

## Edit the file ~/.gradle/gradle.properties or android/gradle.properties

## Open vs code on your root directory

## 

* Open **android/gradle.properties**



* Add these code and replace \* with your generated password

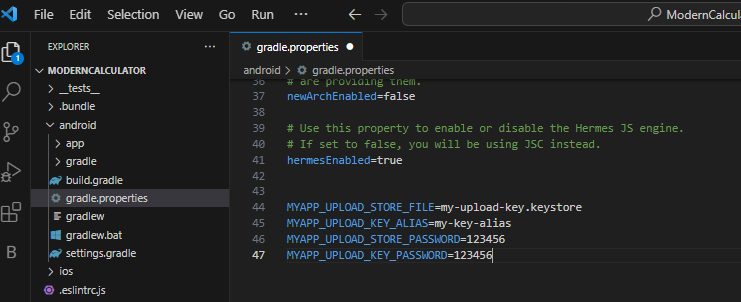
MYAPP\_UPLOAD\_STORE\_FILE=my-upload-key.keystore

MYAPP\_UPLOAD\_KEY\_ALIAS=my-key-alias

MYAPP\_UPLOAD\_STORE\_PASSWORD=\*\*\*\*\*

MYAPP\_UPLOAD\_KEY\_PASSWORD=\*\*\*\*\*

Save and close the file



Step 3

## Adding signing config to your app's Gradle config

* **Copy these below code**

release {

            if (project.hasProperty('MYAPP\_UPLOAD\_STORE\_FILE')) {

                storeFile file(MYAPP\_UPLOAD\_STORE\_FILE)

                storePassword MYAPP\_UPLOAD\_STORE\_PASSWORD

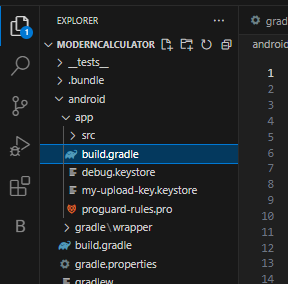
                keyAlias MYAPP\_UPLOAD\_KEY\_ALIAS

                keyPassword MYAPP\_UPLOAD\_KEY\_PASSWORD

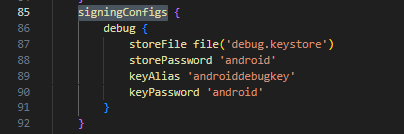
            }

        }

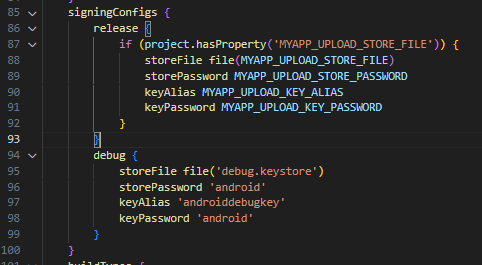
* Open **android/app/build.gradle**

****

* Goto Line No **85** **signingConfigs**



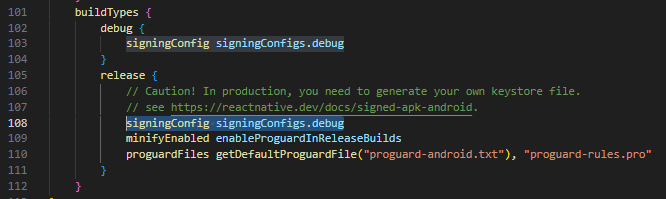
* Paste the copied code above the **debug**



* Next Copy the below code

signingConfig signingConfigs.release

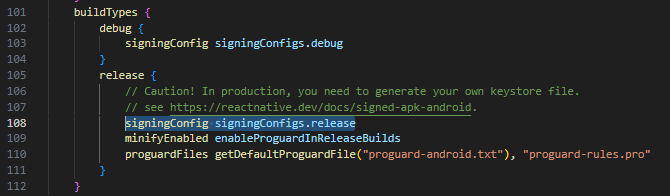
* Line 101 **buildTypes**



* in releasesection replace .

signingConfig signingConfigs.debug

to above copied code



Step 4

## Generating the release APK

## Goto the project root directory and open terminal

## And run this command

## >>> npm install –save react-native

## >>> cd android

## >>> gradlew clean

## >>> gradlew assembleRelease

* Find release APK

android\app\build\outputs\apk\release

Step 5

## Generating the release AAB

## Goto the project root directory and open terminal

## And run this command

## >>> npm install –save react-native

## >>> npx react-native build-android --mode=release

## 

## The generated AAB can be found under

## android/app/build/outputs/bundle/release/app-release.aab,

## and is ready to be uploaded to Google Play.