

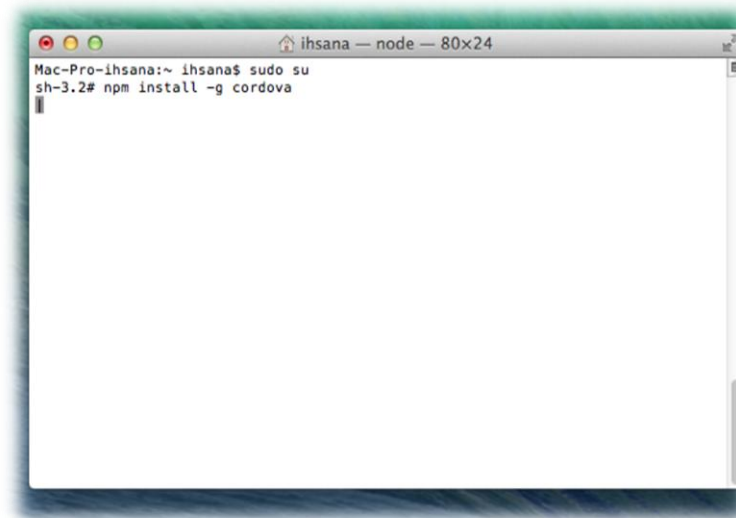
Install Cordova pada Mac OSX dan Membuat APK

1. Hubungkan mac ke Internet
2. Jalankan terminal dengan akses root, ini akan meminta untuk memasukkan password mac-osx kamu.

```
$ sudo su
```

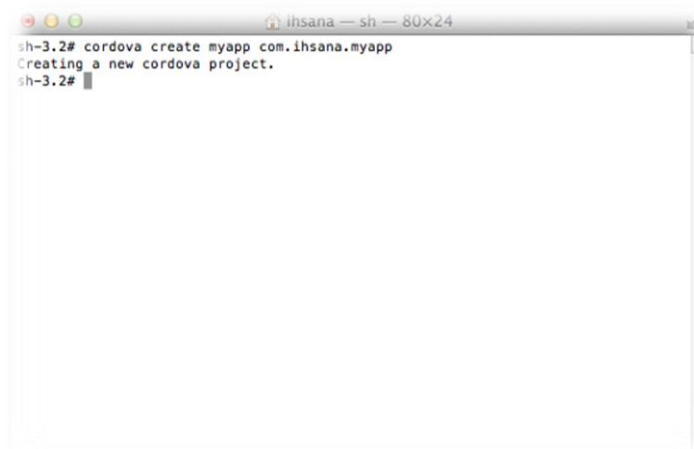
3. Kemudian install cordova

```
$ npm install -g cordova
```



4. Tunggu hingga selesai
5. Kemudian kita mencoba membuat sebuah proyek

```
$ cordova create myapp com.ihsana.myapp
```



6. Selanjutnya masuk ke direktori proyek

```
$ cd myapp
```

```
sh-3.2# cordova create myapp com.ihsana.myapp
Creating a new cordova project.
sh-3.2# cd myapp
sh-3.2#
```

7. Selanjutnya kita menambahkan platform misal untuk Android

```
$ cordova platform add android
```

```
sh-3.2# cordova platform add android
Adding android project...
Creating Cordova project for the Android platform:
  Path: platforms/android
  Package: com.ihsana.myapp
  Name: HelloCordova
  Activity: MainActivity
  Android target: android-23
Android project created with cordova-android@5.1.1
Discovered plugin "cordova-plugin-whitelist" in config.xml. Adding it to the project
Fetching plugin "cordova-plugin-whitelist@1" via npm
Installing "cordova-plugin-whitelist" for android

  This plugin is only applicable for versions of cordova-android greater than 4.0. If you have a previous platform version, you do *not* need this plugin since the whitelist will be built in.

sh-3.2#
```

8. Sekarang kita memeriksa apa saja yang dibutuhkan cordova untuk android

```
$ cordova requirements
```

```
This plugin is only applicable for versions of cordova-android greater than 4.0. If you have a previous platform version, you do *not* need this plugin since the whitelist will be built in.

sh-3.2# cordova requirements

Requirements check results for android:
Java JDK: not installed
Failed to find 'JAVA_HOME' environment variable. Try setting setting it manually.
.
Android SDK: not installed
Failed to find 'ANDROID_HOME' environment variable. Try setting setting it manually.
Failed to find 'android' command in your 'PATH'. Try update your 'PATH' to include path to valid SDK directory.
Android target: not installed
Android SDK not found. Make sure that it is installed. If it is not at the default location, set the ANDROID_HOME environment variable.
Gradle: not installed
Could not find gradle wrapper within Android SDK. Could not find Android SDK directory.
Might need to install Android SDK or set up 'ANDROID_HOME' env variable.
Error: Some of requirements check failed
sh-3.2#
```

Pada pesan diatas kita tau bahwa kita harus menginstall beberapa program yang diperlukan. Diantaranya yaitu: **Java JDK** dan **Android SDK**

9. Install Java JDK, kita bisa download di situs resminya:
<http://www.oracle.com/technetwork/java/javase/downloads/index.html>, download menggunakan safari dan install.

Product / File Description	File Size	Download
Linux x86	160.26 MB	jdk-8u92-linux-i586.rpm
Linux x86	174.94 MB	jdk-8u92-linux-i586.tar.gz
Linux x64	158.27 MB	jdk-8u92-linux-x64.rpm
Linux x64	172.99 MB	jdk-8u92-linux-x64.tar.gz
Mac OS X	227.32 MB	jdk-8u92-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	139.47 MB	jdk-8u92-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	98.93 MB	jdk-8u92-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	140.35 MB	jdk-8u92-solaris-x64.tar.Z
Solaris x64	96.76 MB	jdk-8u92-solaris-x64.tar.gz
Windows x86	188.43 MB	jdk-8u92-windows-i586.exe
Windows x64	193.66 MB	jdk-8u92-windows-x64.exe



Untuk memeriksa folder java ketik

```
which java
```

10. Selanjutnya meng-install android SDK atau Android Studio, bisa didownload dari situs resminya: <https://developer.android.com/studio/index.html#resources>

OS	Download Link	File Size	SHA-256 Hash
Windows	android-studio-ide-143.2915827-windows.zip	293 MB (307686999 bytes)	2aa610308b23ee938dbd1f821675...
Mac OS X	android-studio-ide-143.2915827-mac.dmg	291 MB (305671838 bytes)	689889cd434cb883b3fbd6c1faa20...
Linux	android-studio-ide-143.2915827-linux.zip	291 MB (305181285 bytes)	d34c75ae2ca1cf472e21eb5301f4...

Untuk Android SDK dibutuhkan konfigurasi secara manual, jadi sebaiknya download **Android Studio** saja.

11. Setelah di Install periksa lagi apakah program yang dibutuhkan semua telah di Install

```
$ cordova requirements
```

12. Jika semua telah terpenuhi, kita coba untuk menambahkan plugin yang dibutuhkan:

```
$ cordova plugin add cordova-plugin-device  
$ cordova plugin add cordova-plugin-console  
$ cordova plugin add cordova-plugin-splashscreen  
$ cordova plugin add cordova-plugin-statusbar  
$ cordova plugin add cordova-plugin-inappbrowser  
$ cordova plugin add cordova-plugin-admobpro
```

13. Salin semua folder www pada output ionic app builder ke www project cordova, untuk mencari lokasi folder ketik:

```
$ pwd
```

14. Terakhir membuat apk, ketik:

```
$ cordova build android
```

APK akan terbuat pada folder:

```
platforms\android\build\outputs\apk
```