

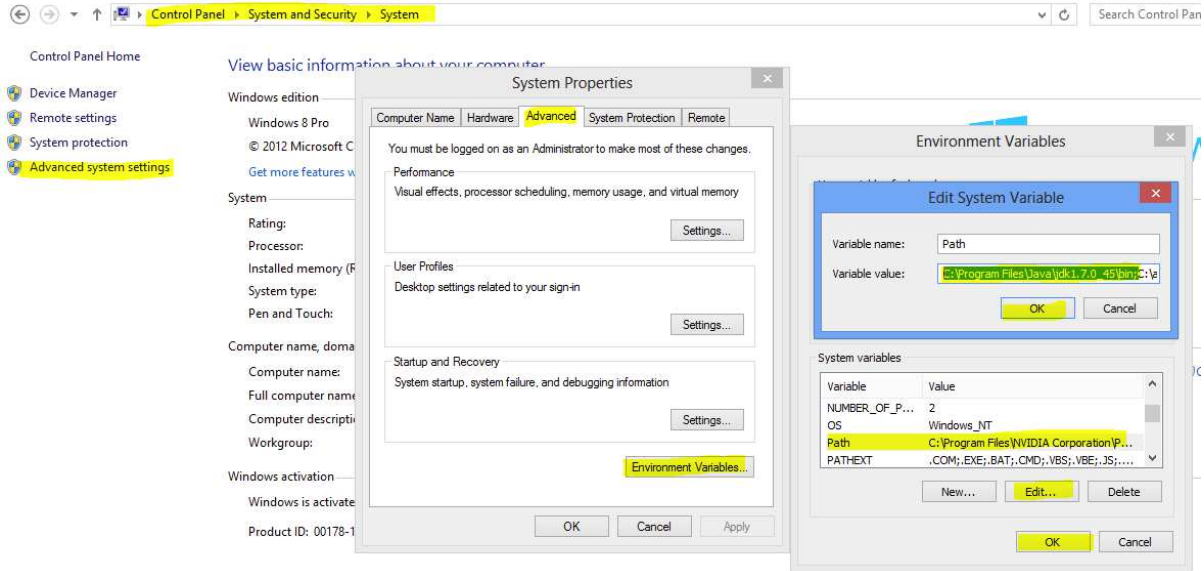
Android APK Dosyasını Signed ve Zipalign Yapmak

Maven ile Android apk dosyasını zipalign yapmak için gereken ayarlar aşağıdaki gibidir:

1. Öncelikle **.keystore** dosyası oluşturmak gereklidir:

```
1 | keytool -genkey -v -keystore myCertificate.keystore -alias myKey -keyalg RSA -keysize 2048 -validity 20000
```

keytool jdk bin klasöründeki bir **exe** dosyadır. Konsol(Command Prompt) üzerinden direkt olarak çalıştırmak için, **ortam değişkenlerine** eklemek gerekmektedir. Bu işlemi şu şekilde yapabilirsiniz:



2. Daha sonra ise **pom.xml** dosyasına aşağıdaki kodları eklemek gerekir:

```
1 | <profiles>
2 |   <profile>
3 |     <id>android-release</id>
4 |     <properties>
5 |       <sign.keystore>Url of .keystore file</sign.keystore>
6 |       <sign.alias>Your Alis Name</sign.alias>
7 |       <sign.storepass>Your Store Password</sign.storepass>
8 |       <sign.keypass>Your Key Password</sign.keypass>
9 |     </properties>
10 |   </profile>
11 | </profiles>
12 |
13 | <plugin>
14 |   <groupId>org.apache.maven.plugins</groupId>
15 |   <artifactId>maven-jarsigner-plugin</artifactId>
16 |   <executions>
17 |     <execution>
18 |       <id>signing</id>
19 |       <goals>
20 |         <goal>sign</goal>
21 |         <goal>verify</goal>
22 |       </goals>
23 |       <phase>package</phase>
24 |       <inherited>true</inherited>
25 |       <configuration>
26 |         <removeExistingSignatures>true</removeExistingSignatures>
27 |         <archiveDirectory/>
28 |         <includes>
29 |           <include>${project.build.directory}/${project.artifactId}.apk</include>
30 |         </includes>
31 |         <keystore>${sign.keystore}</keystore>
32 |         <alias>${sign.alias}</alias>
33 |         <storepass>${sign.storepass}</storepass>
34 |         <keypass>${sign.keypass}</keypass>
35 |         <verbose>true</verbose>
36 |       </configuration>
37 |     </execution>
38 |   </executions>
39 | </plugin>
40 | <plugin>
41 |   <groupId>com.jayway.maven.plugins.android.generation2</groupId>
42 |   <artifactId>android-maven-plugin</artifactId>
43 |   <version>3.8.0</version>
44 |   <configuration>
45 |     <sign>
46 |       <debug>>false</debug>
47 |     </sign>
48 |     <zipalign>
49 |       <verbose>true</verbose>
50 |     </zipalign>
51 |   </configuration>
52 | </plugin>
```

```
38     <inputApk>${project.build.directory}/${project.artifactId}.apk</inputApk>
39     <outputApk>${project.build.directory}/${project.artifactId}-signed-aligned.apk
40     </outputApk>
41 </zipalign>
42 <device>usb</device>
43 <run>
44     <debug>true</debug>
45 </run>
46 <sdk>
47     <path>C:\adt-bundle-windows-x86-20140321\sdk</path>
48     <!--sdk dizini-->
49     <platform>13</platform>
50 </sdk>
51
52     <undeployBeforeDeploy>true</undeployBeforeDeploy>
53 </configuration>
54 <executions>
55     <execution>
56         <id>alignApk</id>
57         <phase>package</phase>
58         <goals>
59             <goal>zipalign</goal>
60         </goals>
61     </execution>
62 </executions>
63 </plugin>
```