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

Control Panel Home	View basic informa	tion shout your computer	
Device Manager	Windows edition	System Properties	
Remote settings	Windows 8 Pro	Computer Name Hardware Advanced System Protection Remote	
System protection	© 2012 Microsoft C	You must be logged on as an Administrator to make most of these changes.	Environment Variables
Advanced system settings	Get more features w	Performance	
	System	Visual effects, processor scheduling, memory usage, and virtual memory	Edit System Variable
	Rating:	Settinge	
	Processor:	Jetungs	Variable name: Path
	Installed memory (F	User Profiles. Desktop settings related to your sign-in Settings	Variable value: EA/Program Files/Javalydk1.7.0_45\bin;C:Ve
	System type:		
	Pen and Touch:		OK Cancel
	Computer name, doma		System variables
	Computer name:	Statup and Recovery	
	Full computer name	System startup, system failure, and debugging information	Variable Value
	i un computer name		
	Computer description	Settings	NUMBER_OF_P 2
	Computer descriptiv Workgroup:	Settings	NUMBER_OF_P 2 OS Windows_NT Path C:\Program Files\\VIDIA Corporation\P
	Computer description Workgroup:	Settings	NUMBER_OF_P 2 OS Windows_NT Path C:\Program Files\NVIDIA Corporation\P PATHEXT .COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;
	Computer description Workgroup: Windows activation	Settings	NUMBER_OF_P 2 OS Windows_NT Path C:\Program Files\NVIDIA Corporation\P PATHEXTCOM; EXE; BAT; .CMD; .VBS; .VBE; .JS; × New Fdt Delete
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2. Daha sonra ise pom.xml dosyasına aşağıdaki kodları eklemek gerekir:

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

38	<pre><inputapk>\${project.build.directory}/\${project.artifactId}.apk</inputapk> \${project.build.directory}/\${project.artifactId}.cigned.aligned.apk</pre>
29 10	<pre>couputApr>sproject.ouid.uirectory;;stproject.artifactud;-signed-aiigned.apr</pre>
40	
41	/ capacity / devices
42	
45	(Turi)
44	(debug) (ruev) debug)
45	
40	<sus< td=""></sus<>
47	<pre><pre>c:(adt-bundle-windows-x86-20140321(sdk</pre></pre>
48	Sak dizini
49	<platform>13</platform>
50	
51	
52	<undeploybeforedeploy>true</undeploybeforedeploy>
53	
54	<executions></executions>
55	<execution></execution>
56	<id>alignApk</id>
57	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
58	<goals></goals>
59	<pre><goal>zipalign</goal></pre>
60	
61	
62	
63	