## Using a Comodo Authenticode Certificate for Java jar-signing

Prerequisites
- JDK [*minimum 5.0u8*]
- pkvimprt tool [*http://www.microsoft.com/downloads/details.aspx?familyid=F9992C94-B129-46BC-B240-414BDFF679A7&displaylang=en*]
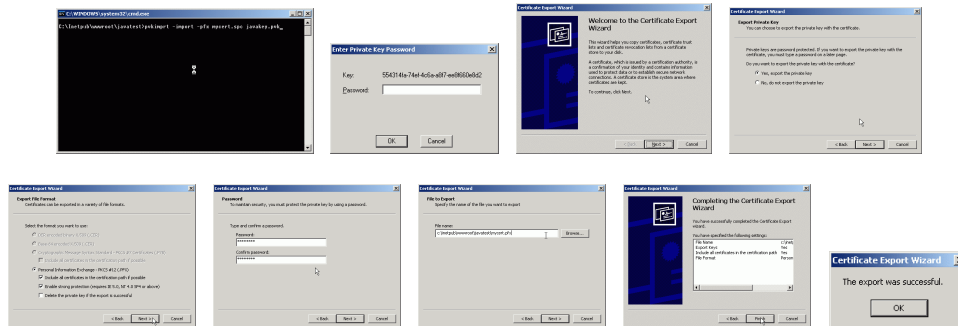- PKCS12Import [*http://wiki.austriangrid.at/files/PKCS12Import.java – compile with javac*]

Process
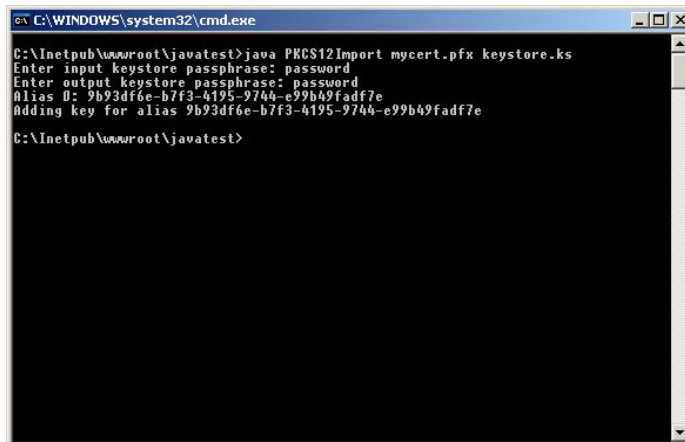1) Apply, pay for and collect a Comodo Authenticode Certificate
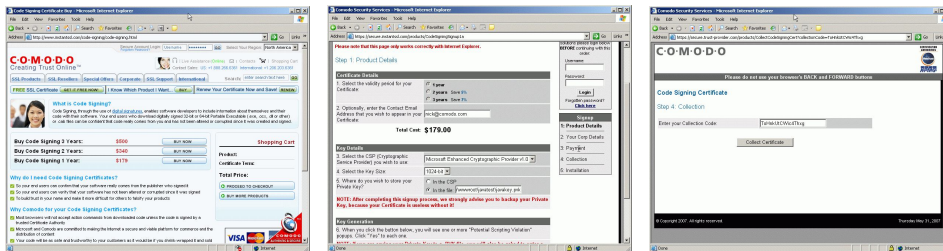
2) Export the PVK (Private key) and SPC (Certificate) files into a PFX/P12 file using '*pvkimprt*'.
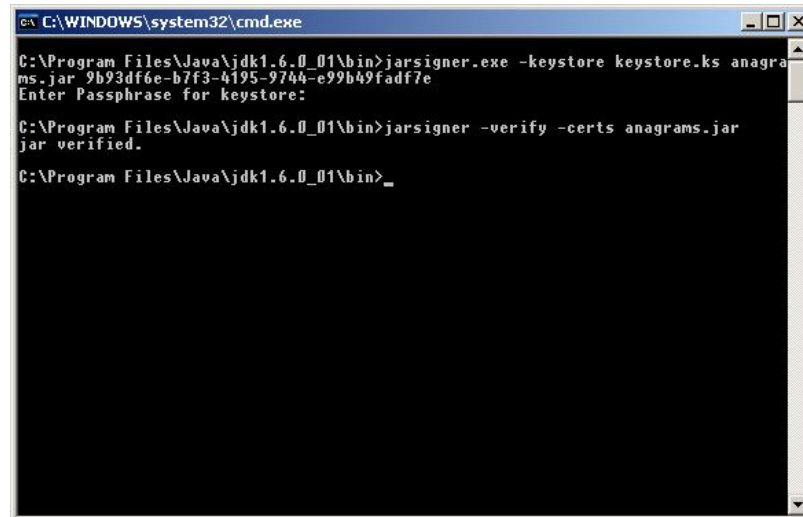
```
pvkimprt -import -pfx mycert.spc javakey.pvk
```


3) Import the PFX file into a new Java keystore with '*PKCS12Import*'

4) Sign the JAR file using the '*jarsigner*' tool, with the keystore created above.
   NOTE: the long number is the key alias, as displayed in the output of the PKCS12Import command. Ensure it matches!

   The jar file can then be verified.

```
C:\Program Files\Java\jdk1.6.0_01\bin>jarsigner.exe -keystore keystore.ks anagra
ms.jar 9b93df6e-b7f3-4195-9744-e99b49fadf7e
Enter Passphrase for keystore:

C:\Program Files\Java\jdk1.6.0_01\bin>jarsigner -verify -certs anagrams.jar
jar verified.

C:\Program Files\Java\jdk1.6.0_01\bin>_
```