

Deployment Part 1

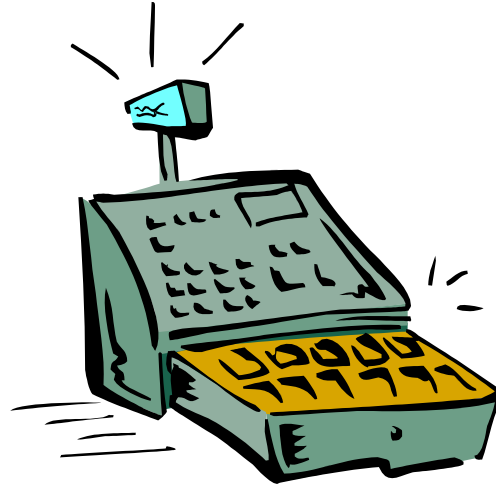
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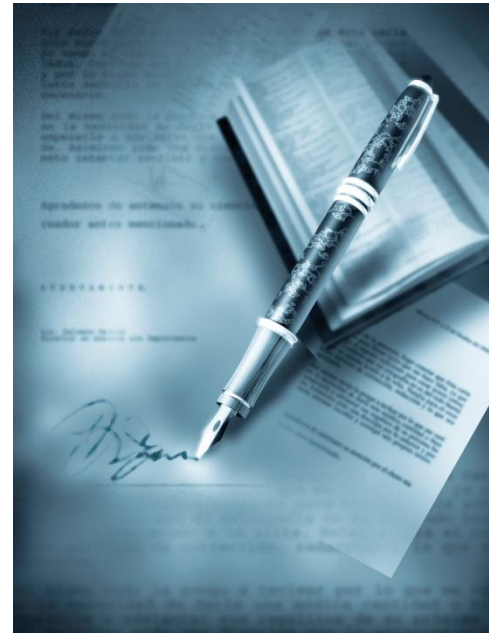
Introduction

- **Signing Your Application**
- **Exporting From Eclipse**
- **Manually Signing**
- **Obfuscating with Proguard**



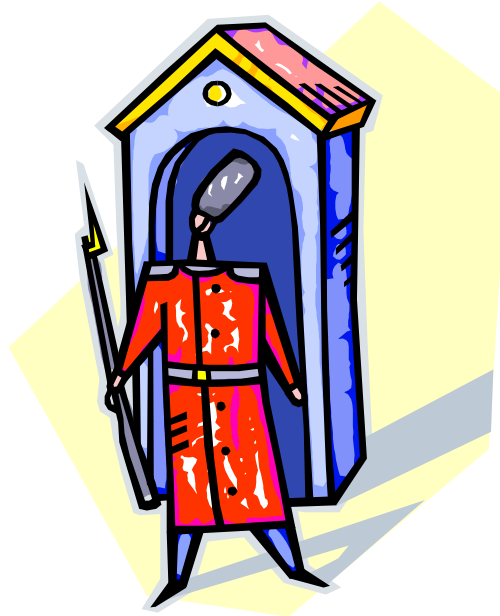
Signing Your Application

- All Android applications have to be signed
- Debug version is signed with debug key
- Certificates must expire after 22 Oct 2033 for Android Market
- Self-signing (No certificate Authority)
- Same certificate for
 - Upgrading
 - Sharing code



What is Proguard?

- Code Obfuscator
- Open source Java tool built into ADT
- Prevents decompile from being meaningful



Why Use Proguard?

- Sensitive security in your code
- Apps are easy to pirate, License Manager is not enough
- Very easy to decompile
- Stops you from being an easy target
- Reduces code size



When to Not Use Proguard

- Could be very difficult to configure with external libraries
- Harder to debug after deployed



Summary

- **Signing**
- **Exporting From Eclipse**
- **Manually Signing**
 - `keytool -genkey -v -keystore my-release-key.keystore -alias alias_name -keyalg RSA -keysize 2048 -validity 10000`
 - `jarsigner -verbose -keystore my-release-key.keystore my_application.apk alias_name`
 - `zipalign -v 4 your_project_name-unaligned.apk your_project_name.apk`
- **Obfuscating with Proguard**



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