



Flutter Training

Security measures and CICD



Recap

Week #7 Recorded Session:

<https://drive.google.com/file/d/1ClO8jadwCD6coKecH2NlyRP0yTz4hfqF/view?usp=drivesdk>

Week #7 Presentation (Animations):

<https://docs.google.com/presentation/d/158v3OZDC6Z8SRQUhMqFJT-xSesdxyd7pqUmp5jL9Vew/edit?usp=sharing>



VentureDive

Agenda

- Mobile app security measures
 - SSL Pinning
 - Encryption
 - Obfuscation
- Build artifacts generation
- Integrating CodeMagic (CICD tool)

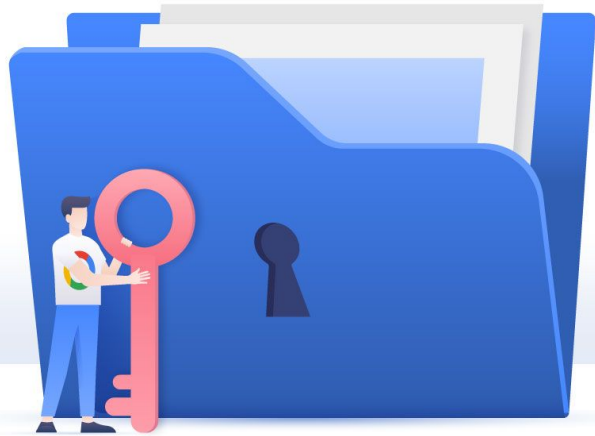




ssl_pinning plugin

Checks equality between the known
fingerprint and fingerprint of target
server





secure_storage plugin

Stores data in secure storage.

Keystore for Android

Keychain for iOS





Obfuscation

Modifying app's binary to make it harder for humans to understand.
Hides function and class name in compiled dart code.



Building for release Android

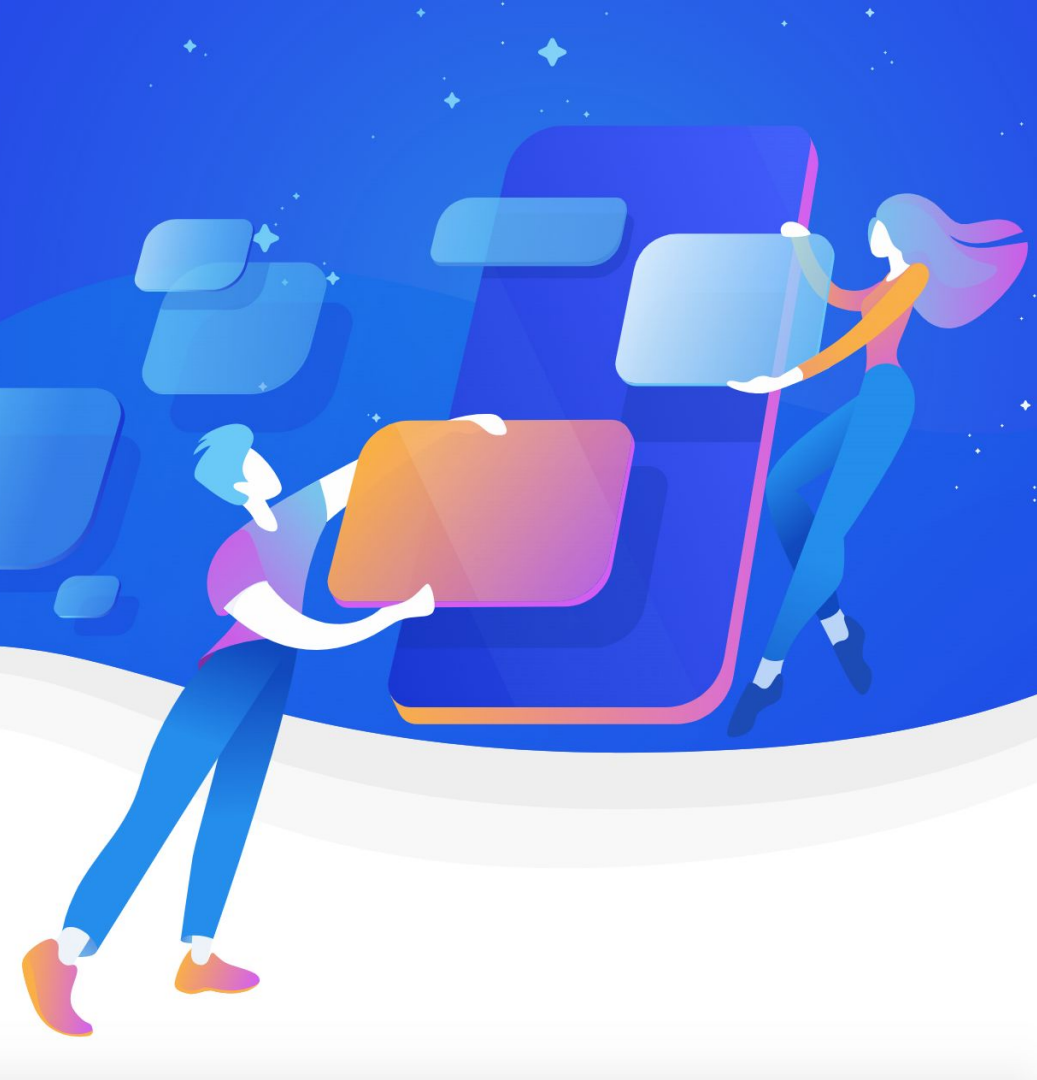
- App bundle generation
- .apk generation
- Publishing flow on Playstore



Building for release iOS

- .ipa generation
- Application loader flow (now managed by xcode)
- Publishing to TestFlight





CodeMagic

1. Test automation
2. Automatic builds
3. Automatic delivery
(publishing of artifact)





Assignment #1

- Create team on CodeMagic
(team name = your name)
- Write some unit tests in your example app
- Configure to run tests

Assignment #2

- Create a voting app





Thank you

Upcoming: Platform specific code

