

# Shorebird 体验

## 官方文档

<https://docs.shorebird.dev/>

## 测试必要条件

1. 需要 Google 账号（注册 shorebird 账号）
2. 需要科学上网

```
→ test_shorebird git:(main) ✗ shorebird patch ios-alpha

[WARN] iOS support is alpha. See https://docs.shorebird.dev/status#ios-alpha for more information.
✗ ClientException with SocketException: Connection reset by peer (OS Error: Connection reset by peer, errno = 54), address = oauth2.googleapis.com, port = 63124, uri=https://oauth2.googleapis.com/token
```

3. 需要升级 SDK 到官方支持的版本，实验版本是 3.13.9
4. 安装 shorebird

## 纯 Flutter 项目测试

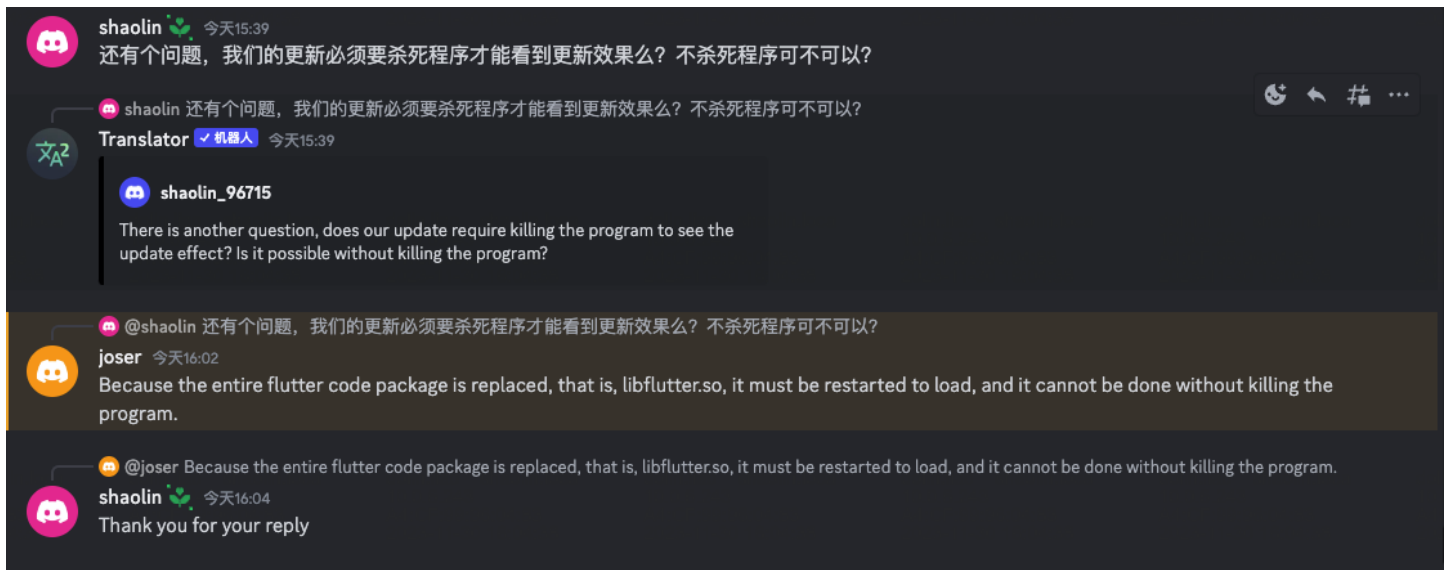
纯 Flutter 项目已经跑通 🙌🙌🙌

和官方文档不同的是，iOS 打包产物 ipa、Android 打包产物 apk 均上传至蒲公英（目前没有条件上传 Google Play 和 App Store），但已可热更新

## 纯 Flutter 热更问题

### 1.需要杀死程序一段时间后才能看到效果（必须杀死程序）

iOS 杀死程序等待时间比安卓长很多，目前公司网络测试情况是，安卓杀掉 app 等待几秒就可以看到变化，iOS 杀掉要等 5min 左右才可以，**稳定性还需继续测试**



## 2.资源文件不支持热更

```
[WARN] Your app contains asset changes, which will not be included in the patch.  
    Changed files:  
      base/assets/flutter_assets/NOTICES.Z  
      base/assets/flutter_assets/fonts/MaterialIcons-Regular.otf  
Continue anyways? █
```

## 3.补丁推送 iOS 与 Android 大小差别较大

如下图仅仅是 dart 侧修改文字颜色，推送补丁时的大小

推测：带有与原生通信的代码，也不支持推送

```

→ test_shorebird git:(main) x shorebird patch ios-alpha

[WARN] iOS support is alpha. See https://docs.shorebird.dev/status#ios-alpha for more
ormation.
✓ Fetching apps
✓ Building patch
Detected release version 1.0.3+1
✓ Fetching releases
✓ Fetching xcarchive artifact
✓ Compressing archive
✓ Verifying patch can be applied to release

🚀 Ready to publish a new patch!

📱 App: test_shorebird (ebd72bf7-ed71-4b65-8525-71d94517f7e0)
📦 Release Version: 1.0.3+1
📱 Platform: ios [aarch64 (4.42 MB)]
🟢 Track: Production

Would you like to continue?      Yes
✓ Creating patch
✓ Uploading artifacts
✓ Fetching channels
✓ Promoting patch to stable

✅ Published Patch 10!
→ test_shorebird git:(main) x shorebird release ios-alpha
→ test_shorebird git:(main)
→ test_shorebird git:(main)
→ test_shorebird git:(main) shorebird patch android
✓ Fetching apps
✓ Building patch
✓ Detected release version 1.0.3+1
✓ Fetching releases
✓ Fetching release artifacts
✓ Fetching aab artifact
✓ Downloading release artifacts
✓ Verifying patch can be applied to release
[WARN] Your app contains asset changes, which will not be included in the patch.
    Changed files:
        base/assets/flutter_assets/NOTICES.Z
        base/assets/flutter_assets/fonts/MaterialIcons-Regular.otf
Continue anyways?      Yes
✓ Creating artifacts

🚀 Ready to publish a new patch!

📱 App: test_shorebird (ebd72bf7-ed71-4b65-8525-71d94517f7e0)
📦 Release Version: 1.0.3+1
📱 Platform: android [arm64 (498.15 KB), arm32 (539.45 KB), x86_64 (515.46 KB)]
🟢 Track: Production

```

#### 4.iOS 目前在 alpha 阶段，稳定性不可靠

<https://docs.shorebird.dev/status#ios-alpha>

Github 上 issue: <https://github.com/shorebirdtech/shorebird/issues/674>

# Publish a Release

In order to start pushing updates, you will need to create a release.

Android

iOS (alpha)

```
shorebird release ios-alpha
```

Creating a release builds and submits your app to Shorebird. Shorebird saves the compiled Dart code from your application in order to make updates smaller in size.

## 5. iOS、安卓需要单独推送

## 混编项目测试

混编 Flutter 项目已经跑通 🙌🙌🙌

### 混编引用文档

iOS:

<https://docs.shorebird.dev/guides/release/ios>

Android:

<https://docs.shorebird.dev/guides/release/android>

注: shorebird 打的 release 版本号需要和原生保持一致

### 混编问题

- 1.也是必须杀死程序后再次进入 Flutter 页面才有可能看到热更新效果（有延迟）
- 2.安装新包需要覆盖 hotfix，如果下载老包，还是老的代码
3. 下载补丁没有 progress
- 4.手机不能开 VPN，charles 抓包发现一直不成功
- 5.其他未知坑点

## 总结

- 紧急修复 UI 相关 bug 可以考虑使用

- 目前还不支持推送即更新，需要杀死 APP 重新进入才可以看到热更（官方有计划推送即更新，需要持续关注，目前状况使用的话需要友好设计）
- Flutter SDK 需要升级
- 现有 Flutter 和原生的打包方式需要调整（iOS 我比较熟可独立操作，安卓需要原生同学支持）