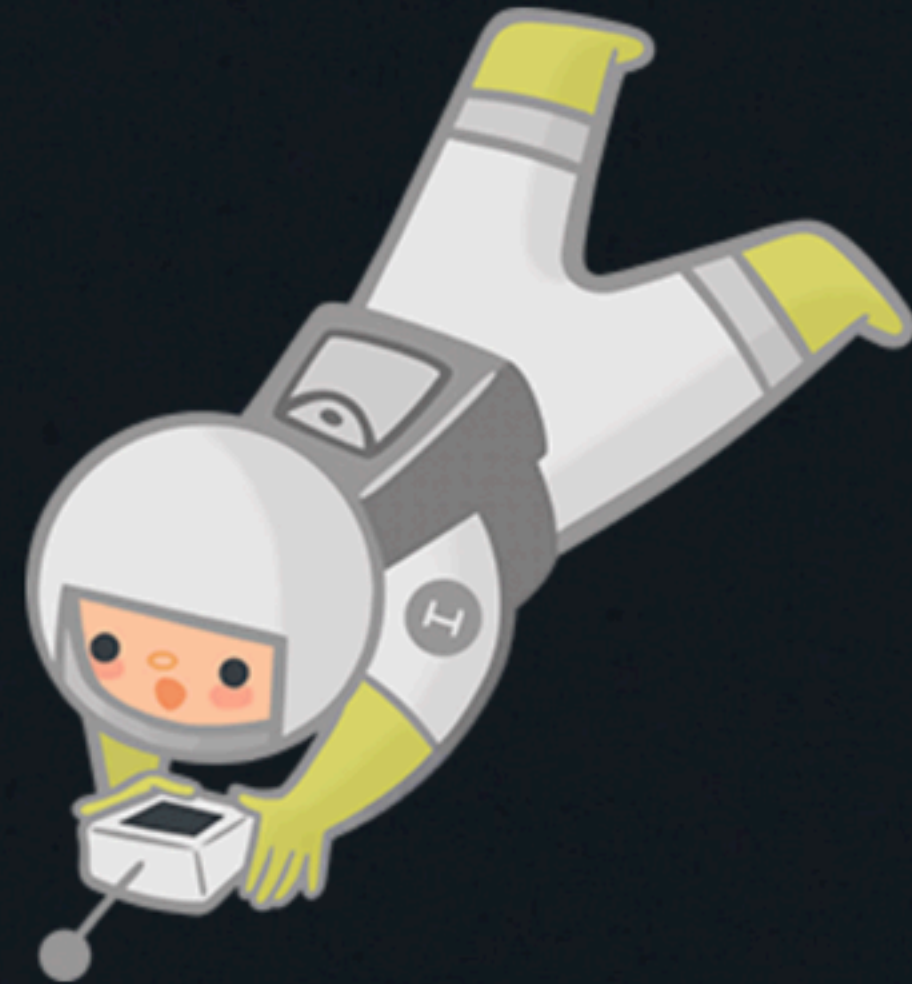


# helios<sup>beta</sup>

*an extensible open-source  
mobile backend framework*

Helios is an open-source framework that provides essential backend services for iOS apps, from data synchronization and push notifications to in-app purchases and passbook integration. It allows developers to get a client-server app up-and-running in just a few minutes, and seamlessly incorporate functionality as necessary.



# SETUP

- `gem install helios`
- APN-enabled .pem certificate
- Provisioning Profile with your device's UDID
- Core Data .xcdatamodeld (optional)
- Passbook, Newstand, IAP receipts (optional)



# APP ID

- App description (e.g. “My Push App”)
- Bundle ID (e.g. org.codefellows.mypushapp)

## App Services

Select the services you would like to enable in your app. You can edit your choices after this App ID has been registered.

Enable Services:

☐ Data Protection

☐ Complete Protection

☐ Protected Unless Open

☐ Protected Until First User Authentication

☒ Game Center

☐ iCloud

☒ In-App Purchase

☐ Inter-App Audio

☐ Passbook

☒ Push Notifications

# CERTIFICATE

- Create a CSR in Keychain Access
- Create an APN cert at [developer.apple.com](https://developer.apple.com)



**What type of certificate do you need?**

## Development

☐ **iOS App Development**

Sign development versions of your iOS app.

☒ **Apple Push Notification service SSL (Sandbox)**

Establish connectivity between your notification server and the Apple Push Notification service sandbox environment. A separate certificate is required for each app you develop.

# PROVISIONING PROFILE

- Create an iOS App Development profile
- Select App ID (e.g. org.codefellows.mypushapp)
- Select your certificate(s)
- Select device(s)
- Give your profile a name (e.g. MyPushApp\_Dev)
- Download profile and double-click to add to your keychain



# PREPARE FOR LAUNCH

```
$ openssl pkcs12 -in mypushapp.p12 \  
$ -out mypushapp.pem -nodes -clcerts  
$ helios new MyPushApp  
$ cp mypushapp.pem MyPushApp/  
$ cd MyPushApp/  
$ helios server
```

