

<https://www.youtube.com/watch?v=uQCE9zI3dXU> <https://docs.expo.dev/tutorial/eas/configure-development-build/>

## 1. `npx expo install expo-dev-client`

This unlocks dev-client, meaning, we not limited to EXPO GO

```
yuezhou@bitravage-mba-3 rural_alberta_health_connect_mobile % npx expo install expo-dev-client
210 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
yuezhou@bitravage-mba-3 rural_alberta_health_connect_mobile % npx expo start
env: load .env.local
env: export CONVEX_DEPLOYMENT EXPO_PUBLIC_CONVEX_URL FOURSQUARE_SERVICE_KEY
Starting project at /Users/yuezhou/projs/rural_alberta_health_connect_mobile
React Compiler enabled
Starting Metro Bundler
```



```
> Metro waiting on rahcapp://expo-dev-client?url=http%3A%2F%2F10.0.130%3A8081
> Scan the QR code above to open the project in a development build. Learn more

> Web is waiting on http://localhost:8081

> Using development build
> Press s | switch to Expo Go

> Press a | open Android
> Press i | open iOS simulator
> Press w | open web

> Press j | open debugger
> Press r | reload app
> Press m | toggle menu
> shift+m | more tools
> Press o | open project code in your editor

> Press ? | show all commands

Logs for your project will appear below. Press Ctrl+C to exit.
```

9 Launchpad 0 1 React Native Packager Live Share -- INSERT -- Ln 5, Col 5 (32 select

But in order for the dev development build to work, we need an actual development build.

## 2. `npm install -g eas-cli`

In order to make a development build, we need an EAS CLI, which is a cloud service.

## 2 Initialize a development build

### Install EAS CLI

We need to install the EAS Command Line Interface (CLI) tool as a global dependency on our local machine. Run the following command:

```
Terminal
- npm install -g eas-cli
```

### Log in or sign up for an Expo account

ⓘ If you have an Expo account and are signed in using Expo CLI, skip this step. If you don't have an Expo account, [sign up here](#) and proceed with the login command described below.

To log in, run the following command:

```
Terminal
- eas login
```

This command asks for our Expo account email or username and password to complete the login.

## 3. run `eas init`

Create an init an eas project on the cloud.

## 4. run `eas build:configure`

The screenshot shows a VS Code editor with a project named 'RURAL\_ALBERTA\_HEALTH\_CO...'. The file explorer on the left shows the project structure, with 'eas.json' highlighted. The main editor displays the content of 'eas.json':

```
1 {
2   "cli": {
3     "version": ">= 16.17.4",
4     "appVersionSource": "remote"
5   },
6   "build": {
7     "development": {
8       "developmentClient": true,
9       "distribution": "internal"
10    },
11    "preview": {
12      "distribution": "internal"
13    },
14    "production": {
15      "autoIncrement": true
16    },
17    "submit": {
18      "production": {}
19    }
20  }
21 }
22
```

Three colored arrows point from the configuration to the terminal:

- Green arrow from line 9 to the terminal command: `eas build --profile development`
- Yellow arrow from line 12 to the terminal command: `eas build --profile preview`
- Red arrow from line 15 to the terminal command: `eas build --profile production`

The terminal at the bottom shows the command `yuezhoub@bitrage-mba-3 rural-alberta-health-connect-mobile % eas build:configure` and its output:

```
➤ Your project is ready to build.
- Run eas build when you are ready to create your first build.
- Once the build is completed, run eas submit to upload the app to app stores.
- Learn more about other capabilities of EAS Build
  yuezhoub@bitrage-mba-3 rural-alberta-health-connect-mobile %
```

## 5. In `package.json`

include two new entries, so that eas platform don't messup with `ci`

```
"eas-install": "npm ci",  
"prebuild": "npm run eas-install"
```

6. build `eas build --platform android --profile development`

<https://youtu.be/D612BUtvvI8?t=75>

7. Wait 30 min.