

<https://www.youtube.com/watch?v=uQCE9zl3dXU> <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

A large QR code is displayed on the screen, which is the result of running the command. A green arrow points from the text "Scan the QR code above to open the project in a development build." to the QR code itself.
```

> Metro waiting on `rahcapp://expo_development-client/?url=http%3A%2F%2F10.0.0.130%3A8081`
> Scan the QR code above to open the project in a development build. [Learn more](#)

> Web is waiting on `http://127.0.0.1:8081`

> 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  Live Share -- INSERT --

Ln 5, Col 5 (32 selected)

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`

```
EXPLORER      ... analysis-improvements.md   20251002-gemini-api-setup.md   bottomNavigation.tsx M   index.tsx 1, U   step-by-step.md U   eas.json A X   zsh
RURAL_ALBERTA_HEALTH_CO...  eas.json > ...
.claude
  .cursor
  .expo
  .vscode
  android
  app
  assets
  convex
  docs
    app-flow
    architecture
    auth
    eas-dev-build
    error-handling
    git-workflow
    patterns
    pr30-ai-assess-and-bac...
    profile
    ios
    node_modules
    .env.local
    .gitignore
    app.json
    CLAUDE.md
  eas.json A
  eslint.config.js
  expo-env.d.ts
  package-lock.json M
  package.json M
  README.md
  tsconfig.json

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS
yuezhou@newbeverage-mba-3:~/rural_alberta_health_connect_mobile % eas build:configure
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
```

The screenshot shows a code editor with the `eas.json` file open. The file contains configuration for EAS build profiles. Three arrows point from callout boxes to specific sections of the JSON code:

- A green arrow points to the `"development": { "distribution": "internal" }` section, labeled `eas build --profile development`.
- A yellow arrow points to the `"preview": { "distribution": "internal" }` section, labeled `eas build --profile preview`.
- A red arrow points to the `"production": { "autoIncrement": true }` section, labeled `eas build --profile production`.

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/D612BUTvvl8?t=75>

7. Wait 30 min.