

React and Express API Setup with Three Portals

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1 Install Node.js and npm

If you don't have Node.js and npm installed, follow these steps:

1. Download and install Node.js from the official website: <https://nodejs.org/>
2. Follow the installation instructions for your operating system.

2 Setting Up React

```
1 npx create-react-app user-portal
```

Listing 1: Create a new React app

```
1 cd user-portal
```

Listing 2: Navigate to the React app directory

3 Setting Up Express API

```
1 npm install express-generator
2 npx express-generator api
```

Listing 3: Create an Express API

4 Create Admin Portal

Repeat steps for creating a new React app and Express API for the Admin portal, using port 3001 for the API.

5 Start the Applications

```
1 # Terminal 1 (User Portal)
2 cd user-portal
3 npm start
4
5 # Terminal 2 (Admin Portal)
6 cd admin-portal
7 npm start
8
9 # Terminal 3 (Express API)
10 cd user-portal/express-api
11 npm start
```

Listing 4: Start React and Express applications

Now, you should have your User Portal running on `http://localhost:3000`, Admin Portal on `http://localhost:3001`, and the Express API on `http://localhost:4000`. The React apps are configured to proxy API requests to the Express server.