

Step-by-Step Guide - ProcureHub

This guide explains how to set up and run the ProcureHub project on your local machine from scratch.

1) Install Node.js v20.12.2

Node.js is required to run both the backend (Node.js/Express) and frontend (React) applications.

Instructions:

- Go to the official Node.js website: <https://nodejs.org/en/download>
- Click on the **"Previous Releases"** section
- Download and install version **v20.12.2** for your operating system (Windows, macOS, Linux)
- During installation, make sure to check the box that says **"Add to PATH"**
- After installation, open your terminal and check the version:

```
node -v
```

```
npm -v
```

You should see:

```
v20.12.2
```

2) Clone the Backend and Frontend Repositories

Clone both repositories from GitHub into a local directory.

Instructions:

Open your terminal and run:

```
git clone https://github.com/Procure-Hub-Org/procure-hub-be.git
```

```
git clone https://github.com/Procure-Hub-Org/procure-hub-fe.git
```

This will create two folders:

- `procure-hub-be` (backend)
 - `procure-hub-fe` (frontend)
-

3) Run `npm install` in Both Repositories

This command installs all required packages (defined in `package.json`) for both the backend and frontend.

Instructions:

```
cd procure-hub-be
npm install
```

```
cd ../procure-hub-fe
npm install
```

You should see a `node_modules` folder created in each project. This means all dependencies are successfully installed.

4) Copy `.env.example` to `.env` and Configure It

Environment variables are used to define database credentials, ports, and secrets.

Instructions:

In the **`procure-hub-be`** folder, run:

```
cp .env.example .env
```

Then open the `.env` file in a text editor (like VS Code), and fill in the required values. Example:

```
DB_HOST=127.0.0.1
DB_PORT=5432
DB_NAME=procureHub
DB_USER=postgres
```

```
DB_PASS=your_db_password
FRONTEND_URL=http://localhost:5173
EMAIL_USER=your_email_address
EMAIL_PASS=2fa_password
```

Make sure the values match your local PostgreSQL setup.

If you do not have postgresQL installed, you can download it from:
<https://www.enterprisedb.com/downloads/postgres-postgresql-downloads> and then follow the wizard instructions.

In the **procure-hub-fe** folder, run:

```
cp .env.example .env
```

Then open the .env file in a text editor (like VS Code), and fill in the required values. Example:

```
VITE_API_URL=http://localhost:3000
VITE_WEBSOCKET_URL=ws://localhost:3000
```

5) Run Migrations with `npx sequelize-cli db:migrate`

This creates the database tables according to Sequelize models.

Instructions:

```
cd procure-hub-be
npx sequelize-cli db:migrate
```

If successful, you'll see a list of applied migrations in the terminal. You can confirm the tables exist using a tool like **pgAdmin** or **DBeaver**.

6) Optionally Run `npx sequelize-cli db:seed:all`

This step populates the database with sample data (e.g. categories).

Instructions:

```
npx sequelize-cli db:seed:all
```

7) Create Admin User: `npm run add-admin`

The app does not have a default admin. You must manually create one.

Instructions:

```
npm run add-admin
```

The terminal will prompt you to enter:

- Admin email
- Password
- Full name

This data is stored securely in the database. After creation, you can log in as the admin via the frontend.

8) Start Backend: `node index.js`

Now that the backend is configured and the database is ready, start the backend server.

Instructions:

```
npm start
```

If everything is set up correctly, you'll see something like:

```
Server running on port 3000
```

Keep this terminal open and running.

9) Start Frontend: `npm run dev`

Open a new terminal window or tab and start the frontend React app.

Instructions:

```
cd procure-hub-fe  
npm start
```

This will open your browser at `http://localhost:5173` by default.

If the backend is also running, the frontend will be able to fetch data and you'll see the landing page.

10) Open the App in Your Browser

Navigate to:

`http://localhost:5173`

You can now:

- Register as a buyer or seller
 - Log in with your admin credentials
 - Interact with the system like in production
-

Final Notes

- Make sure PostgreSQL is running locally.
- Ports used:
 - Backend: typically 3000
 - Frontend: Vite default 5173
- If ports are occupied, update them in `.env` and `vite.config.js`