Quick Start Commerce – Installation & Deployment Guide

By LaunchShed.com

A Complete E-Commerce Kit with Frontend, Admin Panel and APIs (Node.js + Next.js)

1 Prerequisites

This project is intended to be deployed on cloud-based or VPS servers like AWS, EC2, Digital Ocean etc, not shared hosting.

Make sure your server has following, if not then please follow the other documents mentioned below to install:

- 🔆 Node.js (v18 or later)
- 🔆 npm (v9 or later)
- OMONGODB (Cloud or local URI)
- 6 PM2 (for production)
- (NGINX (for reverse proxy)
- 🌍 A domain name (e.g., yourdomain.com)

📁 Project Structure

quick-start-commerce/

— client/ # Frontend - Next.js

public/

- views/ # Admin EJS Views
- routes/, controllers/ models/ etc. (Backend)
- app.js # Express backend entry
- package.json # Root config
- env.example # copy paste to create .env
- README.md

1. 🚀 Download & Install

Download quick-start-commerce.zip and extract it to quick-start-commerce **cd quick-start-commerce**

Install dependencies: npm install --legacy-peer-deps

2. 🔆 Environment Setup

Create .env files:

Root .env: **cp .env.example .env**

Client .env: cp client/.env.example client/.env

Now, update the following fields in your .env files based on your environment. Check the corresponding guides if you need help.

- Root `.env` (Server):
 - CLIENT_URL=https://yourdomain.com (Public client URL)
 - MONGO_URI=mongodb+srv://... (Refer: MongoDB Setup)
 - STRIPE_SECRET_KEY=sk_test_... (Refer: == Stripe Integration)
 - ADMIN_EMAIL=youremail@example.com (To receive admin emails)
 - ADMIN_SECRET_KEY=YOUR_ADMIN_SECRET (This is needed to create admin user)
 - SMTP_HOST=your-smtp-host.com (Refer: 📧 SMTP Setup)
 - SMTP_PORT=587 (Refer: 📧 SMTP Setup)
 - SMTP_SECURE=false (Refer: 📧 SMTP Setup)
 - SMTP_USER=your-smtp-username (Refer: 📧 SMTP Setup)
 - SMTP_PASS=your-smtp-password (Refer: 📧 SMTP Setup)
 - EMAIL_FROM=your@email.com (Refer: 📧 SMTP Setup)

- Client `.env` (Frontend):
 - NEXT_PUBLIC_ADMIN_BASE_URL=<u>https://yourdomain.com</u>
 - NEXT_PUBLIC_STRIPE_PUBLIC_KEY=pk_test_... (Refer: == Stripe Integration)

3. <u> Development (optional for local)</u>

npm run dev

- Frontend: http://localhost:3000
- Backend API: http://localhost:5000/api
- Admin panel: http://localhost:5000/admin

Note - If you are using any ip, you can use http://ip:port

4. T Build for Production

npm run build

5. **Start in Production (PM2 Recommended)**

sudo npm install -g pm2 pm2 start app.js --name backend pm2 start npm --name frontend -- start --prefix client pm2 save

6. MGINX Setup for Domain Mapping (Linux)

sudo apt update sudo apt install nginx

Example NGINX Config (replace yourdomain.com with your actual domain): Place this inside under nginx sites-available (follow nginx setup guide, if not aware)

server {
 listen 80;
 server_name yourdomain.com;

```
location /api {
    proxy_pass http://localhost:5000/api;
    proxy_http_version 1.1;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection 'upgrade';
    proxy_set_header Host $host;
    proxy_cache_bypass $http_upgrade;
}
```

location /admin {
 proxy_pass http://localhost:5000/admin;
 proxy_http_version 1.1;
 proxy_set_header Upgrade \$http_upgrade;
 proxy_set_header Connection 'upgrade';
 proxy_set_header Host \$host;
 proxy_cache_bypass \$http_upgrade;
}

}

} }

```
location / {
    proxy_pass http://localhost:3000;
    proxy_http_version 1.1;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection 'upgrade';
    proxy_set_header Host $host;
    proxy_cache_bypass $http_upgrade;
}
```

7. 🔐 SSL with Let's Encrypt (Optional but Recommended)

Install Certbot:

sudo apt install certbot python3-certbot-nginx

Run: sudo certbot --nginx -d yourdomain.com

8. 👰 Admin Signup

Once setup, visit: https://yourdomain.com/admin/signup

- ADMIN_SECRET_KEY (from root .env file) is required to create your first admin user.



Need help?

Check individual setup files:

- 🗱 Node.js setup
- MongoDB Setup
- 📧 SMTP / Nodemailer Setup
- 💳 Stripe Integration
- 🔴 Nginx Setup

Or contact support: support@launchshed.com