

Deploying a Node.js App with Docker on AWS EC2

✓ 1. Security Group Settings

Make sure your EC2 instance's **inbound rules** include:

Type	Protocol	Port	Source	Description
HTTP	TCP	80	0.0.0.0/0	Web Traffic
Custom TCP	TCP	3000	0.0.0.0/0	Node.js App in Docker
HTTPS	TCP	443	0.0.0.0/0	Secure Web Traffic
SSH	TCP	22	Your IP	Remote Access

2. Install Docker on EC2

```
# Update packages
sudo yum update -y

# Install Docker
sudo yum install -y docker

# Start Docker service
sudo systemctl start docker
sudo systemctl enable docker

# Add ec2-user to docker group
sudo usermod -aG docker ec2-user
# Reconnect to apply group change
exit
```

3. Upload or Clone Your App

```
git clone -b Linux-Fix https://github.com/caw083/Book-Management.git
cd Book-Management
```

4. Build dan Jalankan Docker Container

```
docker build -t book-management-app .
docker run -d -p 3000:3000 \
  -e NODE_ENV=production \
  -e PORT=3000 \
  -e
MONGO_URI="mongodb+srv://christopher083ade:TCjue30K0kDvEuYt@bookmanagement.76ttklh.
mongodb.net/BookManagement?retryWrites=true&w=majority" \
  -e JWT_SECRET="your_jwt_secret_here" \
  -e JWT_EXPIRE="30d" \
  book-management-app
```

5. Kemudian cek Link Publik dari server AWS

kemudian cek Link Public dari server aws kita

```
http://ec2-107-21-140-191.compute-1.amazonaws.com:3000/
http://107.21.140.191:3000/
```