

# Troubleshooting

## Common Issues

### 1. Database Connection Errors

**Problem:** Cannot connect to PostgreSQL/MongoDB

```
ERROR NOT CONNECTED to the database!
```

**Solutions:**

- Verify database is running
- Check connection credentials in `.env`
- Ensure firewall allows database port
- Check database host/port configuration

### 2. Redis Connection Failed

**Problem:** Redis client connection error

```
Redis Error - Connection refused
```

**Solutions:**

- Start Redis server: `redis-server`
- Check Redis password configuration
- Verify Redis port (default: 6379)
- Check if Redis is running: `redis-cli ping`

### 3. Minio Connection Issues

**Problem:** Cannot connect to Minio

```
Minio Error - Connection refused
```

**Solutions:**

- Start Minio server

- Verify endpoint, port, and credentials
- Check bucket exists
- Ensure SSL configuration matches

## 4. File Upload Failures

**Problem:** Files not uploading or temp directory errors

**Solutions:**

- Ensure temp directories exist and have write permissions

```
mkdir -p resources/temp/upload
mkdir -p resources/temp/review
mkdir -p resources/temp/pdf
chmod -R 755 resources/
```

- Check disk space
- Verify Multer configuration

## 5. JWT Token Invalid

**Problem:** Authentication fails with valid-looking token

**Solutions:**

- Verify JWT\_SECRET matches token generation
- Check token expiration
- Ensure token format: Bearer <token>
- Verify token signature

## 6. Scheduled Tasks Not Running

**Problem:** Cron jobs not executing

**Solutions:**

- Check node-cron syntax
- Verify server timezone
- Check logs for errors
- Ensure process stays running (use PM2)

## 7. WebSocket Connection Failed

**Problem:** Chat not working, Socket.IO errors

## Solutions:

- Check CORS configuration
- Verify WebSocket port is open
- Check Nginx/proxy configuration for WebSocket support
- Ensure HTTP server is created correctly

## 8. Payment Webhook Not Receiving

**Problem:** Xendit webhooks not being received

### Solutions:

- Verify webhook URL is publicly accessible
- Check callback token matches
- Examine webhook logs in Xendit dashboard
- Test with webhook testing tools
- Ensure HTTPS in production

# Debugging Tips

### 1. Enable Debug Logging

```
// In index.js
const morgan = require('morgan');
app.use(morgan('combined'));
```

### 2. Check Database Queries

```
// Sequelize logging enabled by default in development
// Check console for SQL queries
```

### 3. Monitor Process

```
pm2 logs onmarket-api
pm2 monit
```

### 4. Check Port Availability

```
lsof -i :3610
netstat -tulpn | grep 3610
```

### 5. Test Database Connections

```
# PostgreSQL
psql -h localhost -U onmarket_user -d onmarket_db
```

```
# MongoDB
```

```
mongo mongodb://localhost:27017/onmarket
```

```
# Redis
```

```
redis-cli -h localhost -p 6379 ping
```

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