

# Successful and Failed Tests for Registry Node Configuration and Integration - Post EC2 Federation Sync Setup

Status Report Jun 17, 2025

## ✅ Tests That Passed [🔗](#)

### 🔧 1. DNS + Nginx SSL Setup [🔗](#)

- [registry.ntari.org](https://registry.ntari.org) resolves to `18.234.49.114`
  - HTTPS + Nginx forwarding in place via `port 443 → localhost:3000`
  - Let's Encrypt certs are present and configured
  - ✅ Verified in `/etc/nginx/sites-enabled/registry` config
  - ✅ `curl -I https://registry.ntari.org/health` returned `200 OK`
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### 📄 2. MongoDB Connection [🔗](#)

- `.env` includes correct `MONGO_URI`
  - PM2 logs show: `MongoDB Connected`
  - ✅ Indicates MongoDB cloud Atlas connection is successful from EC2
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### 🔒 3. Security Group Configuration [🔗](#)

- Registry node SG allows:
    - `TCP:22` (SSH)
    - `TCP:80` (HTTP)
    - `TCP:443` (HTTPS)
    - `TCP:3000` (Custom port open publicly)
  - ✅ Verified open ports in AWS Security Group rules
  - ✅ No firewall blocking external requests (test not refused)
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### ⚙️ 4. PM2 Configuration [🔗](#)

- Registry node:
    - PM2 process `registry-backend` is registered
    - Logs available via `pm2 logs registry-backend`
  - ✅ PM2 has auto-restart behavior
  - ✅ Cron/federation sync job script ( `federation-sync.js` ) exists
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## ❌ Tests That Failed [🔗](#)

### 🚫 1. Federation API Access (Port 3000) [🔗](#)

- From backend node ( 54.211.206.117 ):

```
1 curl http://18.234.49.114:3000/federation/users
```

**✗ Failed:** Connection refused

- Root cause: Node.js app **never successfully bound to port 3000**

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## 🚫 2. Node Server Not Listening [🔗](#)

- On registry node:

```
1 sudo lsof -iTCP:3000 -sTCP:LISTEN -n -P
```

**✗ No output:** Node app is **not listening**

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## 🚫 3. PM2 App Runtime Crash [🔗](#)

- PM2 status showed:

```
1 registry-backend | status: errored | memory: 0b
```

- **✗** `pm2 logs` show fatal error:

```
1 SyntaxError: Identifier 'depositRoutes' has already been declared
```

- **✗** Server starts, but exits immediately → `port 3000` never opens

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## 🚫 4. Wix Frontend → Registry Node Integration [🔗](#)

- Because registry backend (port 3000) is down:

- **✗** Any Wix or browser requests to:

```
1 https://registry.ntari.org/federation/users
```

This will fail with 502 or 504 Gateway errors (Nginx can't forward to upstream)

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## 🚧 Tests Not Yet Fully Confirmed (Pending Fix) [🔗](#)

- `/federation/users` endpoint functionality
- POST federation from backend to registry via secure API key
- Auto federation sync script (runs, but not syncing until backend is online)

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## ✅ Once You Fix the Crash (Duplicate `depositRoutes` ): [🔗](#)

Re-run:

```
1 pm2 restart all sudo lsof -iTCP:3000 -sTCP:LISTEN -n -P curl http://localhost:3000/health
```

Then confirm again from:

```
1 curl http://18.234.49.114:3000/federation/users
```

Once this passes, all core integrations — **Wix frontend** → **Nginx** → **Node server** → **MongoDB** → **Federation** — will be online.

