

Testing Summary: Successful and Failed Tests for Registry-Backend Integration

Status Report Jun 18, 2202

✓ Tests That Passed [🔗](#)

| ✓ Test | Result | Notes |
|---|----------|--|
| PM2 process boots for registry-backend | ✓ online | PM2 confirms the registry node is running without crashes. |
| server.js listens on 0.0.0.0:3000 | ✓ | Allows external EC2 traffic to reach it — confirmed in code. |
| Health check endpoint defined (/health) | ✓ | Present in server.js and correctly placed before middleware. |
| Federation sync job (runFederationSync()) is called | ✓ | Automatically starts on boot. |
| Correct CORS settings for Wix (https://www.ntari.org) | ✓ | Production-safe CORS with credentials enabled. |
| All core routes present | ✓ | Including /api/auth, /users, /products, /marketplace, etc. |
| No syntax or duplicate declaration errors | ✓ | userRoutes.js was successfully debugged and restructured. |

✗ Tests That Failed [🔗](#)

| ✗ Test | Result | Root Cause |
|---|---------------------|---|
| curl -i http://localhost:3000/health (from inside EC2) | ✗ Failed to connect | This <i>initially</i> failed due to broken server.js or port not binding — later fixed. |
| curl -i http://18.234.49.114:3000/health (from backend EC2) | ✗ Still failing | Implies that even though PM2 is running, the port is still not exposed or reachable. |
| lsof -iTCP:3000 -sTCP:LISTEN shows no output | ✗ Port not bound | Server is running, but not actively listening — possibly a logic or port conflict. |

| | | |
|--|--------------------------|--|
| Federation test: <code>POST /federation/users</code> | ❌ 502/connection refused | Either nginx is misconfigured or registry is not responding behind it. |
| Frontend ↔ Registry Sync (via curl from Wix or localhost) | ❌ Fails to connect | Confirmed failure to connect to port 3000 — either due to EC2 firewall, missing <code>server.listen()</code> , or pm2 crashing before binding. |

⚠️ Mixed or Incomplete Tests [↗](#)

| 🟡 Test | Status | Notes |
|---|----------------------------------|---|
| MongoDB external connection | 🟡 Confirmed running | But not all backend services confirmed as connected. |
| <code>Socket.IO</code> bindings | 🟡 No crash, but no events tested | Function present, but socket endpoints haven't been verified yet. |
| Wix API automation & webhook integration | 🟡 Unknown | Not tested yet — needs to be verified via Wix Dev Mode. |

🔄 What Must Be Verified Now (To Reach Stable Integration) [↗](#)

| 🔧 Task | Command / Location |
|--|--|
| Confirm <code>server.listen(PORT, '0.0.0.0')</code> works | Try <code>curl -i http://localhost:3000/health</code> again inside registry node |
| Verify binding on port 3000 | <code>sudo lsof -iTCP:3000 -sTCP:LISTEN -n -P</code> |
| Restart PM2 fresh and re-check | <code>pm2 delete all && pm2 start server.js --name registry-backend</code> |
| Open EC2 security group for port 3000 (ingress) | Confirm in AWS Console: port 3000 is open from 0.0.0.0/0 |
| Test Federation again | <code>curl -X POST http://18.234.49.114:3000/federation/users</code> with API key |

🌐 Wix ↔ Backend/Registry Communication Critical Paths [↗](#)

| Component | Endpoint | Status |
|-----------|----------|--------|
|-----------|----------|--------|

| | | |
|-----------------------------|--|-----------------------------|
| Wix Frontend ↔ Backend EC2 | <code>/api/auth</code> , <code>/users</code> , <code>/products</code> | ✓ (assumed) |
| Wix Frontend ↔ Registry EC2 | <code>/federation/users</code> , <code>/trends</code> , <code>/deposit</code> | ✗ Currently failing |
| Backend ↔ Registry | <code>/federation/users</code> , <code>POST/GET</code> | ✗ No external port exposure |

✚ Summary [🔗](#)

Fruitful app is **very close to stable federation launch**.

The **code structure is now correct**, federation sync logic is present, and core routes are back in place. What's failing now is **port binding + network visibility**.

✓ Next Steps for Full Pass [🔗](#)

1. **Fix port binding issue** (`lsof -iTCP:3000`) → ensure `server.listen` is active.
2. **Double-check server crash logs** with `pm2 logs registry-backend` .
3. **Check AWS security group** for inbound TCP/3000.
4. **Temporarily disable nginx reverse proxy**, or check nginx config if it's intercepting and failing.
5. **Retry federation test** after server is verified listening.