Wix and AWS EC2 Integrationfor Agrinet - Pre EC2 Federation Sync Setup

Status Report   Jun 15, 2202

✅ Wix ↔ AWS EC2 Integration for Agrinet 🔗

Frontend:

🐢 the Agrinet Project | NTARI.org

🐢 fruitfulPlatform | NTARI.org

Backend:

- `api.ntari.org` (EC2: Backend Node)
- `registry.ntari.org` (EC2: Registry Node)

✅ COMPLETED MODULES 🔗

🔐 1. Authentication System (Wix Velo) 🔗

- `auth.jsw` exports: `registerUser`, `loginUser`, `logoutUser`
- Frontend UI triggers: `#loginButton`, `#registerButton`, `#logoutButton`
- ✅ Working as intended and deployed without build errors

👤 2. Submit User to EC2 🔗

- Endpoint: `https://api.ntari.org/users`
- Fields: `#nameInput`, `#locationInput`
- Submission via `#submitUserBtn`
- ✅ Confirmed functional and accepted by EC2 backend

👥 3. User Repeater from Registry 🔗

- Endpoint: `https://registry.ntari.org/users?role=producer`
- Displayed via: `#userRepeater`, `#emailText`, `#locationText`, `#roleText`, `#statusText`
- ✅ Repeater successfully renders filtered data

🛒 4. Submit Product via Wix Backend 🔗

- Backend file: `products.jsw`
- Method: `createProduct(request)`
- Triggered by: `#submitProductBtn`
- ✅ Validations included, no build errors

🩺 5. API Status Check 🔗

- Ping endpoint: `https://api.ntari.org/users`
- Result shown in: `#messageBox`
- ✅ Works and includes error feedback

✅ FILE & STRUCTURE VERIFICATION 🔗

File	Status	Notes
`auth.jsw`	✅ Complete	Login/Register/Logout wrapped
`products.jsw`	✅ Complete	Stores product in-memory
`theAgrinet.js`	✅ Deployed	No errors, logic consolidated
`build.log`	✅ Clean	No syntax or runtime issues

🧪 6. Add input validation (optional) 🔗

- Require `username`, `location`, `title`, `price`
- Alert user if empty

📦 7. Store products in MongoDB or Registry Node (optional) 🔗

- Current implementation stores in-memory only
- Can upgrade to store in EC2 or MongoDB Atlas

🗂️ 8. Optional Enhancements 🔗

- Add dropdown filter for role/location
- Display products submitted by user
- Add repeater pagination
- Create an Admin Dashboard view

🧾 RECOMMENDATIONS 🔗

Task	Recommendation
🌐 EC2 Federation Sync Setup	Schedule for Phase 2
🔐 Secure Admin Tools (Wix)	Use `wix-users` + `roles`
📄 Generate API Docs	Optional: Swagger/OpenAPI
🌍 Shareable `.env.template`	Useful for onboarding federation nodes
📤 Export logs or metrics	Add endpoint or Mongo hooks