The Intent Web: Ecosystem Model & KPI-Based Roadmap

1. Overview

The Intent Web establishes a decentralized, agent-driven ecosystem for dynamic interface generation. This roadmap defines the phased development of the protocol, accompanied by measurable KPIs, ecosystem roles, and infrastructure milestones.

---

2. Ecosystem Participants

Users

- Own data, interfaces, and UI policies.
- Interact through natural language or templates.

Agent Providers

- Publish agents for intent parsing, schema generation, data retrieval, and design.
- Monetize via micropayments.

Renderer Providers

- Build adapters for React, Flutter, CLI, AR.
- Offer themes, optimizations, enterprise modules.

Framework Providers

- Provide accessibility layers, logic modules, design systems.

Data Source Providers

- Integrate on-chain data, decentralized storage, Web2 APIs.

DAO Governance

- Manages certified component library.
- Oversees agent registry, disputes, upgrades.

---

3. Economic & Incentive Structure

Cost Distribution

- **Users:** Optional payment per agent call; free local agents.
- **Agent Providers:** Earn per intent execution.
- **Renderer Providers:** Earnings via premium adapters, styles.

- **DAO Treasury:** A small protocol fee (dynamically adjusted by the DAO based on usage and sustainability needs).

Incentive Model

Actor	Incentive	Value Proposition
Users	Free/paid agents	Own UI; zero dependency on dev teams
Agent Devs	Earn per intent	Monetize AI skills without building apps
Renderers	Premium modules	Become part of new UI standard
DAO	Protocol fees	Secure evolution of interface layer

4. Phase Roadmap (KPI-Driven)

Phase 1 MVP: "My Portfolio, My UI"

Timeframe: Months 1–6

Deliverables:
- Intent → Schema → React Renderer pipeline.
- 10 certified UI components.
- Secure WASM sandbox.
- Wallet + crypto data integrations.

KPIs:
- 95% success rate across 10 predefined intents.
- < 2s render time for generated UIs.
- First public demo.

Phase 2 Open Agent Marketplace (Beta)

Timeframe: Months 7–12

Deliverables:
- Agent Registry (on-chain or decentralized index).
- Cost metadata, ratings, provider identity.
- Micropayment integration.

KPIs:
- 10+ third-party agent providers.
- Ability to switch agents for same intent.
- Average agent response time < 500ms.

Phase 3 Multi-Platform Renderers

Timeframe: Months 13–18

Deliverables:
- React, Flutter, and CLI renderers.
- UI Policy Engine for enterprises.
- Component allowlists + constraints.

KPIs:
- "Render once, run anywhere" success rate: 90%+.
- 20 certified components.
- First enterprise integration.

Phase 4 Incentivized Ecosystem

Timeframe: Months 19–24

Deliverables:
- Token incentives for high-rated agents.
- DAO model for governance.
- Community component certification.

KPIs:
- 1,000 daily active users.
- 50+ certified components.
- Successful first DAO vote.

---

5. Bootstrap Strategy

To avoid cold-start problems, the ecosystem launches with one high-value use case:

"Cross-chain Multi-Wallet Dashboard"
- High demand (10M+ crypto users).
- Simple to demonstrate I2I value.
- Validates real-time rendering, schema consistency, and caching.

---

6. Governance Model

The Intent Web DAO governs:
- Protocol upgrades.
- Component certification.

- Dispute resolution (agent behavior).
- Token distribution.
- Treasury management.

DAO tools:
- On-chain registry.
- Voting module.
- Reputation tracking for agents.

---

7. Scalability & Optimization

- Local-first lightweight agents for instant intent parsing.
- Intent caching (intent hash → schema).
- Model distillation for low-cost inference.
- Community compute pools for distributed training.

---

8. Future Scenarios

Individuals: Personalized dashboards across Web2 + Web3.

Enterprises: UI policies + internal agents for ERP, analytics.

Industry Agents: Finance agents, design agents, compliance agents.

Education: Dynamic study dashboards.

---

9. Conclusion

The roadmap establishes a clear progression from MVP → decentralized marketplace → standardized interface layer. The Intent Web evolves into a self-sustaining ecosystem driven by agents, renderers, users, and decentralized governance.

The Intent Web — I2I Protocol

Roadmap v1.0

Published: November 2025

Author: Mashhour Darweish

Official Repository: https://github.com/masdar80/i2iweb/