ITRIX

ITRIX-WHITE PAPER

AI-driven Web3.0 social media platform

[REAL-TIME INFLUENCE, ANYWHERE, ANYTIME]

▌Abstract:

ITRIX is a next-generation decentralized social media platform fusing Web3 and AI technologies, designed to address issues of traditional Web2 social networks such as data monopolies, privacy breaches, and unfair creator monetization. By leveraging Web3, ITRIX gives users full autonomy over their digital identity, personal data, and creative content, truly returning content value to users and creators. At the same time, ITRIX deeply integrates generative AI (AIGC) to provide intelligent content creation and virtual avatar interactions, creating a personalized and immersive social experience.

Through an innovative "digital avatar" model, each user can create and control their own AI-driven virtual persona, enabling cross-scenario social interactions and content creation while earning value in return. The decentralized architecture ensures user data sovereignty and content ownership, and intelligent AI tools greatly boost content production efficiency and interaction quality.

ITRIX's vision is to build a social ecosystem truly co-owned and governed by its users, achieving the perfect combination of technical rationality and strategic insight, and an effective fusion of brand narrative with user value. This vision will ignite unprecedented social vitality, reshape the social ecosystem, and drive Web3 social networking to break into mainstream adoption.

I. Market Background

1.1 Social Evolution

1.1.1 Technological Evolution of Social Networking

Social interaction is a fundamental human need. From primitive tribal language exchanges to modern global online interactions, technology has always been the engine driving the evolution of social methods. Early forums and blogs (BBS, Blog) marked the first digital social experiments. Web2, riding the wave of mobile internet, ushered in a golden age of social platforms—Facebook, Twitter, TikTok and others built social networks connecting the globe, greatly enriching forms of content expression and user interaction.

However, behind improved efficiency, structural issues have emerged. Data is held in the hands of platforms; algorithms driven by profit dictate content feeds; creators are marginalized; and users have become the "product." Technology has indeed made socializing "faster," but not necessarily made connections "better."

1.1.2 The Trend of Returning to True Social Value

Truly valuable social interaction should be a process of building deep connections and trust, supporting individual expression, emotional exchange, and the unleashing of creativity. As people grow more aware of data rights and freedom of expression, and as new digital technologies proliferate, a user-centered, disintermediated social paradigm is rapidly taking shape. The convergence of Web3 and AI is providing the technical support and imaginative possibilities for this new paradigm.

1.2 Predicament of Web2 Social

1.2.1 Structural Monopoly of Data and Privacy

Traditional social platforms built closed commercial loops via centralized models. All user behavior data on the platform is controlled by the platform and used for targeted advertising and monetization, yet users receive no value in return. This structural monopoly strips data away from users, not only infringing on privacy but also making it difficult for users to migrate or retain self-sovereign control of their information.

1.2.2 Misaligned Value for Content Creators

Web2 platforms may have vibrant content ecosystems on the surface, but revenue distribution is severely imbalanced. Platforms, as traffic distributors, dominate the revenue, while content creators struggle to receive transparent and fair incentives due to opaque algorithms. This "platform predator" ecosystem stifles sustained supply of quality content and dampens creative enthusiasm.

1.2.3 Lack of User Participation and Sense of Belonging

Although users produce and consume the bulk of a platform's content, their voice in community governance and platform development is minimal. Decision-making is highly centralized within the platform company, creating a structural alienation between users and the platform. This one-way domination model ultimately erodes user engagement and community vitality.

1.2.4 The Need for Catalytic Change

While Web2 social networks achieved significant milestones, they also exposed fundamental contradictions in their growth model and incentive mechanisms. In this context, a new direction centered on user rights, value return, and community co-governance—Web3 social—has begun to emerge as a path for exploration.

1.3 Value Reshaping in Web3 Social

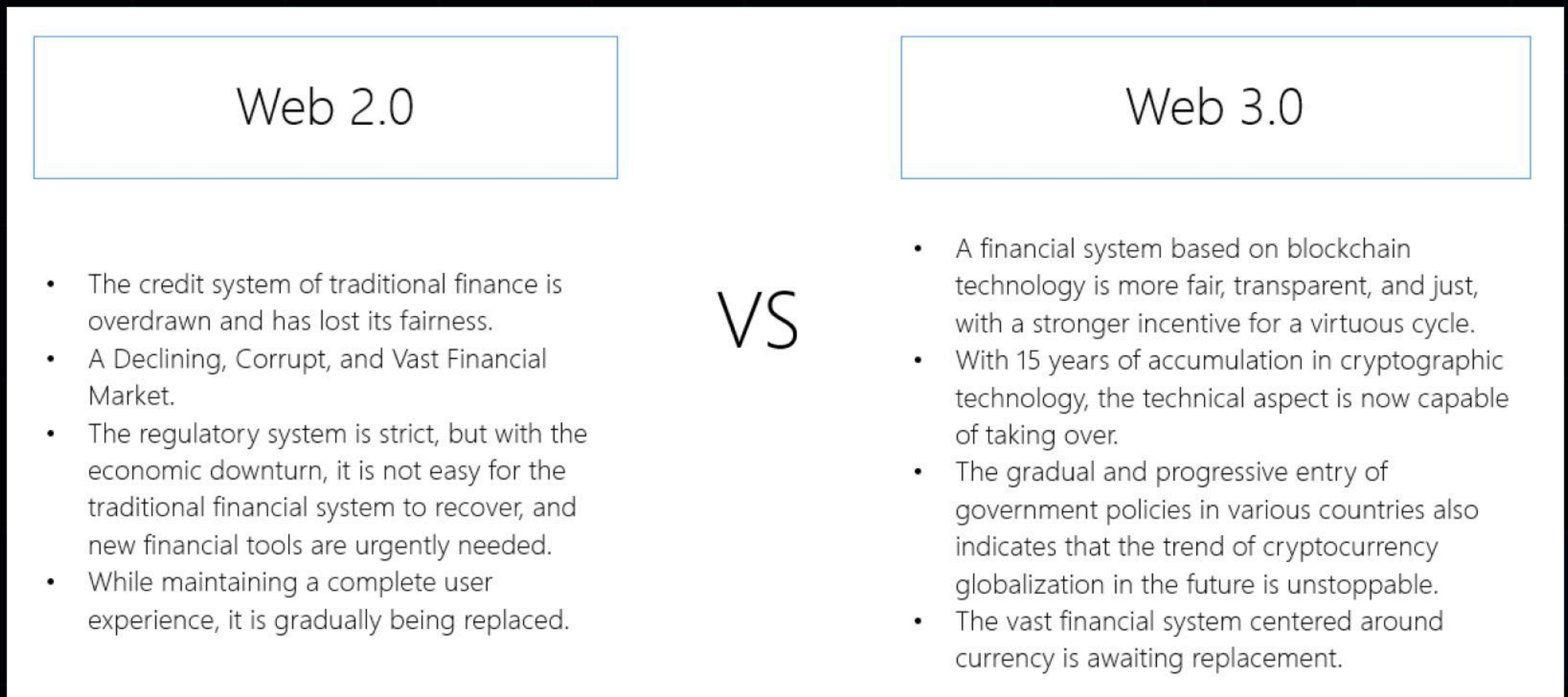## 1.3.1 Restoring Data Sovereignty to Users

Web3, built on blockchain technology, uses decentralized identities (DID), encrypted storage, and other mechanisms to let users truly own and control their data. User identities, social relationships, and content assets can all be encrypted on-chain, inaccessible or non-transferable without permission. This sovereignty-centric model prevents centralized platforms from abusing data and frees users from risks of "account disappearance" or "data lock-in."

1.3.2 Reconstructing the Content Value Chain

Web3 establishes an incentive system that treats content as an asset. Content can be confirmed as NFTs or transacted/tipped in token form, allowing creators to form direct value connections with fans without platform cuts. Incentive rules executed transparently via smart contracts mean actions like likes, shares, and comments can be quantified into economic rewards, creating a truly creator-centric closed value loop.

1.3.3 Community Co-Governance and Self-Evolving Rules

The DAO (Decentralized Autonomous Organization) mechanism enables users to participate in platform rule-making and resource allocation. Unlike Web2's "one-man rule," Web3 social platforms achieve genuine community co-governance. Users are no longer merely content consumers or tool users, but participants and governors of platform development.

Web 2.0		Web 3.0
• The credit system of traditional finance is overdrawn and has lost its fairness. • A Declining, Corrupt, and Vast Financial Market. • The regulatory system is strict, but with the economic downturn, it is not easy for the traditional financial system to recover, and new financial tools are urgently needed. • While maintaining a complete user experience, it is gradually being replaced.	VS	• A financial system based on blockchain technology is more fair, transparent, and just, with a stronger incentive for a virtuous cycle. • With 15 years of accumulation in cryptographic technology, the technical aspect is now capable of taking over. • The gradual and progressive entry of government policies in various countries also indicates that the trend of cryptocurrency globalization in the future is unstoppable. • The vast financial system centered around currency is awaiting replacement.

1.3.4 ITRIX's Differentiated Positioning

Among the many Web3 social endeavors, ITRIX distinguishes itself by using an "AI-driven digital avatar" as its entry point, building multi-dimensional interactive relationships between humans and AI, between users, and even between AIs. This creates a deep connection experience and sustained content production capability that set it apart from traditional platforms.

▎1.4 Realistic Bottlenecks of Web3 Social

Despite the theoretical advantages of Web3 social, its development is still in early stages and faces several key challenges:

1.4.1 High Barrier to Entry and Poor User Experience

Currently, most Web3 applications require users to set up crypto wallets and manage private keys—actions extremely unfriendly to the average user. In addition, on-chain operations are slow to respond and incur high fees. The user experience cannot yet rival Web2, posing a major barrier to mainstream adoption.

1.4.2 Network Effects Not Yet Established

The core value of a social platform depends on user activity and the content ecosystem. Web3 social currently has a small user base and scarce content, making the cold start very difficult. Network effects have yet to materialize at scale.

1.4.3 Gaps in Content Governance and Compliance

Decentralization lowers the bar for content publication but also brings risks of misinformation and inappropriate speech. Lacking effective governance can harm platform reputation and long-term growth. Establishing content management mechanisms based on community self-governance and AI-assisted moderation is a challenge that must be addressed in the future.

1.4.4 Technical Maturity and Security Risks

Issues like limited blockchain scalability, insufficient interaction performance, and poor cross-chain compatibility still constrain the expansion of Web3 social products. Meanwhile, frequent incidents such as smart contract vulnerabilities and asset losses further deepen user distrust.

1.4.5 Limited Market Awareness and High Trust Costs

The general public still faces a learning curve with Web3, and lingering impressions of past speculative projects have not faded, reinforcing an external perception of "hype" or bubbles. Breaking cognitive barriers will require mature product experiences and steady long-term operations to gradually build trust.

1.5 AI Empowering Social Networking

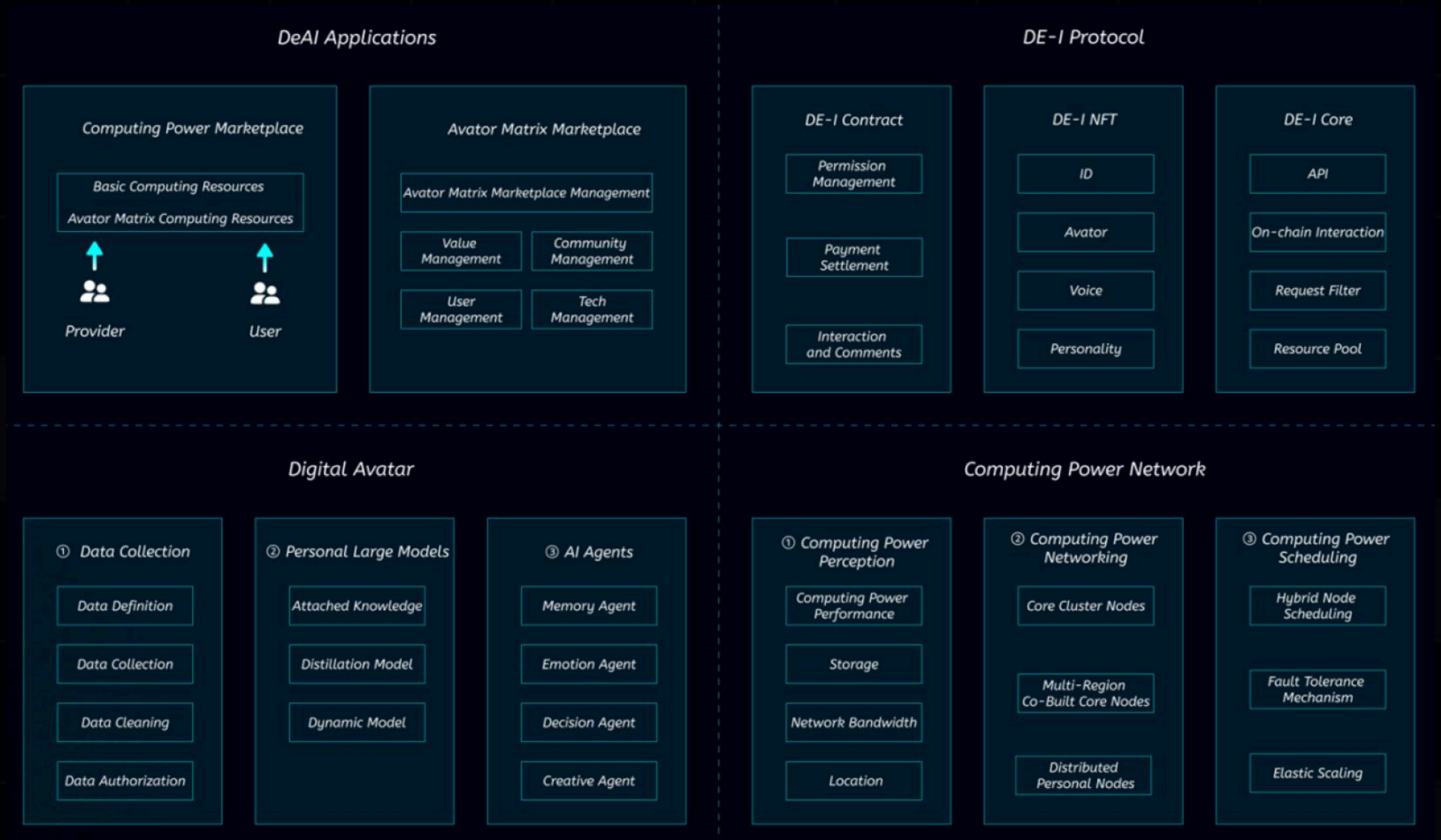### 1.5.1 AIGC Unlocks Content Creation Dividends

Generative AI (AIGC) has become an important engine for social content production. AI can rapidly generate high-quality text, images, and videos, dramatically lowering creation barriers and stimulating users' desire to express themselves.

1.5.2 AI Social Companions: Personalization with Presence

AI is no longer just a tool—it's becoming a companion to users. AI virtual personas can engage in real-time interactions with users, respond to emotions, generate conversations, and even serve as a "digital companion." ITRIX's "digital avatar" feature is at the forefront of this evolution: it serves both as an identity carrier and an intelligent social assistant.

1.5.3 New Breakthroughs in Multi-Modal Immersive Experiences

By integrating voice, imagery, emotion recognition, and AR/VR technologies, AI is driving social networking towards more visual and immersive experiences. In the future on ITRIX, users will be able to leverage digital avatars for cross-platform, multi-scenario, multi-modal interactions, establishing an entirely new social experience paradigm.

DeAI Applications

Computing Power Marketplace

Basic Computing Resources

Avator Matrix Computing Resources

Provider | User

Avator Matrix Marketplace

Avator Matrix Marketplace Management

| Value Management | Community Management |
| User Management | Tech Management |

DE-I Protocol

DE-I Contract
- Permission Management
- Payment Settlement
- Interaction and Comments

DE-I NFT
- ID
- Avator
- Voice
- Personality

DE-I Core
- API
- On-chain Interaction
- Request Filter
- Resource Pool

Digital Avatar

① Data Collection
- Data Definition
- Data Collection
- Data Cleaning
- Data Authorization

② Personal Large Models
- Attached Knowledge
- Distillation Model
- Dynamic Model

③ AI Agents
- Memory Agent
- Emotion Agent
- Decision Agent
- Creative Agent

Computing Power Network

① Computing Power Perception
- Computing Power Performance
- Storage
- Network Bandwidth
- Location

② Computing Power Networking
- Core Cluster Nodes
- Multi-Region Co-Built Core Nodes
- Distributed Personal Nodes

③ Computing Power Scheduling
- Hybrid Node Scheduling
- Fault Tolerance Mechanism
- Elastic Scaling

1.6 Web3 + AI: Integrated Evolution

The combination of Web3 and AI is not a simple stacking of technologies, but a deep integration of productive relationships and productive forces:

AI provides efficiency and intelligent expression, solving problems like "difficult content creation" and "communication fatigue."

Web3 provides rights confirmation and fair incentives, solving issues of "weak user rights" and "opaque rules."

This combination makes "co-creation between humans and AI" and "co-governance among community members" possible, transforming social platforms from mere content carriers into "value networks" and "relationship autonomies."

6.96%

Developed Market

93.04%

Undeveloped Market

$1,000,000,000,000
one trillion dollars

AI Market Size in 2030

II. ITRIX Social Media Platform

2.1 Platform Overview

ITRIX is an AI-driven Web3.0 social media platform dedicated to building an open social ecosystem that is user-governed, intelligent, and value co-creative. Centered on the concept of "digital avatars," the platform gives users a brand-new social identity and capabilities, overcoming the limitations of traditional Web2 platforms in terms of data monopoly, constrained identities, and single-form interactions.

At the same time, ITRIX is keenly aware of the challenges of Web3 social. By adopting a combined approach of FRONT-END AI EXPERIENCE + BACK-END WEB3 MECHANISMS, ITRIX uses AI to lower usage barriers and Web3 to strengthen user rights, achieving a dual closed-loop of USER EXPERIENCE AND USER TRUST.

In the ITRIX platform model, AI is not only involved in content generation but also acts as the agent and assistant of the user's digital identity. Web3, in turn, uses decentralization to guarantee each user's data sovereignty and asset rights. Under this dual-tech-driven new social platform, we transcend the paradigm of a traditional "social tool" and move towards an integrated ecosystem of SELF-EXPRESSION + VALUE CREATION + COMMUNITY CO-GOVERNANCE.

ITRIX is both an intelligent social application and an open protocol suite, allowing developers to build diverse social scenarios on its technology. By using a decentralized architecture to realize user data ownership and asset autonomy, and employing AI to reinvent content generation and interaction methods, ITRIX is defining an entirely new social paradigm: a social network that is user-centric, AI-empowered, and blockchain-trusted.

2.2 Brand Connotation

The brand name ITRIX is a fusion of INTELLIGENT and MATRIX, reflecting the platform's commitment to creating a highly intelligent and decentralized new social ecosystem matrix:

Intelligent (Empowerment through AI)

ITRIX deeply integrates cutting-edge artificial intelligence, giving users a novel digital social experience. With advanced AI-driven tech, users can create and activate their own digital avatars, transcending the spatial and temporal limits of traditional social networking to achieve personalized expression and efficient connections anytime, anywhere. The platform uses AI for intelligent content creation, personalized interaction recommendations, and intelligent risk monitoring, comprehensively enhancing the efficiency, engagement, and safety of social interactions.

Matrix (Multi-Dimensional Social Matrix)

ITRIX is not just a single social platform, but a decentralized, multi-dimensional social matrix. Powered by blockchain, it employs decentralized identity (DID), distributed data storage, and trustworthy on-chain social relationships to connect multi-dimensional networks between people and people, people and AI, and people and content, forming a rich and infinitely extensible social ecosystem matrix. In this matrix, each user is an autonomous node with full individual sovereignty and data ownership, free to transcend traditional social boundaries and interact with any other node in the ecosystem—creating a self-organizing, vibrant social environment.

Our brand slogan is "REAL-TIME INFLUENCE, ANYWHERE, ANYTIME", meaning that through digital avatars, individuals' multi-dimensional social potential can be activated at all times and places. In visual design, ITRIX balances technological rationality with human warmth. The logo is composed of connected nodes and a humanoid figure, representing the broad connections between people and people, and people and AI.
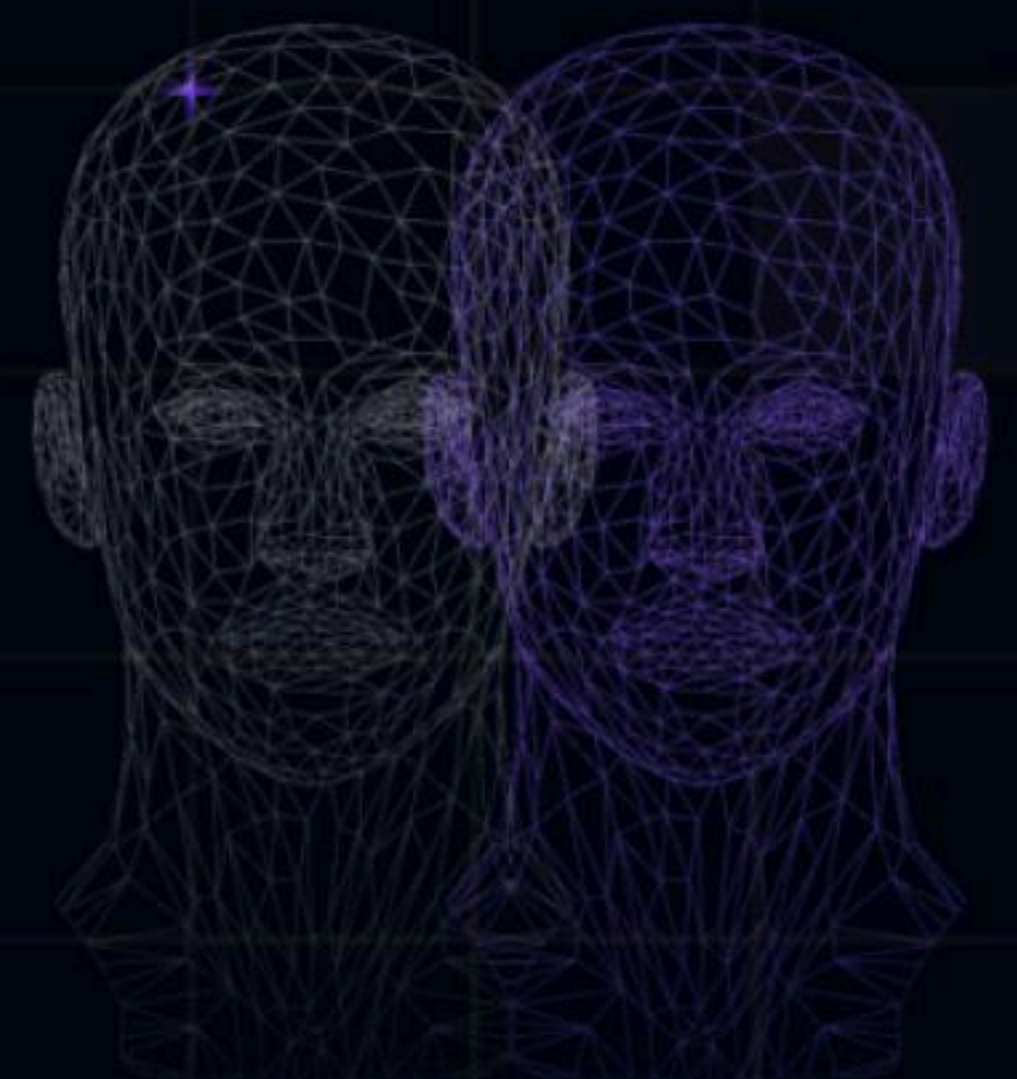
▌ 2.3 Core Functions

2.3.1 Digital Avatar System

ITRIX provides every user with a customizable, evolving AI-driven "digital avatar." This system combines natural language processing, image generation, and voice cloning technologies to make the avatar's appearance, personality, and expression closely match the user's characteristics.
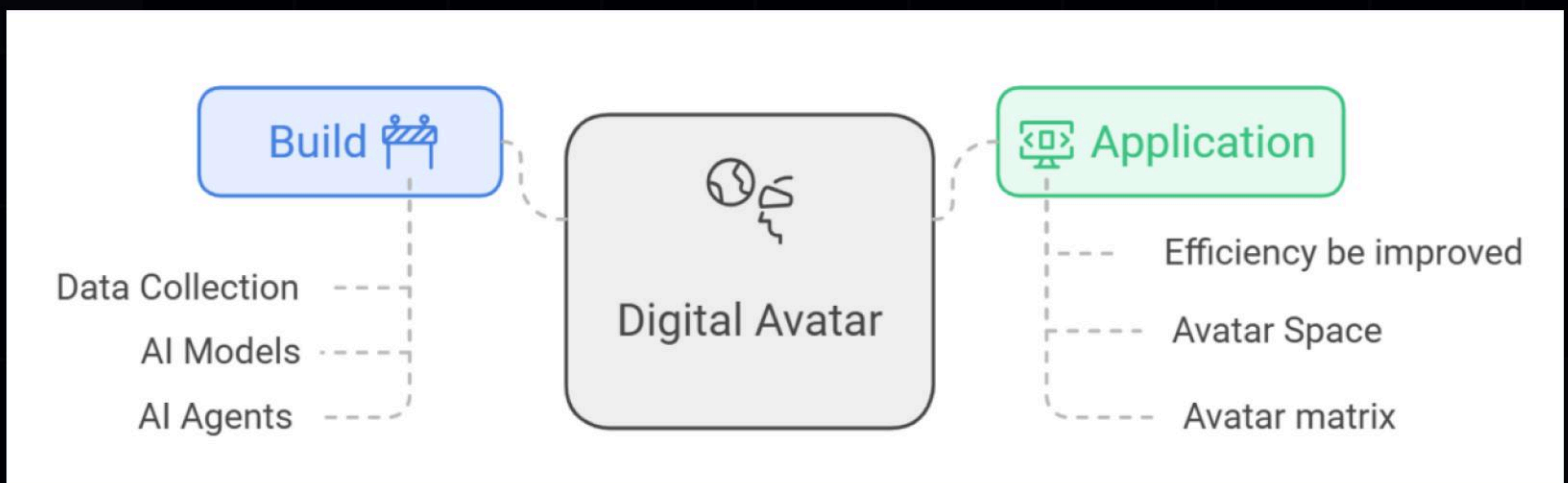
Creation Mechanism:

Users can upload their historical social content and preferences to train a personalized model.

Custom Configuration:

Supports customizing the avatar's appearance, tone of voice, and behavior style.

Continuous Training:

Through ongoing interactive feedback, the avatar's behavior model is continuously optimized.

2.3.2 Multi-Modal Social Interaction

ITRIX enables a progression of interaction modes from text to voice to video:

Text Interaction: Includes posting updates and private messaging, with support for the avatar to post and interact on the user's behalf.

Voice Interaction: The avatar has voice synthesis capabilities and can join voice chats or calls.

Video Interaction: Via AI-powered video avatars, users can participate in short video creation and live streaming.

This multi-modal path not only enhances immersive interaction but also achieves efficient coordination of AI capabilities across different media.

2.3.3 Intelligent Content Creation Tools

The platform comes with a complete built-in AIGC toolchain, covering everything from text writing to multimedia editing, lowering the barrier to participation and making "everyone a creator" a reality:

Text Composition:

Automatic drafting, polishing, extension, and bulk generation of copy.

Image/Video Generation & Editing:

AI identifies highlight clips from raw footage, auto-generates subtitles and music, and produces short videos.

NarratoAI Module:

Supports "one-click script generation + automatic voice-over + video synthesis," suitable for personal content creation and marketing needs.

2.4 Team Composition

The ITRIX team is composed of top talents from artificial intelligence, blockchain, social products, and other fields, combining cross-disciplinary expertise with strong product implementation capabilities.

Co-Founder & CEO — Jem

Graduated from the University of California with a major in Computer Science, Jem previously worked in Facebook's advertising and traffic operations department, specializing in global traffic distribution and market operations. He has extensive experience in user growth and commercialization. Later, he founded and managed a well-known public relations company in Singapore, focusing on brand marketing and international promotion. He now leads ITRIX's strategic planning and global ecosystem development, committed to building the next-generation decentralized social platform through AI + Web3 integration.

Lucas Teo（CTO）

Professor at IAT-NUS AI Laboratory, Sophia has been involved in Solana VM optimization and DePIN solutions and is an expert in combining AI algorithms with large models. As CTO of the ITRIX Foundation, she leads a team of doctoral students at the lab, jointly undertaking the R&D of ITRIX's core AI algorithms and driving the platform's continuous technological leadership in AI avatars, AI-generated content, and interactive experiences.

Anita Torres（COO）

Former Head of Operations for Twitter Asia Pacific, Maria has a deep understanding of global social media strategies and user operation logic. At the ITRIX Foundation, she is responsible for building the global community ecosystem, focusing on user growth, partner expansion, and regional operations, aiming to establish a highly active and sticky global user network across diverse markets.

Alan Reeves（CFO）

Former Financial and Token Economics Expert at the Solana Foundation, Alan was responsible for designing and operating Solana's official payment system and was deeply involved in global financial management and asset allocation. He has extensive practical experience in ensuring fund security, compliant operations, and sustainable tokenomics. At ITRIX, he is fully responsible for the overall planning and efficient management of the IAT Foundation and ITRIX platform assets, focusing on fund security, liquidity management, sustainable returns, and ecosystem value loop design.

In addition, ITRIX has brought in consultants specializing in privacy law, security auditing, and token economics to ensure the platform's technological sustainability and compliant operations.

2.5 Platform Vision

2.5.1 Leader in Social Reconstruction

ITRIX aims to become a technological and application benchmark in the Web3 social space. Its underlying protocols and avatar system will eventually be opened to developers, driving prosperity across the entire Web3 social track.

2.5.2 Data Sovereignty and Autonomous Governance

Through a DAO governance mechanism, ITRIX will ultimately let the community lead product iterations, fund allocations, and content policies. We encourage users to evolve from supporters into co-builders, truly owning their platform.

2.5.3 AI Avatars for Everyone

AI digital avatars will become users' "second persona" in virtual worlds, not limited to the ITRIX platform but acting as identity agents extending to various social, entertainment, and work scenarios.

2.5.4 Creative Incentives and Token Economy

The platform rewards content value and contribution directly through a token incentive mechanism. Our goal is to establish a sustainable "social = value" system, rather than a speculation-driven short-term economic model.

2.5.5 Building an Open Social Ecosystem

By providing APIs and SDKs, ITRIX encourages developers to create all kinds of Web3 social applications and form symbiotic partnerships with the platform ecosystem. The ITX token will serve as a foundational credential shared across applications, driving integrated ecosystem development.

2.5.6 A Social Hub Toward the Metaverse

In the future, ITRIX digital avatars will connect to metaverses and VR/AR spaces as users' virtual agents in education, entertainment, work, and other scenarios—truly achieving cross-platform, cross-domain digital presence

III. ITRIX System Design Principles

As a new generation Web3 social system that integrates decentralized technology with AI capabilities, ITRIX's overall architecture is guided by systematic principles, aiming for sustainable platform development, user sovereignty protection, and collaborative ecosystem co-building. We have established a decentralized aggregation platform, adopted an open architecture to foster ecosystem integration, and embraced an application-oriented co-construction model—striking an optimal balance between technological rationality and community consensus.

3.1 Decentralized Aggregation Platform

ITRIX is committed to deploying core social elements—data storage, identity management, content distribution, etc.—on blockchain and decentralized nodes, ensuring user data sovereignty and long-term accessibility.

3.1.1 Distributed Storage Ensuring Data Independence

Content that users publish on the ITRIX platform is stored in a distributed manner via a decentralized network, with content hashes and metadata written to the blockchain for attestation. Even if ITRIX's official service were to cease or migrate, users' data and content would remain fully and permanently accessible. This design is inherently censorship-resistant and highly sustainable.

3.1.2 Aggregating Diverse Social Modules

Despite leveraging decentralized, distributed backend architecture, ITRIX is dedicated to providing a unified application entry point at the user experience layer. The platform integrates various social modules—including decentralized identity (DID), social graph, content distribution, instant messaging, and payments—so that users do not need to constantly switch tools or platforms. They can enjoy a convenient, efficient one-stop social experience.

3.2 Open Architecture

Open architecture is crucial for ITRIX to achieve ecosystem synergy and iterative evolution. This openness is embodied in fully open data and protocols, standardized interface design, and open-source transparency of core systems and governance.

3.2.1 Fully Open Data and Protocols

ITRIX has built a completely open social protocol system. Key data structures such as user profiles, posts, comments, and relationship networks are all recorded on-chain and accessible via open APIs. Third-party developers can, with user permission, freely integrate or reconstruct front-ends, maximizing the composability advantages of Web3 data and driving diverse innovations in the ecosystem.

3.2.2 Modular Interface Design

Each subsystem of the platform is encapsulated with standardized APIs—including the decentralized identity system, AI service modules, content storage, payment engine, etc.—supporting flexible third-party replacements and plug-in integration. ITRIX encourages a "Lego-style" system construction, allowing ecosystem participants to flexibly customize functional combinations according to their scenario needs.

3.2.3 Open Source Code and Transparent Governance

ITRIX will gradually open source core code such as smart contracts and AI models, and welcomes community auditing and feedback. Simultaneously, the platform introduces DAO community governance to increase transparency and build trust. We recognize that the official team alone cannot meet all diverse needs—only openness can lead to collective prosperity of the ecosystem.

3.3 User Sovereignty and Data Perpetuity

ITRIX deeply leverages Solana's technological advantages and adopts a "Solana-Native First" strategy in its architecture design, ensuring users fully control their identity, social relations, and content data. Even if the protocol stops operating, user data remains permanently accessible.

3.3.1 Solana-Native First Architecture

Design Goal: Maximize use of Solana's low cost, high throughput, and high performance, while ensuring cross-chain compatibility for critical components, to provide an excellent developer experience.

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Design Goal: Maximize use of Solana's low cost, high throughput, and high performance, while ensuring cross-chain compatibility for critical components, to provide an excellent developer experience.

Technical Implementation (Underlying Infrastructure)

TRANSACTION PROCESSING: Built on the Solana Virtual Machine (SVM) and Sealevel parallel execution framework, delivering outstanding performance and supporting 2000+ social interaction transactions per second (e.g., likes, comments).

DATA STORAGE: User content is stored permanently on Arweave via the Bundlr Network with SOL payments, reducing costs by ~90% compared to Ethereum-based solutions. Metadata is anchored to Solana mainnet accounts (SPL Accounts), with content hash state updates in under 0.5 seconds, significantly improving real-time performance.

CENSORSHIP RESISTANCE (LEVERAGING SOLANA FEATURES): Integrated Solana validator node QUIC protocol to replace traditional libp2p for decentralized content propagation, directly interfacing with the Solana validator network. Using a Geyser plugin to listen to on-chain social events in real time, we built an efficient decentralized indexer.

CROSS-CHAIN COMPATIBILITY: (Future-proofing slots reserved; currently focusing on Solana first.)

(Technical comparison snapshot:)

Functional Module	Solana-Native Solution	Advantage Over Alternatives
Identity Auth	Solana DID (SIP-99 standard)	Lower gas fees, supports mobile biometrics
Social Asset Issuance	Token-2022 + Compressed NFTs	~90% storage cost reduction (~0.001 SOL/account)
Payment Channels	Solana's ERC-4337 account abstraction + SPL streaming payments	Supports real-time micropayments (e.g., tipping), greatly improving UX

3.3.2 Data Storage Solution and Technical Implementation

Design Goal: Ensure users have complete control of identity, social relationships, and content such that even if the protocol stops, their data remains accessible forever.

Data Storage Scheme:

Data Type	Solana-Native Solution	Advantage over Cross-Chain Solutions
User Content	Arweave via Bundlr (paid in SOL)	~90% cost reduction vs. Ethereum+Arweave
Social Graph	Shadow Drive (Solana native decentralized storage)	No IPFS bridges needed; uses SOL for storage rent
Metadata Anchor	Solana mainnet account (SPL Account)	State update ~50x faster than Ethereum, enabling real-time social interactions

Technical Implementation:

Decentralized Storage Layer: User-generated content (text, media) is permanently saved via Shadow Drive (Solana's native storage) or Arweave, with hashes anchored on Solana mainnet to achieve data perpetuity.

Data Recovery: Integrated threshold cryptography (TSS) via the Lit Protocol, allowing users to securely recover private keys through their social relationship network.

On-Chain Social Graph Optimization: Utilized a SeaLevel-ORM framework to efficiently handle the on-chain social graph. This reduces query latency from about 2 seconds on Ethereum-based platforms (like CyberConnect) to under 200 milliseconds, a significant performance boost for a smoother and more efficient social interaction experience.

3.4 Application-Oriented Ecosystem Co-Construction

Traditional Internet companies often develop products behind closed doors. In contrast, ITRIX was conceived as an ecosystem from the start, pursuing co-construction with the community and partners. This strategy not only keeps the platform closely aligned with real user needs but also ensures long-term vitality.

3.4.1 Value-Driven Application Development

We develop core features like the "digital avatar" based on strong user demand for AI-assisted social experiences. Mechanisms like tipping incentives and content monetization stem from creators' calls for fair compensation. ITRIX's development is guided by actual application value rather than piling up concepts for show.

3.4.2 Third-Party Service Integration Incentives

The platform offers external developers traffic exposure, token rewards, and revenue-sharing policies to encourage building decentralized mini-games, creative tools, social plug-ins, etc. In the future, these services will compose a "super-app ecosystem" on ITRIX.

3.4.3 IP Co-Creation and Prosperous Content Ecosystem

We actively collaborate with well-known IPs and creators to launch co-branded avatars, virtual idols, and other exclusive content, injecting vitality into the platform. User communities can also participate in content co-creation, such as community contests or virtual scene design, sharing in the traffic and rewards.

3.4.4 Community Governance and Shared Responsibility

ITRIX gradually delegates powers like content moderation and guild management to the community, using the DAO to establish community guidelines and fair arbitration. The governance mechanism operates via community proposals, votes, and execution, enhancing user engagement and sense of ownership of the platform.

In this ecosystem, multiple participants—ordinary users, content creators, developers, brands, etc.— each contribute their strengths and derive their own benefits, forming positive feedback through value exchange. We will continue to refine ecosystem incentive mechanisms to ensure CO-BUILDERS SHARE IN THE RESULTS, building ITRIX into an ideal Web3 social utopia.

I IV. Technical Highlights

In building a Web3 social ecosystem, ITRIX has focused on the core pillars of decentralization, intelligence, security, and sustainability. By fusing blockchain and AI technologies, we have developed a technical system that is ahead of the industry. The platform has tackled six key technical challenges:

I 4.1 Revolutionary Decentralized Operating Architecture

From the ground up, ITRIX is designed to eliminate reliance on centralized infrastructure. It employs an innovative distributed operating mechanism to decouple the platform from the content, ensuring "THE PLATFORM CAN VANISH, BUT DATA LIVES ON." This architecture gives ITRIX anti-censorship and anti-downtime capabilities, with platform services no longer dependent on any single party—truly embodying the spirit of decentralization:

4.1.1 DID Identity System

Based on Solana's native DID standard (SIP-99), users do not need a phone number or email to register. A Solana wallet address is sufficient to bind and verify identity, cutting costs by ~90% compared to Ethereum's ERC-725 solution, while seamlessly integrating with the entire Solana ecosystem. Users have complete control over their identity data— the platform cannot freeze or delete accounts.

4.1.2 Distributed Content Storage and On-Chain Anchoring

ITRIX uses a dual-layer content storage design (on-chain + off-chain). Key metadata and interaction records are stored at low cost in Solana accounts, while large data files are stored via a hybrid network of Shadow Drive and Arweave, achieving distributed storage at only ~25% the cost of traditional IPFS solutions. The storage module is "protocol-agnostic," with interfaces reserved for IPFS, Arweave, Storj, etc., allowing seamless switching of storage solutions in the future.

4.1.3 On-Chain Social Graph

User actions like follows, likes, and posts are recorded in a high-performance social graph protocol (SeaLevelGraphDB), supporting tens of thousands of social record updates per second. Response speed is 15× faster than The Graph on Ethereum, effectively resolving the performance bottleneck of Web3 social networks.

4.1.4 End-to-End Encrypted Instant Messaging

Chat messages are transmitted peer-to-peer with end-to-end encryption using the Solana Mobile Stack secure channel, keeping latency under 200 ms. Each message's hash is anchored on-chain at minimal cost, satisfying both privacy and auditability.

4.1.5 Decentralized AI Computing Network

Leveraging Solana's upcoming Firedancer validator network and the BPF virtual machine, ITRIX enables decentralized AI model inference and training tasks distributed across the network. This cuts costs by two orders of magnitude compared to Ethereum's ZK-based approaches and avoids creating new centralized tech monopolies.

4.2 Innovative On-Chain Value Incentive Mechanism

ITRIX deeply integrates token economics with social behaviors, using a fair and transparent on-chain incentive system to stimulate active user participation:

4.2.1 Social-to-Earn Incentives

Social activities such as content creation, sharing, and engagement are directly tied to token rewards. Through transparent smart contracts, user actions (posting, liking, commenting, etc.) can earn ITX tokens, ensuring creators and active participants are fairly rewarded for their contributions.

4.2.2 On-Chain Gift and Tipping System

Using Solana's SPL Token-2022 standard and Streamflow streaming payment, ITRIX achieves a high-throughput gifting scenario (up to 5,000 TPS) with full transparency and interactivity. Tips are settled on-chain in real time, generating compressed NFT (cNFT) digital receipts at extremely low cost (~$0.0001). The platform takes no cut, and cross-chain asset support is pre-integrated—via the LayerZero protocol, gifts/tips can eventually be interoperable with assets from 20+ major chains.

4.2.3 Dynamic Pricing and Paid Subscription

By leveraging Realms DAO tooling and the Clockwork automation framework, ITRIX implements flexible subscription and payment logic. This capability helps creators establish closed-loop fan economies through dynamic pricing for content and subscription services.

4.3 Comprehensive Security Protection System

ITRIX's security design systematically covers identity, data, smart contracts, and AI, ensuring user asset safety and stable system operation:

4.3.1 Identity Security

Supports Solana Mobile biometric wallet, multi-sig social recovery (via Squads integration), and hardware wallet access—reducing private key loss risk by 72%. The identity recovery module uses a pluggable multi-sig algorithm under the hood and is compatible with Ethereum's Safe and Cosmos multisig solutions, with minimal migration cost.

4.3.2 Data Privacy Protection

For everyday transactions, ITRIX integrates Light Protocol for privacy protection; for compliance scenarios, it incorporates Elusiv zero-knowledge proof technology—balancing privacy with regulatory needs. The privacy framework is also compatible with alternatives like Tornado Cash and Aztec for cross-chain flexibility, allowing hot-swapping of privacy solutions as needed.

4.3.3 Smart Contract Security

Built on the Anchor framework, our smart contracts undergo automated vulnerability scanning covering 60%+ of common issues. In addition, a real-time monitoring system via SolanaFM is employed to detect abnormal on-chain transactions, safeguarding against potential attacks or anomalies.

4.3.4 AI Content Security

All AI-generated content is embedded with a cNFT digital watermark and stored permanently on-chain, providing an immutable chain of custody for content authenticity. This ensures that provenance and alterations (if any) are transparently traceable, offering strong content integrity guarantees.

4.4 High-Performance Layered Data Architecture

To balance decentralized trust, efficient access, and AI intelligent processing, ITRIX has built a multi-tier data architecture:

ON-CHAIN LAYER: Solana accounts store core identity, content IDs (CIDs), and trust data. A dynamic Program Derived Address (PDA) mechanism enables global state sync in under 300 ms.

DISTRIBUTED STORAGE LAYER: Shadow Drive sharding provides global CDN-style acceleration with data fetch latency under 1 second, and Arweave serves as permanent cold backup.

INDEX & CACHE LAYER: A custom-optimized Solana RPC solution with Jito MEV protection handles tens of millions of data queries with under 500 ms response time.

AI COMPUTING LAYER: Training tasks run on idle compute from Firedancer validator nodes, delivering 10× the compute performance of equivalent-cost AWS EC2 instances.

4.5 Distributed Trust and Governance Framework

ITRIX has established a DAO-centric governance mechanism to ensure transparent platform operation at the institutional level. The platform uses code to guarantee trust and consensus to establish rules, making users true builders and governors.

TRUST MECHANISM: Builds a de-platformed trust network through on-chain signatures, proof-of-behavior, and on-chain certificates.

DAO GOVERNANCE: Key platform parameters and resource allocations are decided by ITX DAO voting, with the core team gradually stepping back from frontline management.

MULTI-TIER GOVERNANCE STRUCTURE: Specialized committees (technical, content, financial, etc.) are set up to review proposals in different domains, improving governance efficiency.

4.6 Social Value Quantification System

To convert user behavior into economic value and governance weight, ITRIX introduces a dual-track social value system. This system transforms "genuine interaction and quality creation" into measurable asset value, creating a virtuous cycle of social contribution unique to ITRIX:

TOKEN INCENTIVES: Users receive ITX token rewards for actions like posting content, commenting, interacting, and participating in governance.

REPUTATION POINTS: User contribution activities (such as quality content creation, community moderation, content review) accumulate reputation values and earn honor badges.

GOVERNANCE PARTICIPATION: Reputation points confer real influence in DAO governance—affecting voting weight, proposal rights, and airdrop allocations—guiding the community's positive evolution.

V. Digital Avatar System and Functional Modules

In an era of increasingly frequent content creation and interaction, ITRIX combin

es cutting-edge AI with Web3 mechanisms to create a **"DIGITAL AVATAR SYSTEM"** tailored for celebrities, KOLs, and independent creators. This system is not only a suite of integrated features but also a completely new mode of expression and an extension of one's identity. Digital avatars allow creators to interact frequently with fans and automate content creation without appearing in person, all while building a sustainable fan economy loop.

ITRIX's digital avatar system is more than an AI-powered content tool—it's a force multiplier that helps creators overcome limitations of time, effort, and geography. It gives celebrities, KOLs, and independent creators a smart avatar network that can "show up for you, speak for you, and create for you," so your digital persona is always online and your value is amplified.

In this ecosystem, a digital avatar is not just a technical product but an extension of personal capability; it is the user's AI representative and a core pillar of their digital asset and IP strategy. We firmly believe AI will not replace creators, but instead help each creator practice "the art of being in multiple places at once," harnessing greater influence and commercial potential in the new era.

5.1 System Architecture and AI Model Design

Multi-Modal Perception and Modeling in Harmony

ITRIX's digital avatar system is composed of four core layers:

PERCEPTION LAYER: Collects user data—text, voice, images, and behavioral data—for personality modeling. Users can upload content themselves or authorize the import of data from platforms like Weibo, Bilibili, podcasts, etc., to build a sufficiently diverse corpus.

MODELING LAYER: Combines three main models (a persona language model, voice cloning model, and avatar visual model). Through few-shot learning, it quickly fits the user's language style, voice print, and appearance characteristics.

APPLICATION LAYER: Orchestrates and integrates the functions of each model for concrete avatar capabilities such as text generation, voice calls, video synthesis, community interaction, etc.

FEEDBACK LAYER: Allows users to modify or correct the avatar's behavior in real time. The AI continually learns user preferences, gradually aligning closer to the real user's thinking patterns, achieving human-AI co-training.

5.2 Virtual Avatar Cloning Module

From "just a voice" to "on-camera": a truly lifelike reproduction

A digital avatar must **"LOOK LIKE YOU," "SOUND LIKE YOU,"** and **"ACT LIKE YOU."** ITRIX provides customized cloning in three aspects—appearance, voice, and motion:

APPEARANCE CLONING: Generate a high-fidelity avatar from a single photo. Style is customizable (realistic, anime, IP-themed), with an option for slight "beautification" to enhance social appeal.

VOICE CLONING: Produce a personalized TTS voice. Supports multiple languages and emotional tones. The system's default tone is based on the user's past voice patterns and achieves over 90% similarity.

MOTION DRIVING: Using advanced character motion capture models to achieve lip-sync, synchronized facial expressions, and mimicked gesture styles, allowing the avatar to "move and perform" convincingly in video.

5.3 Intelligent Creation and Editing Tools

High-efficiency generation, high-quality expression

ITRIX comes with built-in AI creation tools focused on solving creators' "output anxiety" and "interaction bottlenecks":

PERSONALIZED COPY GENERATION: Automatically generates social posts, community announcements, or blog drafts based on the user's schedule, trending topics, or fan comments, with tone and style closely matching the user's own.

CONVERSATIONAL ASSISTANCE: Auto-generates personalized replies to fan DMs, comments, and tipping messages. Supports templates for common scenarios like greetings and event responses to streamline interactions.

INTELLIGENT EDITING & BROADCASTING: With one click, users can upload raw media to generate vlogs, audio podcasts, or short videos. The avatar can serve as a virtual host on camera, handling voice synthesis, adding subtitles, and suggesting background music.

ITRIX also puts a strong emphasis on AI output quality control, ensuring that generated content is tasteful, empathetic, and aligns with user intent. The system avoids low-level mistakes or ethical risks, so content remains high-quality and appropriate.

5.4 Three-Stage Interactive Evolution Path

From text assistance to immersive AI symbiosis

ITRIX categorizes avatar interactions into three progressive stages, gradually unlocking AI co-creation capabilities. Based on creators' usage patterns, ITRIX will intelligently recommend the most suitable interaction level and continuously optimize response efficiency and performance quality:

TEXT INTERACTION: The avatar can post updates, reply to private messages, and manage the user's account, operating 24/7. This ensures fans always feel the creator's "presence," even when the creator is offline.

VOICE INTERACTION: In scenarios like voice calls or chat rooms, the avatar uses the user's cloned voice to respond in real time, greatly enhancing emotional expression and the intimacy of the persona.

VIDEO INTERACTION: The avatar appears as a virtual human in live streams or recorded videos, truly becoming a "second self" of the creator – an embodiment of the creator's IP that can participate in events on their behalf.

5.5 Multi-Scenario Application Deployment

Building an AI asset matrix for content creators

ITRIX's digital avatar system can empower creators across a wide range of scenarios to achieve the trinity of "cost reduction, efficiency increase, and monetization":

FAN RELATIONSHIP MANAGEMENT: Use the avatar to maintain high-frequency engagement with fans without the creator having to be online in person. This increases fan retention and interaction frequency.

VIRTUAL PERSONA CONTENT IP: A single creator can develop multiple avatar accounts with different themes (e.g., a "foodie channel," "music channel," or "sci-fi writer" persona), thereby monetizing various interests and reaching different audiences through distinct personas.

BRAND COLLABORATION & VIRTUAL ENDORSEMENT: Creators can deploy avatars for brand endorsements, virtual live commerce, and fan Q&A sessions, effectively creating a dedicated digital brand ambassador or virtual customer service representative.

PAID SUBSCRIPTIONS & PERSONALIZED SERVICES: Offer fans premium interactions such as custom voice greetings, exclusive content unlocks, and other personalized services for a fee, thus opening additional long-term revenue streams.

COMMERCIAL EVENT PROXY & MULTI-VENUE PRESENCE: The avatar can appear simultaneously in multiple live rooms or community events, increasing exposure efficiency and freeing up the creator's time by handling appearances in parallel.

CROSS-PLATFORM INTEGRATION & REAL-WORLD FUSION: Through SDK/API integration, avatars can be brought into other platforms and devices. For example, an avatar could "manage" a Weibo account on the creator's behalf or answer fan questions via a smart speaker, building a **"DIGITAL IDENTITY ASSET"** that spans platforms.

VI. Token Economy Model

As a Web3 social platform, ITRIX introduces a native platform token ITX and builds a complete economic incentive system around it. This is designed to energize the ecosystem, promote user growth, empower content creators, and drive sustainable platform development. ITX is not only a vessel of value but also the key foundation for platform governance, service payments, and data circulation.

6.1 Token Distribution and Issuance Mechanism

Total Supply & Issuance Parameters:

Token Name: ITX

Total Supply: 1 billion tokens

Underlying Blockchain: Solana

Burn Mechanism: 25% of platform revenue will be used to continuously buy back and burn ITX until the total circulating supply is reduced to 10 million tokens, in order to achieve long-term scarcity and value support.

Distribution Structure:

Allocation	Percentage	Description of Use
Community Incentives	50%	Rewards for user activity, content creation, and promotional tasks.
Team & Advisors	15%	Incentives for core team members and strategic advisors, with long-term vesting schedules.
Investors & Fundraising	10%	Support for early investors and funding to build out the platform.
Ecosystem Development Fund	15%	To foster developer contributions and ecosystem project partnerships.
Liquidity Reserve	10%	Ensures sufficient market depth and stability for token trading.

6.2 Role and Value of the Platform Token

Core Functions of ITX:

Ecosystem Incentive Mechanism:

Incentivize content creation, technical contributions, active engagement, and community governance via token rewards, driving long-term platform vibrancy.

Data-Driven Intelligent Optimization:

Utilize user-platform interaction data to train AI models and continuously improve digital avatar intelligence and personalized experiences.

Value Distribution Mechanism:

Platform revenues are distributed via ITX to the community, developers, and partners, ensuring value allocation is transparent and fair.

User Growth Engine:

Task rewards and social sharing bonuses (referral rewards, etc.) accelerate viral user growth and platform expansion.

Closed-Loop Economic System:

Encourage the use of ITX in a wide array of scenarios both within and outside the platform, building a self-reinforcing economic cycle.

6.3 Multi-Role Usage Scenarios

6.3.1 Regular User Scenarios:

Membership Subscriptions & Interaction Unlocks: Use ITX to unlock premium features, such as exclusive interactions with celebrity avatars or access to special content sections.

Interaction Spending: Spend ITX on virtual gifts, event tickets, customized content, and other paid services on the platform.

Engagement Rewards: Earn ITX through active behaviors like liking, commenting, and daily check-ins, creating a "Social-to-Earn" experience loop.

6.3.2 Creator and KOL Scenarios:

Revenue Sharing: Earn ITX revenue shares from paid content, live commerce, avatar performances, etc., that you publish or host on the platform.

Referral Rewards: Receive additional ITX incentives for bringing your fan base onto the platform or promoting content that drives new user growth.

Governance Participation: By holding ITX, participate in feature proposals and votes on product direction, enabling creators to be part of platform co-governance.

6.3.3 Enterprise and Brand Scenarios:

Advertising Placement: Use ITX to pay for feed advertisements or avatar product placement promotions, enabling precise marketing campaigns.

Branded Avatar Customization: Pay in ITX to create a bespoke digital avatar for your brand, which can be used for customer service, events, marketing, etc.

Ecosystem Collaboration Payments: When partnering with ITRIX for ecosystem integration or services, enterprises use ITX as the settlement medium, forming an alliance economy.

6.3.4 Developer and Governance Scenarios:

Developer Incentives: By connecting plug-ins or contributing modules and toolkits, developers can earn ITX rewards for expanding the platform's functionality.

API Access Payments: Use ITX as the access credential for the platform's open APIs and technical resources, paying for calls or bandwidth.

DAO Governance Rights: ITX holders can vote on major platform matters, such as protocol upgrades or resource allocations, thereby realizing community co-governance.

6.4 Sustainable Economic Model Design

Inflation Control & Release Mechanism: Through phased token releases and task-driven distributions, ITRIX controls the annual ITX inflation rate—balancing the need to incentivize activity with the need to maintain token value stability.

Anti-Speculation Mechanisms: Measures like token lock-up periods, transaction delays, and on-chain behavior analytics are put in place to limit speculative trading, ensuring a stable and healthy ecosystem growth.

Revenue Recirculation Mechanism: Platform revenues from memberships, advertising, e-commerce, etc., are funneled back to buy back or burn ITX, creating a positive feedback loop that reinforces token value.

6.5 Outlook and Iteration

ITX is not just an incentive tool, but the economic engine of the ITRIX ecosystem. We will continuously monitor market feedback, technological progress, and regulatory trends to dynamically optimize the token model. In future iterations, we plan to publish a dedicated **"ITX ECONOMIC WHITEPAPER"** with detailed disclosures of parameters such as the inflation model and release schedule.

Our goal is to build an open, fair, and effective social token system where every user, creator, developer, and partner can achieve mutual success through value participation.

VII. ITX DAO

As a core component of the decentralized social platform, ITX DAO carries the weight of platform governance. It is dedicated to guiding ITRIX's evolution from being platform-led to being community-led, ultimately realizing the vision of "community-owned, community-governed." The establishment of the DAO is not only a practice of Web3 ethos but also a key mechanism to ensure transparency, fairness, and sustainability of the ecosystem.

In the future, ITRIX will not be just a product, but a social public domain built and governed collectively. ITX DAO will serve as the central engine of this public domain.

7.1 DAO Governance Foundation and Token Attributes

ITX is not only the platform's utility token but also the governance token of the DAO. Holding ITX gives users the rights to propose, vote, and participate in governance. The governance mechanism will integrate both token holdings and reputation points, ensuring that while financial stake is considered, long-term contributors also have significant weight. This reflects a governance philosophy of **"VALUING CONTRIBUTION AS WELL AS INVESTMENT."**

7.2 Governance Scope and Evolution Path

In the initial stages, ITX DAO will gradually take over the following key matters:

Economic Model Adjustments:

e.g. parameters like incentive rates, tipping revenue split, etc.

Ecosystem Fund Allocation:

approval of grant proposals to support developers, creators, or community projects.

Protocol Feature Governance:

decisions to add/remove new modules, plugins, or features.

Community Norms Setting:

establishing rules for content management, codes of conduct, and other community guidelines.

Node and Technical Roadmap:

determining the direction of underlying protocol development or technical migration plans.

As the DAO matures, its governance scope will broaden and evolve with the community's needs and capabilities.

7.3 Proposal Process and Organizational Structure

Proposal Process:

Eligibility Threshold: A user must hold a certain amount of ITX and have a sufficient reputation score to submit a proposal.

Discussion Stage: The proposal is posted to the DAO forum, where the community can discuss and suggest modifications.

On-Chain Voting: Proposals that gain preliminary support move to an on-chain vote, using multi-round or weighted voting mechanisms as appropriate.

Execution Stage: Approved proposals are executed either by a multi-signature committee or directly triggered via smart contracts.

Organizational Structure: ITRIX may establish specialized committees (e.g., technical committee, content moderation committee) under the DAO to review and implement proposals in their respective domains, improving governance efficiency while maintaining community oversight.

▎7.4 Governance Incentive Mechanism

To encourage active user participation in DAO governance, the platform will implement a clear incentive system:

Voting Rewards:

Users who participate in voting on proposals will receive a certain amount of ITX as a reward.

Proposal Incentives:

Users who participate in voting on proposals will receive a certain amount of ITX as a reward.

Community Task Alignment:

Roles like content moderators, guild leaders, and community maintainers are incentivized to engage in governance. These contributors can be granted governance privileges and rewards tied to their efforts.

In addition, tying into the social value measurement system mentioned in Section 4.6, DAO governance is deeply linked with user reputation. This ensures governance quality and instills a strong sense of responsibility among participants.

▎7.5 Governance Principles

ITX DAO will adhere to the following principles:

Open and Transparent: All proposals, votes, and outcomes are recorded on-chain and publicly auditable.

Fair and Equal: DAO rules apply equally to all users and team members with no special exceptions.

Flexible and Emergency-Ready: In cases of security risks or major emergencies, the community can authorize the core tech team to intervene temporarily; however, any such actions must be publicly recorded and subject to post-review.

Gradual Decentralization: The platform will gradually hand over control in stages. As the community grows more capable, the DAO's authority will correspondingly increase, and the core team will step back.

7.6 Governance Roadmap

Initial Phase (Beta):

Community consensus voting on content moderation and suggestions on platform parameters.

Growth Phase (User Expansion):

Management of the ecosystem fund, adjustments to incentive models, and governance of feature modules.

Maturity Phase (Full Launch):

Decision-making on protocol upgrades, economic model revisions, and moving towards full-stack decentralization of governance.

These stages align with the platform's overall development, ensuring that governance capabilities evolve in tandem with community maturity.

VIII. Development Roadmap

ITRIX's product development and ecosystem growth follow a clear milestone-driven roadmap, encompassing four major stages. From core technology R&D to market expansion, from product refinement to ecosystem openness, we are steadily progressing towards the grand goal of an **"AI-DRIVEN DECENTRALIZED SOCIAL NEW PARADIGM."** We follow a spiral evolutionary logic of **"CORE TECH → FEATURE DELIVERY → COMMUNITY ECOSYSTEM → AUTONOMOUS GOVERNANCE."** Each stage is centered on real-world implementation and community co-building as the driving forces, gradually fulfilling the vision of "every person owning a trustworthy and controllable digital avatar." In the future, ITRIX will not just be a product, but a critical social infrastructure for global digital citizens.

8.1 Completed Stage

Core Technology Readiness and Prototype Construction

AI Models & Digital Avatars: Successfully developed multi-modal AI models for digital avatars, possessing key capabilities such as language style mimicry, voice cloning, and avatar image generation.

Blockchain Infrastructure: Built a stable blockchain architecture; completed development of key smart contracts for user identity, content attestation, and social graphs; introduced cryptographic mechanisms to secure data.

Intelligent Compute Scheduling: Established a resource scheduling system to dynamically allocate AI computation and storage resources, optimizing costs for model inference and training.

8.2 Phase I: Product Launch and Ecosystem Initiation

Digital Avatar Release and Token Issuance

Core Feature Rollout: Launch ITRIX Alpha (closed beta), supporting key functionalities such as digital avatar creation, text-based interactions, and voice calls. Deploy a decentralized identity system and friend/follow features.

Token Issuance & Fundraising: Deploy the ITX token smart contract; complete a seed round of funding; initiate an initial community airdrop, forming the preliminary structure of the platform's economy.

Community Operations Kickoff: Set up community channels (forums, Discord, etc.) to gather user feedback and refine the product experience. Launch community content incentive programs to cultivate an early core user group.

8.3 Phase II: Market Expansion and Interaction Upgrade

Expand Celebrity/KOL User Base and Enhance Interactive Experience

Beta Public Release: Launch the public beta (open registration); aggressively onboard target user groups such as celebrities, public figures, and KOLs to drive network effects.

Enhanced Video Interaction: Introduce high-fidelity avatar video call functionality, boosting the avatar's applicability in live streams, virtual events, and richer social scenarios.

ITX Exchange Listing: List the ITX token on centralized exchange(s) to improve liquidity and increase exposure to a broader user base.

Initial DAO Framework: Establish a community moderator system and introduce a prototype ITX DAO, piloting community-driven content moderation and user self-governance.

8.4 Phase III: Platform Openness and Ecosystem Prosperity

Full Product Launch and Ecosystem Partnership Expansion

Official Platform Launch: Release the official version of ITRIX, opening up more interactive scenarios such as live streaming, content subscriptions, voice chat rooms, etc., to provide a comprehensive multi-modal avatar experience.

Ecosystem Developer Integration: Open up APIs and support third-party DApps, tools, and mini-program integrations. Launch a developer incentive program to encourage third-party contributions and extensions of the platform.

Monetization Tools Launch: Introduce features like virtual gifting, tipping, and subscriptions, enabling content creators to diversify their monetization strategies.

Global Community Building: Strengthen global community growth and user onboarding. Host creator contests, IP collaborations, and other events to enhance brand influence and user engagement worldwide.

8.5 Phase IV: Decentralized Governance and Global Expansion

Full Realization of a Collaborative Social Operating System

Advanced Feature Expansion: Launch cutting-edge features such as multi-modal synchronous avatars, VR interaction support, and AR social experiences, further enhancing immersion and presence in social interactions.

ITX DAO Full Autonomy: Transition full governance power to the DAO. The core team shifts entirely to a support and technical advisory role as the community achieves mature self-governance.

Refined Economic Model: Continuously optimize the token economy and value cycle mechanisms to ensure a balanced ITX supply-demand dynamic and healthy ecosystem growth.

Internationalization Strategy: Focus on expanding into emerging markets (Southeast Asia, Africa, South America, etc.) and partner with local communities and brands for on-the-ground operations and adoption.

Web3 Super-App Ecosystem: Support over 50 community DApps running on the platform, forming a complete social application ecosystem and establishing ITRIX as a Web3 super-app hub.

IX. Risk Disclosure

While ITRIX is committed to building a next-generation decentralized social platform, we remind all users, developers, and partners to be mindful of the following key risk factors:

9.1 Technology and Product Risks

R&D Challenges: ITRIX combines frontier technologies like AI and blockchain. Achieving highly lifelike digital avatars, efficient model deployment, and stable decentralized services is technically challenging and may lead to delays or suboptimal features.

System Security: The platform involves multiple technical modules (smart contracts, storage nodes, AI interfaces, etc.) and may harbor potential vulnerabilities or face attacks. Such issues could impact asset security or service stability.

9.2 Market and User Risks

User Acceptance: AI-driven avatars and Web3 social networks are still nascent fields. User education and acceptance will take time, and the platform's growth rate may be slower than anticipated.

Competition and Substitution: The AI and Web3 sectors are very active. If other platforms quickly launch a breakthrough application, ITRIX could face pressure in acquiring and retaining users.

9.3 Compliance and Policy Risks

Legal/Regulatory Uncertainty: AI-generated content, digital identity, decentralized governance, and token circulation all lie in gray areas of regulation globally. If policies become stricter, the product model or operational scope might need significant adjustments.

Token Compliance Issues: The ITX token faces regulatory classification risks. If deemed a security or illegal financial instrument, its circulation, trading, or use could be restricted or impacted.

9.4 Economic Model Risks

Token Volatility and Incentive Design: If the economic model is poorly designed, ITX's price could experience extreme volatility, incentives might fail to motivate desired behavior, or the ecosystem could become unbalanced—all of which would hurt user enthusiasm and platform credibility.

9.5 Governance and Operational Risks

Protocol Feature Governance: Low participation rates, tendencies toward centralization by large holders, or community factionalism could reduce governance efficiency and affect the platform's long-term development.

Force Majeure: Factors such as regulatory changes, systemic financial crises, network outages, or major public events could all pose shocks to the platform beyond our control.

Reminder: Participation in ITRIX and related token activities requires thoroughly understanding the above risks and making decisions according to your own judgment and risk tolerance. We will do our best to strengthen system security, ensure technical robustness, and refine governance mechanisms, but we cannot eliminate all external uncertainties.

X. Disclaimer

This white paper is an overall technical and ecosystem description document for the ITRIX project, for information purposes only. It does not constitute legal, financial, or investment advice. Please carefully read the following disclaimers:

10.1 Information Attributes

Non-Investment Advice: This white paper does not constitute an offering of securities or an investment promise. ITX tokens do not equate to any form of equity, dividend rights, or income guarantees.

Forward-Looking Statements: Any visions, plans, or expectations described in this white paper are forward-looking statements. Actual results may vary significantly due to various uncertainties.

10.2 Legal and Compliance

No Contractual Obligation: This white paper is not legally binding. Any participation in ITRIX should be confirmed through independent agreements and terms.

Regional Restrictions: Different jurisdictions have varying regulations on blockchain, AI, tokens, etc. If your local laws prohibit participation in such projects, you must self-assess compliance and refrain from participating.

10.3 Intellectual Property and Content Use

Intellectual Property: This white paper is protected by copyright. No unauthorized modifications or commercial use are allowed without permission.

Non-confidential content from the paper may be cited for research or sharing purposes, but the source must be credited.

10.4 Updates and Right of Interpretation

Dynamic Content Updates: The content of this white paper may be updated as the project evolves. Please follow official channels for the latest version.

Final Interpretation: The ITRIX team reserves the final right of interpretation of this white paper and all matters related to the platform, and may revise content as needed based on actual circumstances.

Important Note: By reading this white paper, you acknowledge that you have understood and accepted the above risk disclosures and disclaimers. We look forward to advancing ITRIX's development together with the community under the principles of transparency, fairness, and collective governance.