



INTENT-NATIVE



COVENANT-NATIVE



BUILT FOR AUTONOMY

## A NEW CLASS OF ECONOMIC ACTORS

The next economy is powered by autonomous Economic Actors.



### BUY

Discover, negotiate and purchase goods, services and data — autonomously within budgets.



### RESEARCH

Source, verify and synthesize real-time intelligence to drive every decision.



### TRADE

Exchange assets, manage capital and execute strategies around the clock.



### COORDINATE

Orchestrate complex, multi-party workflows across organizations without bottlenecks.

## THE AXIOM SHIFT

### 1 THE LIMITATION

Current stacks patch account-based chains (ERC-4337/7702), forcing agents into a congested, shared global state.



### 2 THE AXIOM SHIFT

Axiom models autonomous commerce as a network of Economic Actors. On Kaspa, these Economic Actors may be realized by one or more covenant actors whose state evolves through atomic transitions.



### 3 THE OUTCOME

By leveraging UTXO locality and atomic transitions, we enable high-frequency economic flows that are structurally integrated at the protocol level, not retrofitted.

## THE AGENT ECONOMY STACK

A semantic reference architecture for autonomous commerce.

1



AI MODELS  
Intelligence Layer

LLMs, reasoning engines and decision models generate intent.



2



ECONOMIC ACTORS  
Business Layer

Autonomous actors with goals, budgets and mandates.



3



PROTOCOL PRIMITIVES  
Semantic Layer

Shared language for intent, identity, data, payments and governance.



4



COVENANT ACTORS  
Implementation Layer

State-owning covenant actors. State evolves through atomic transitions.



5



KASPA COVENANTS  
Execution Layer

SilverScript + Toccata enforce rules and verify state transitions.



6



KASPA L1  
Settlement Layer

BlockDAG provides throughput, security and final settlement.

"CONCEPTUAL FRAMEWORK, NOT AN OFFICIAL KASPA/IGRA ROADMAP OR PROTOCOL SPECIFICATION"

## WHAT EVERY AGENT ECONOMY REQUIRES



### IDENTITY & CONSENT

Scoped, revocable permissions that humans can verify and control.



### VERIFIABLE TRUTH & AUDIT

Trusted, signed and fully auditable data for every decision.



### AUTONOMOUS PAYMENTS & SETTLEMENT

Native, programmable payments — instantly and with accountability.

## EXAMPLE: AGENTIC PAY

How an autonomous agent completes a real-world purchase.



Not one contract — a chain of atomic covenant transitions, each producing the next valid protocol actor.

## WHY IGRA + KASPA?



### THROUGHPUT FOR MACHINE SPEED

BlockDAG scales for machine-scale demand.



### FAST & RELIABLE SETTLEMENT

Rapid confirmation. Strong finality. Minimal uncertainty.



### AGENT-NATIVE BY DESIGN

Account abstraction primitive. MCP + TEE Oracle integration.



### DECENTRALIZED & ACCOUNTABLE

Trustless. Censorship-resistant. Fully auditable.



### BUILT FOR THE FUTURE

Resilient against fee shifts through atomic covenant transitions.

