The Corporate Shield for the Micro-Economy

How local AI agents reverse the burden of proof and grant 2.5-person businesses the regulatory power of a 1000-employee enterprise.



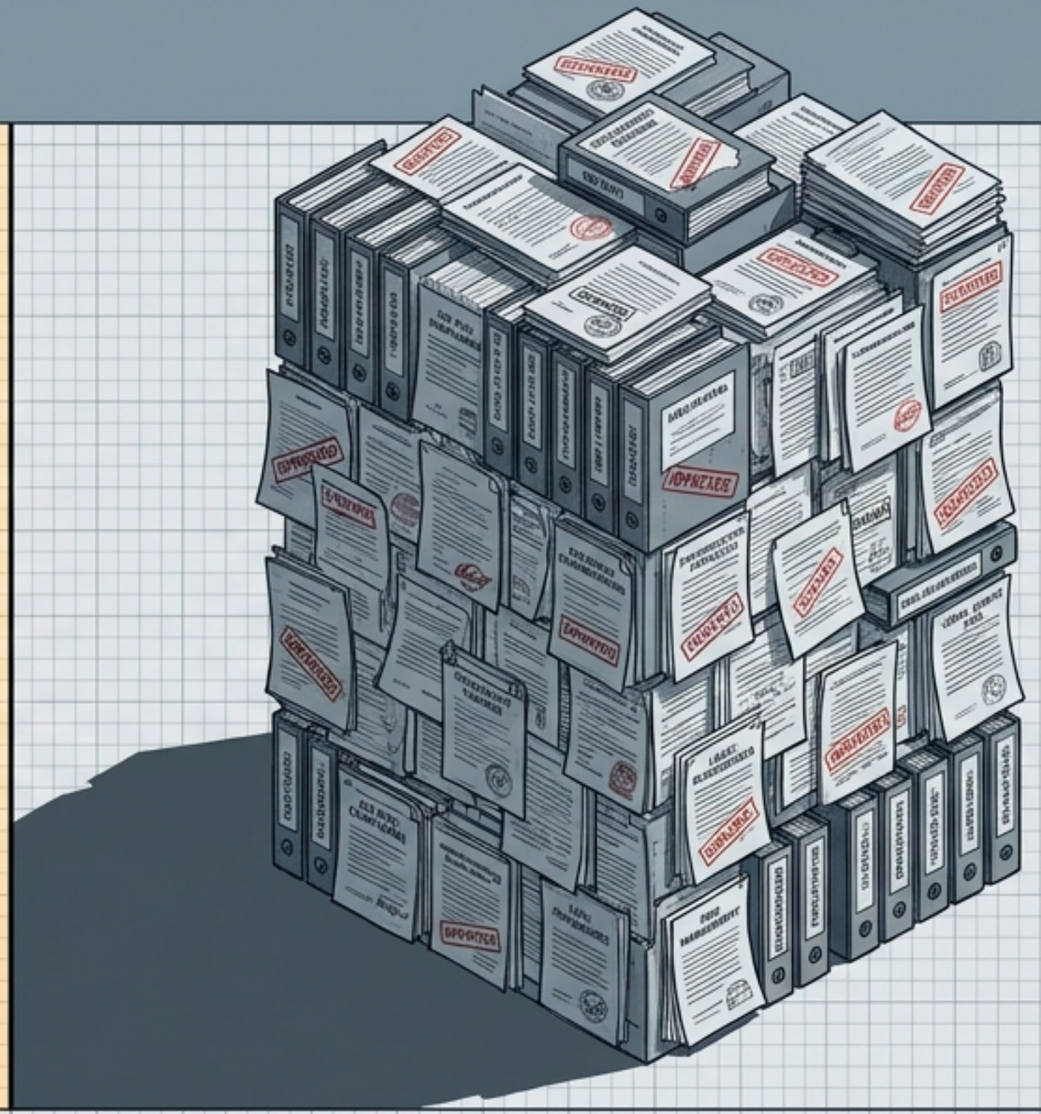
Project SmallAsBig | Framework Blueprint 2026

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The 2026 Regulatory Trap

The Reality: 2.5 Full-Time Staff
Focus: Baking bread, serving local customers.





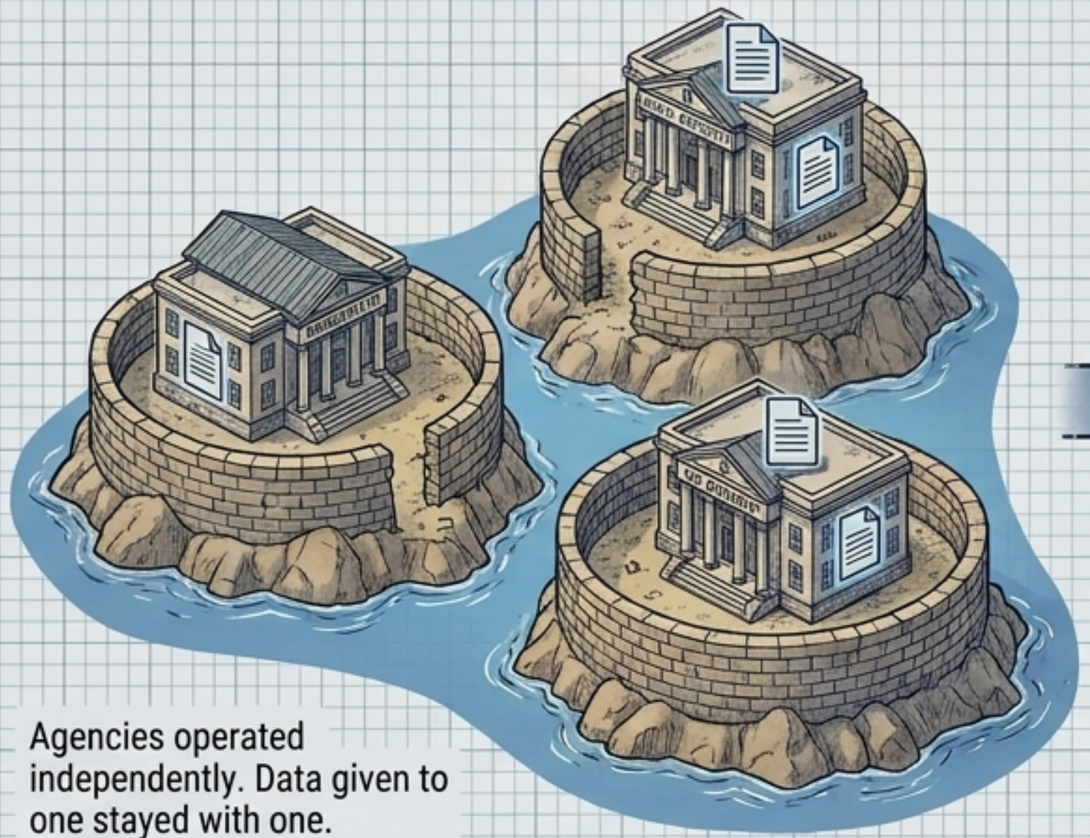
In 2026, standard legal compliance is no longer enough. The burden of proof has shifted. Micro-businesses are expected to maintain enterprise-grade documentation—ISO routines, sustainability tracking, and complex volume flow analysis—without corporate HR or legal departments. The business is no longer viewed as a bakery; it is viewed as a vulnerable data point.

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16:9 ASPECT RATIO

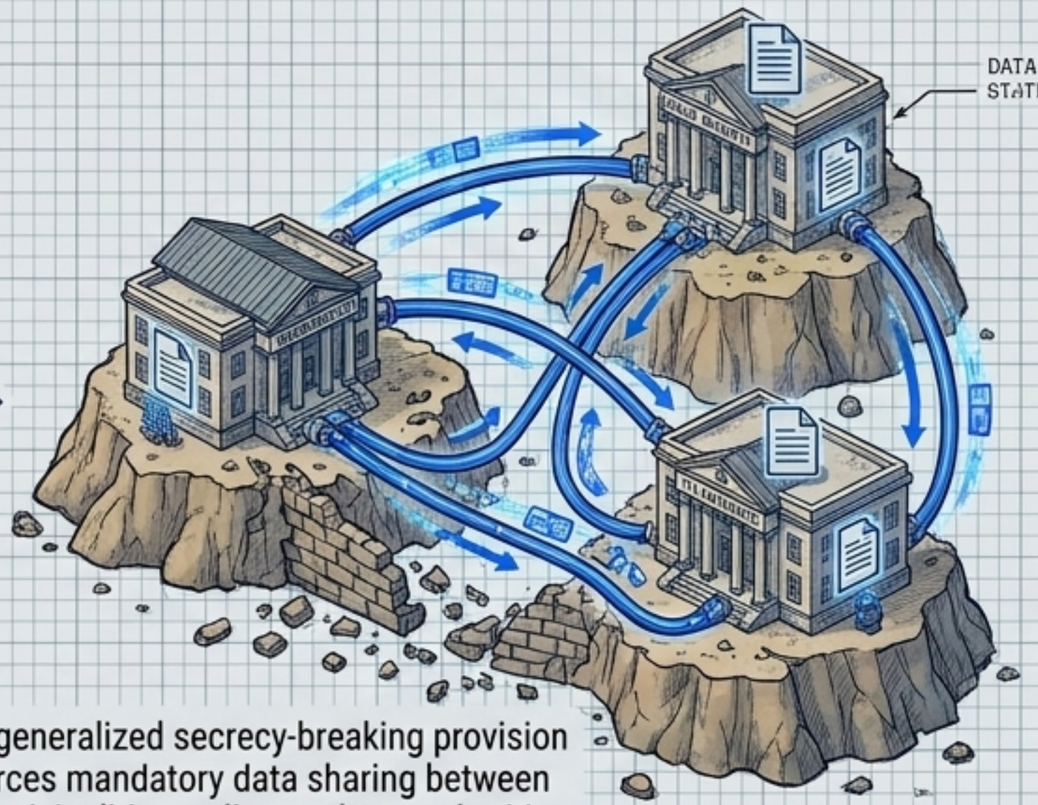
The Fall of the Secrecy Wall

Pre-2025: The Island Model



Agencies operated independently. Data given to one stayed with one.

The 2026 Reality: 10 kap. 15 a § OSL



A generalized secrecy-breaking provision forces mandatory data sharing between municipalities, police, and tax authorities.

The principle of purpose limitation (GDPR) has been overridden by automated, real-time agency collaboration. A simple health inspection is now an active economic audit.

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The Cross-Agency Data Trap

1. The Trigger



Miljökontoret (Environment Office) conducts a hygiene check, asking: How many kilos of chicken do you sell a week?

2. The Calculation



Inspector compares verbal answer against wholesale invoices (e.g., Bought 500kg, claimed 100kg sold).

3. The Flag



Discrepancy is automatically flagged via digital collaboration protocols to Skatteverket (Tax Agency).

4. The Assumption



Missing 400kg is legally assumed to be black-market sales unless perfect daily waste-logs (svinndagbok) can prove otherwise.

Control is good, but cross-referencing is better. They are searching for the invisible revenue.

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Bureaucratic Exclusion and the 6.5M SEK Loaf of Bread

The Opportunity

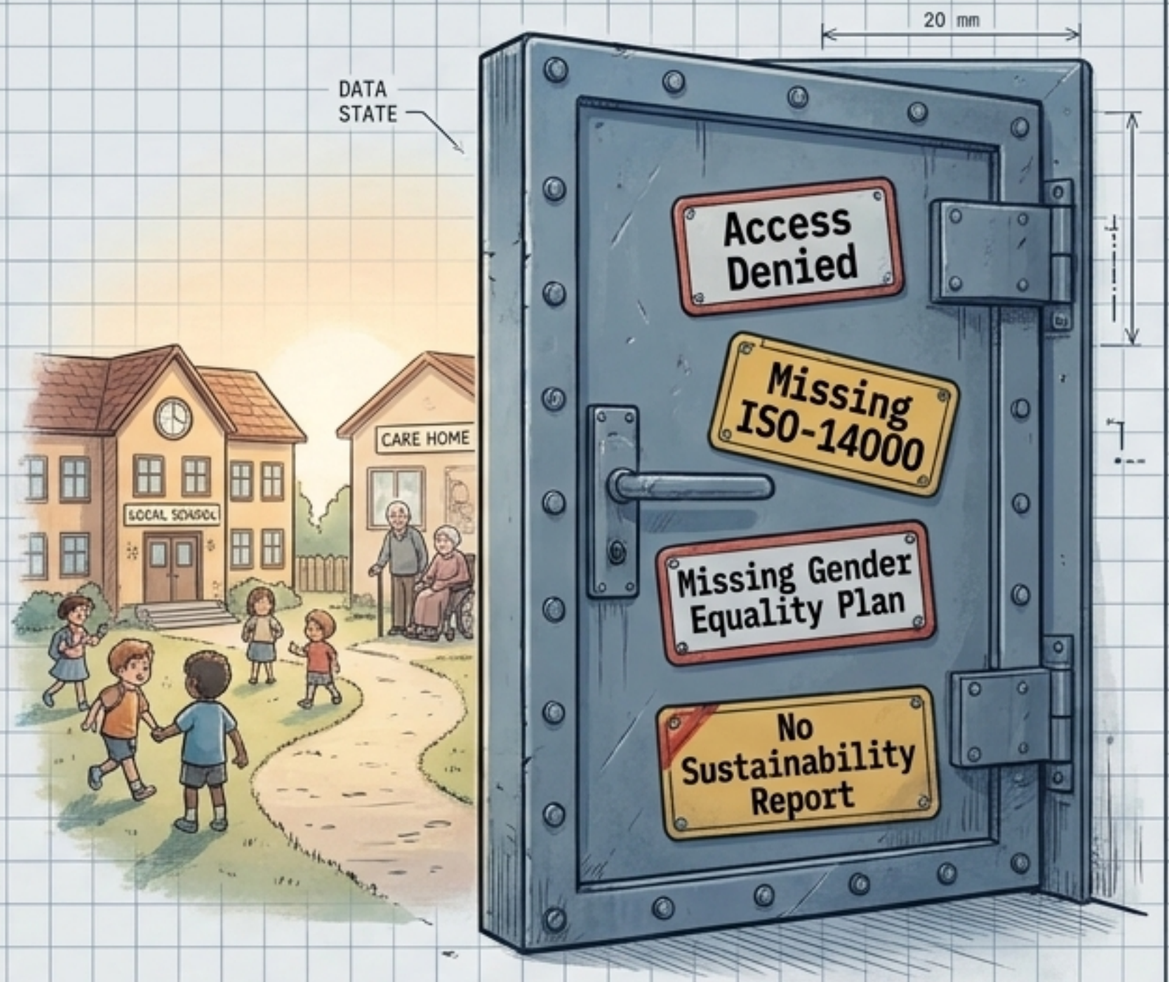
- A **6.5 million SEK, 2-year** contract to supply bread to local schools and service homes.

The Capability

- The bakery has the physical capacity and previously held this contract 6 years ago.

The Blockade (Ska-krav)

- The municipality's automated procurement system now requires formal Gender Equality Plans, ISO-14000 equivalent routines, and comprehensive sustainability reports.



The system does not reward the best local baker; it rewards the entity best equipped to generate corporate paperwork.

16:9 ASPECT RATIO
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The Paradigm Shift: Becoming a Digital Twin

Dimension	Analog Small Business	SmallAsBig Digital Twin
Compliance Handling	Reactive, manual paperwork done after hours.	Proactive, automated generation of ISO-equivalent documents on demand.
Data Consistency	Memory-based answers, prone to human error and agency cross-matching traps.	100% cryptographic consistency across all agency interactions.
Procurement Access (LOU)	Locked out by complex ska-krav (must-haves).	AI maps local data to enterprise-grade tender applications in minutes.
Burden of Proof	Guilty until proven innocent.	Reverses burden using Proportionality Principle (5 § förvaltningslagen).

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Introducing SmallAsBig: The Autonomic Nervous System

SmallAsBig is a localized, self-hosted AI agent ecosystem. It operates as a **Corporate Shield**, automating the administrative exoskeleton of the business.



Impenetrable Consistency

Never provide contradictory data to state cross-referencing algorithms.

Total Sovereignty

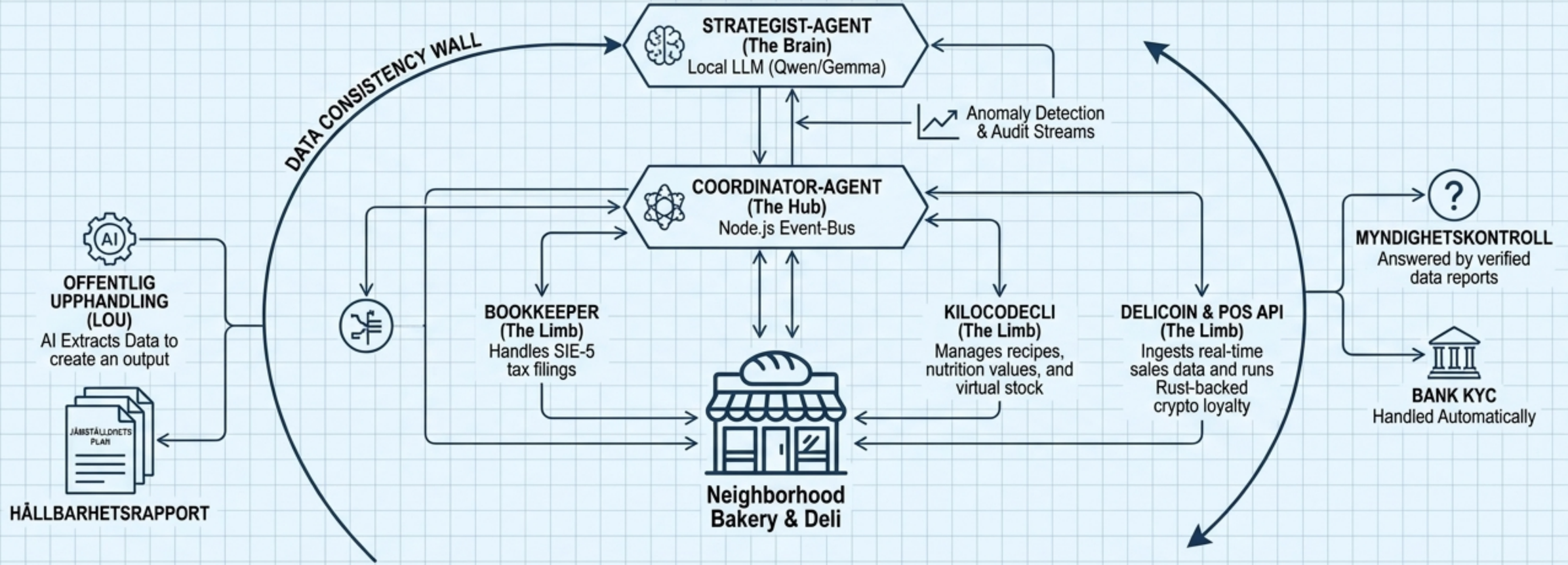
100% local hardware processing. Your financial data never leaks to a cloud API.

Human Focus

The AI handles the robots (the bureaucracy), so the humans can handle the craft.

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The Agent Mesh Architecture



The Hub: Node.js Event-Bus
Data Traffic Controller handling asynchronous events.

The Brain: Strategist Agent
Local LLM (Qwen/Gemma) running anomaly detection and audit streams.

The Limbs: Specialist Agents
- **BookKeeper**: Handles SIE-5 tax filings.
- **KiloCodeCli**: Manages recipes, nutrition values, and virtual stock.
- **DeliCoin & POS API**: Ingests real-time sales data and runs Rust-backed crypto loyalty.

SYSTEM EVENT: SALE_COMPLETED triggers simultaneous updates to BookKeeper and KiloCodeCli.

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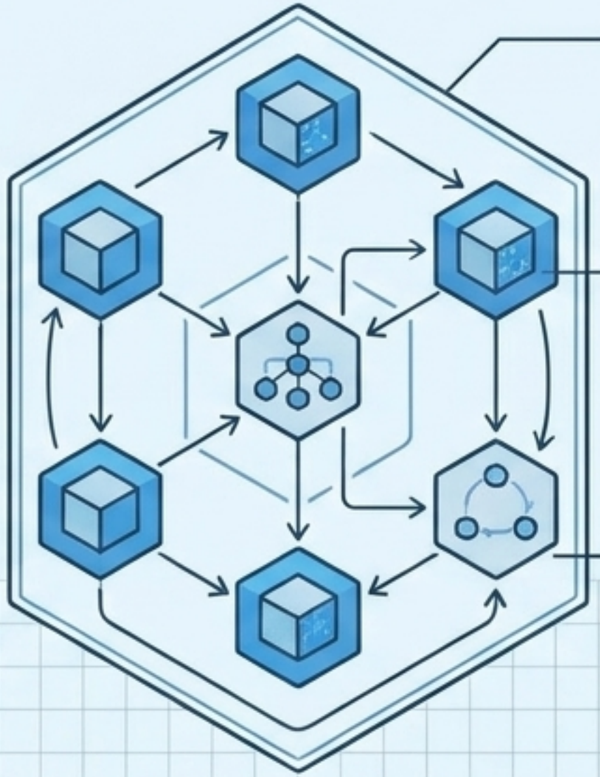
Local Sovereignty Stack

Hardware Specs



- Ubuntu 24.04 Servers
- Ryzen 5 (6/12)
- 100 GB RAM
- RTX 4060ti 16GB VRAM
  (Crucial for running 35B quantized models locally)

Software Stack



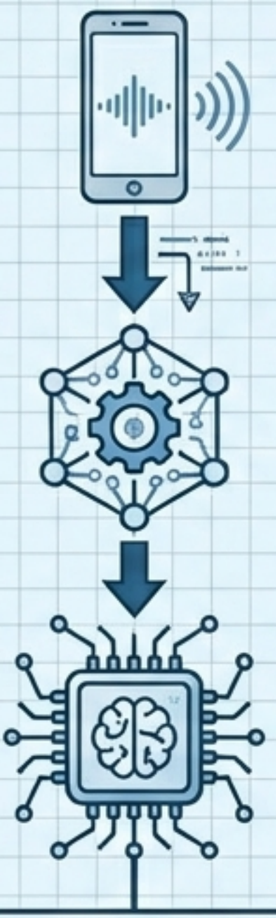
Orchestration
Docker Compose for containerized specialist agents.

Memory & Versioning
Gitea instances acting as the Single Source of Truth with full audit trails.

AI Engine
Agent Zero framework running local LLMs (Qwen 3.6:35b for deep strategy, Gemma 4 for rapid coordination).

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The Brain: Coordinator & Strategist



1. Human Input
“We threw away 4kg of sourdough today.”
(Audio or photo sent via Telegram to Agent Zero)

2. Coordinator (Node.js)
Acts as the dispatcher. Parses the intent and updates the internal JSON schema (Timestamp, Payload, Hash Verification).

3. Strategist (LLM)
The Analytical Overlord. Mirrors the data via an Audit-Stream.

The Value: If the Strategist detects that real-time POS sales deviate from KiloCodeCli recipe predictions, it flags an ANOMALY_DETECTED warning internally—catching discrepancies before the tax agency’s algorithms do.

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The Specialist Workhorses



BookKeeper

- **Role:** Financial compliance.
- **Action:** Generates and manages perfect SIE-5 files. Matches incoming POS receipts against wholesale invoices instantly.



KiloCodeCli

- **Role:** Production reality.
- **Action:** Documents recipes, calculates nutritional values, and creates continuous virtual volume checks (The svinndagbok / waste diary).



DeliCoin

- **Role:** Big-Data Loyalty.
- **Action:** Rust-powered API hooking into the cloud POS. Turns a corner bakery into a data-rich environment rivaling massive supermarket chains.

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Defense Protocol Sequence: The Volume Check



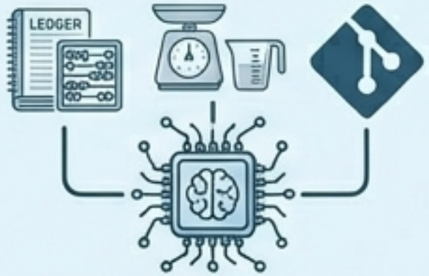
1. The Probe

Environmental Inspector arrives and unexpectedly demands a breakdown of kilos of chicken sold vs. purchased.



2. The Intercept

Instead of guessing from memory, the owner triggers the Strategist Agent via Telegram.



3. The Synthesis

The system queries POS API for exact sales, cross-references KiloCodeCli for recipe yield, and checks the Gitea waste-log.



4. The Output

Within seconds, SmallAsBig generates a perfectly formatted, mathematically flawless PDF flow analysis.

Result: The inspector is met with overwhelming corporate-level precision. They look for chaos; confronted with perfection, they move on.

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The Procurement Engine (LOU Robot)

Ingestion

The system reads massive public tender documents and extracts the specific ska-krav (must-have administrative requirements).



Generation

Agent Zero queries local bakery data (2.5 staff, local hiring, ingredient sourcing) and generates a bespoke 2026 Gender Equality & Sustainability Plan.

The Result

A document that looks and reads as if written by a 2000 SEK/hour consultant, perfectly mapping local realities to enterprise-scale bureaucratic language.



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Automating Bank KYC: The Corporate Memory

Banks frequently freeze small business accounts over minor discrepancies in endless FATCA/GATCA or **Ultimate Beneficial Owner** forms.



The Solution

A dedicated KYC-Agent acts as the unshakeable corporate memory. Every time the bank sends a form, the agent auto-fills it using a unified Gitea repository of past answers.

Impact

100% consistency over time.
Zero algorithmic red flags.
Zero locked accounts.

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Reversing the Burden of Proof



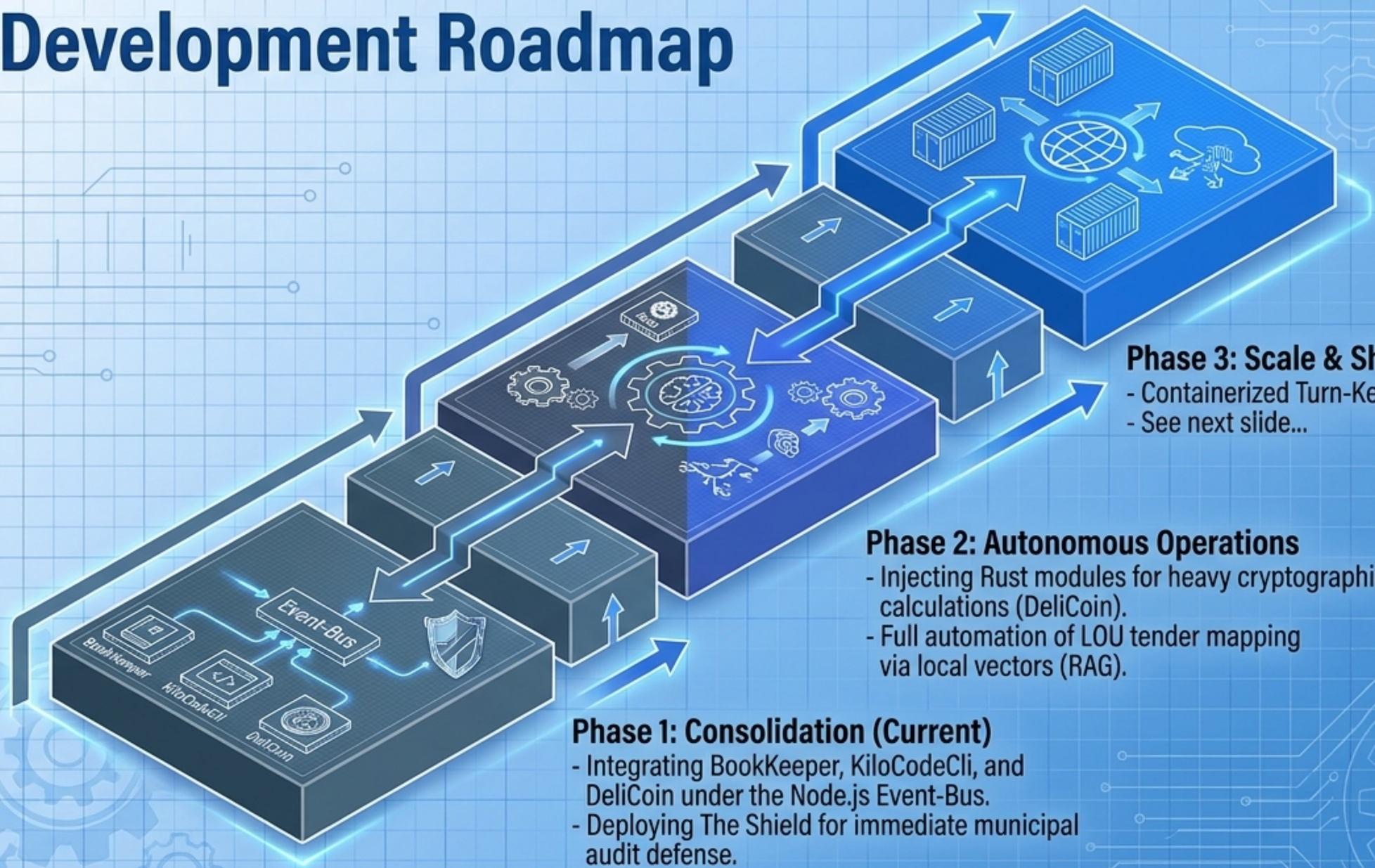
With reference to the principle of proportionality in 5 § Förvaltningslagen, please specify how the request for detailed weight volumes is strictly necessary for the primary purpose of this inspection (food safety).

The Legal Counter-Strike: The AI doesn't just answer questions; it generates legally binding pushback.

Takeaway: When a municipality receives this level of precise, legally cited pushback from a local bakery, the power dynamic instantly resets.

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The Development Roadmap



Phase 3: Scale & Share

- Containerized Turn-Key Deployment
- See next slide...

Phase 2: Autonomous Operations

- Injecting Rust modules for heavy cryptographic calculations (DeliCoin).
- Full automation of LOU tender mapping via local vectors (RAG).

Phase 1: Consolidation (Current)

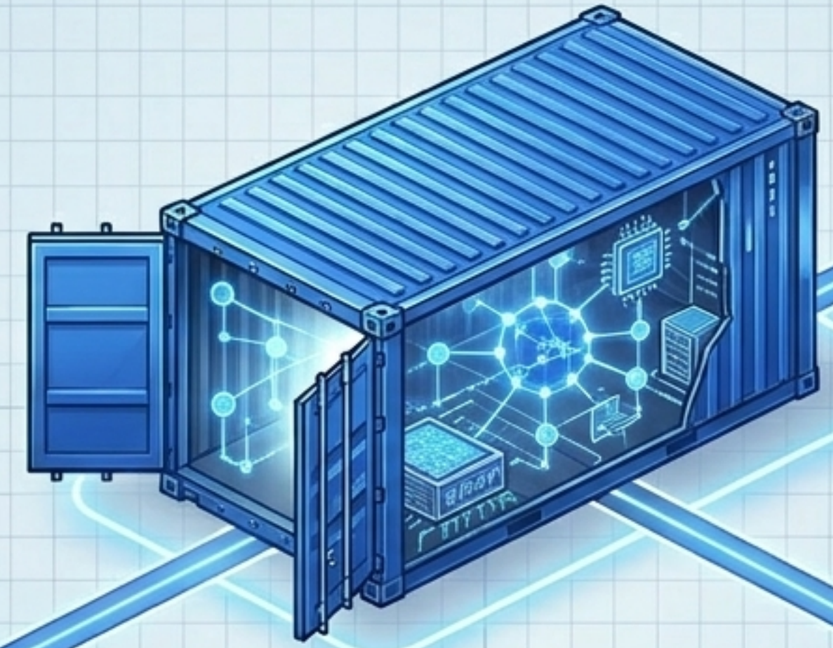
- Integrating BookKeeper, KiloCodeCli, and DeliCoin under the Node.js Event-Bus.
- Deploying The Shield for immediate municipal audit defense.

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SmallAsBig-in-a-Box

Containerized Turn-Key

- Packaging the entire stack into a single Docker-compose file that any micro-business can install locally.





Industry Templates

- Pre-trained policy parameters for different sectors (Salons, Handymen, Cafes).





P2P Defense Network

Allowing businesses to anonymously share algorithmic inspection trends to collectively strengthen their negotiating positions against local governments.

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Automating the Bureaucracy to Reclaim the Craft



We build the administrative robots to speak with the state's algorithmic robots. By democratizing bureaucratic power through localized AI, we ensure that the people who bake the bread, fix the pipes, and cut the hair can get back to being human.

Project SmallAsBig | Local Sovereignty for the Micro-Economy

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