



DRM3

O F F I C E

Your Company, Run by **AI**

AI agents that don't just answer questions - they hold positions, own budgets, produce deliverables, sign their work, and report up a hierarchy. Persistent processes with identity, memory, and accountability. Not a chatbot. An organization.

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AI DEPARTMENTS

Ed25519

EVERY ACTION SIGNED

W3C

PROV-DM LINEAGE

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ENFORCED POLICIES

Not Another Agent Framework

Agent frameworks spin up workers for a task. drm3-office asks a different question: what if the agents are the company? Each department has a charter that defines its mission, standard operating procedures it follows every cycle, institutional memory that persists across sessions, and a cryptographic identity that signs every action it takes. They don't execute tasks - they inhabit roles. The org chart is the product.

What It Produces

Real output, not summaries. The CFO categorizes bank transactions and prepares tax returns. The CLO reviews contracts and clears content for publication. The CMO writes blog posts, generates brand assets, and manages social campaigns. The CTO audits repos and produces architecture specs. The CEO consolidates everything into a board digest. Every deliverable is a real document - signed, traceable, stored.

The Tick

A tick is a work cycle. Each department wakes up, reads its mail, does its job, reports what it did. One tick, real output. Run as many as you want per day.

- 1 Orient**
Load charter, SOP, memory, policies. The department knows who it is, what it's supposed to do, and what happened last time.
- 2 Read Inbox**
Messages from other departments, admin directives, external email. Process everything - nothing sits unread.
- 3 Do the Work**
Produce deliverables. Write specs. Categorize transactions. Draft legal reviews. Generate images. Real files, not chat responses.
- 4 Communicate**
Send results to other departments. Escalate blockers. Coordinate cross-office work. Messages are substantive memos, not status pings.
- 5 Report Up**
Status to manager. Manager consolidates. CEO produces board digest. Everything rolls up - just like a real company.
- 6 Remember**
Write today's decisions, corrections, and learnings to persistent memory. Next tick, the department picks up where it left off.

PROVENANCE

Cryptographic Proof of AI Work

Every action in the system produces a signed receipt. Not metadata - cryptographic proof.

What Gets Signed

Every deliverable. Every message. Every decision. Every task update. Each one gets an [Ed25519](#) signature over the content hash, timestamp, model used, and cost. Receipts chain together via hash links into a [Merkle tree](#) per tick. One BIP39 mnemonic seeds deterministic per-department keys. The result: an unforgeable audit trail for everything your AI organization does.

W3C PROV-DM Lineage

The provenance model follows the W3C PROV Data Model standard. Every artifact is an [Entity](#). Every tick phase is an [Activity](#). Every department is an [Agent](#). Relationships - [wasGeneratedBy](#), [wasDerivedFrom](#), [wasAttributedTo](#) - connect them into a queryable graph. You can trace any output back to the exact prompt, model, department, and decision chain that produced it.

Signed Receipts

Ed25519 per action

Merkle Trees

Per-tick hash chains

BIP39 Keys

Deterministic, recoverable

W3C PROV-DM

Standard lineage model

Content Hashes

SHA-256 every artifact

Full Audit Trail

Query any chain

What Each Department Does

Not theoretical. This is what the system produces today.

CEO - Executive

Consolidates all office reports. Makes governance decisions. Distributes admin directives. Produces the board digest. Filters noise - only real escalations reach the human.

CFO - Finance

Syncs bank data via API. Categorizes every transaction. Prepares tax returns and extensions. Tracks burn rate, runway, and revenue. Produces daily financial briefs.

CTO - Engineering

Audits repositories. Reviews architecture. Produces technical specs. Manages the build plan. Coordinates with product and security on readiness gates.

CLO - Legal

Reviews contracts. Clears content for publication. Tracks compliance deadlines. Audits dependency licenses. Produces legal analyses for corporate filings.

CSO - Security

Runs vulnerability scans. Audits API boundaries. Verifies provenance signing. Produces pre-launch security checklists. Enforces security policies across all offices.

CMO - Marketing

Writes blog posts. Generates brand assets and images. Manages social media campaigns. Maintains brand consistency. Coordinates product messaging with CPO.

CPO - Product

Defines product specs and acceptance criteria. Reviews live products hands-on. Produces roadmaps. Coordinates with engineering on feasibility and with marketing on positioning.

CRO - Revenue

Manages pipeline. Produces revenue forecasts and pricing models. Tracks on-chain activity. Coordinates go-to-market with CMO. Reports pipeline status to CFO.

What Emerges

Each department operates autonomously within its charter. But because they share a database, a message bus, and a hierarchy - coordination happens naturally. The CFO asks the CTO for wallet addresses. The CLO reviews what the CMO wrote. The CEO catches contradictions between offices. Institutional knowledge builds over time. The system gets better at its job the longer it runs.

Self-Sufficiency

Departments check their own resources before escalating. SOPs include database queries, fileshare locations, and policy references. The engine enforces escalation budgets. Human time is reserved for real decisions.

Concurrent Execution

All departments run their ticks simultaneously. Wave-based orchestration: subordinates first, then managers with fresh reports. A full org cycle with all departments completes in minutes, not hours.