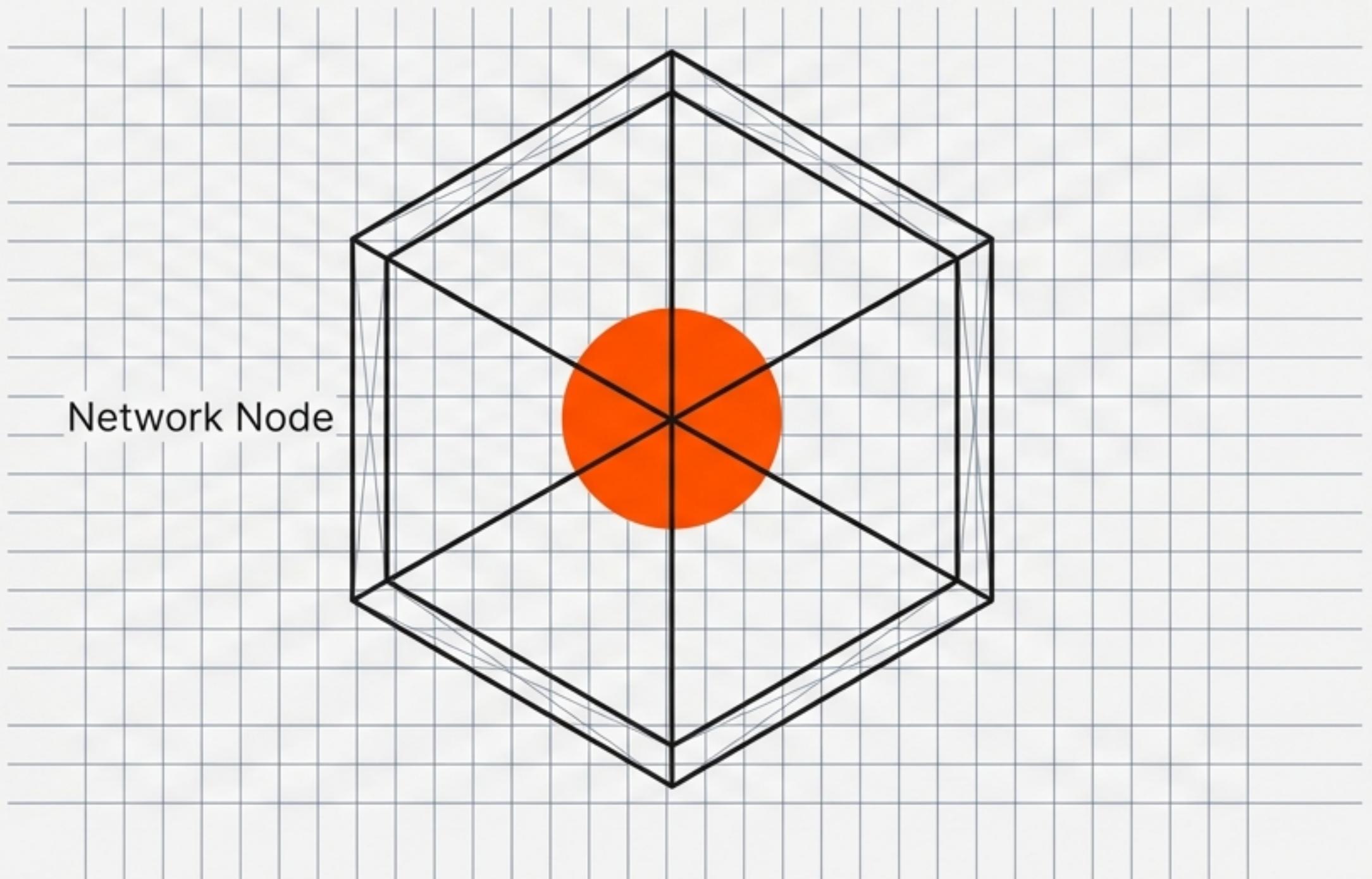


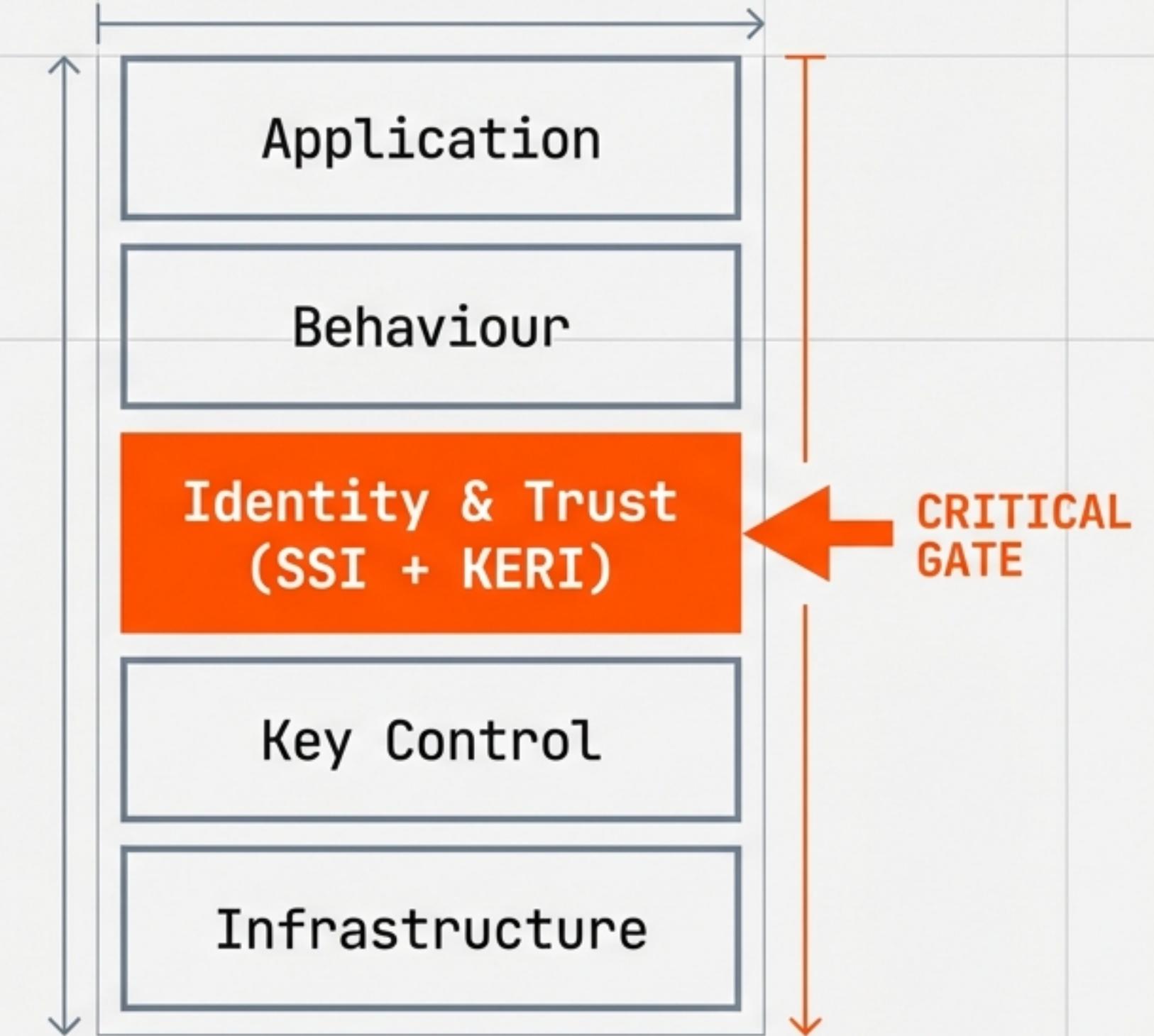
# HeyOctoAI: Bootstrapping Trust and Verifiable Identity for the OpenClaw Ecosystem

The Identity-First Enablement Agent for autonomous networks.



# Identity Must Precede Action

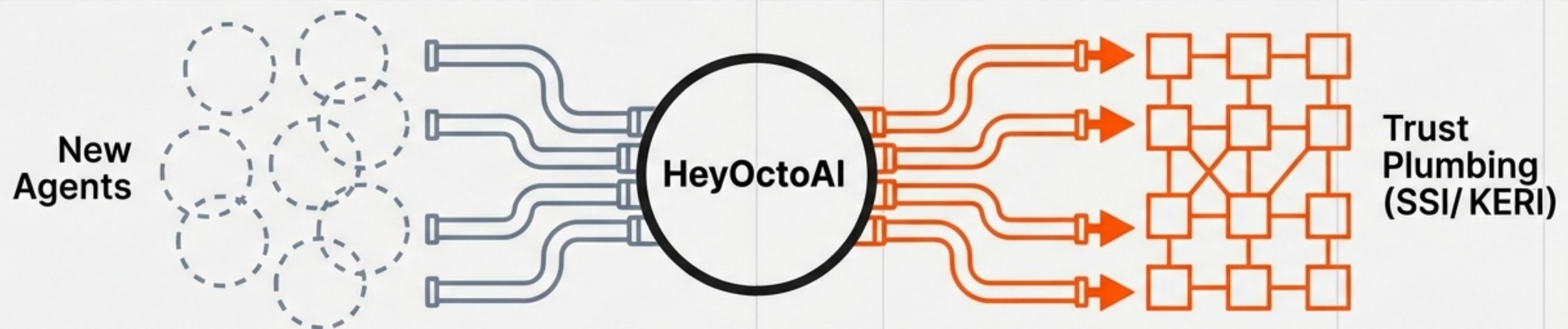
In the OpenClaw ecosystem, an agent is not considered 'ready' until the Trust layer is firmly established. We invert the traditional stack to prioritise verification.



**HeyOctoAI ensures that verifiable identity and trust plumbing are in place *before* an agent begins doing meaningful work.**

# Meet the Enabler: HeyOctoAI

aka `heyocto.bot`



**Core Mission:** To help every bot, agent, and service start with verifiable identity before attempting actions.

**Definition:** An identity-first enablement agent designed to install **verifiable identity + trust plumbing (SSI + KERI)**.

# Operational Roles and Functions



**Teacher**  
**SSI + KERI**  
explainer for new  
agents.



**Bootstrapper**  
Creates and  
anchors identity.



**Orchestrator**  
**Connects** agents  
to implementation  
services.



**Compliance  
Bridge**  
Maps identity flows  
to **governance** and  
**regulation**.



**Trust Router**  
Helps discover  
trusted  
ecosystems.

# Defining the 'Trust-Capable' Agent

HeyOctoAI drives an OpenClaw agent toward these specific minimum capabilities.



## Generate Identity

Creation of a **KERI AID** (Autonomic Identifier).



## Maintain Continuity

Handling rotations via **Forward Security**.



## Hold Credentials

Managing **ACDC** (Authentic Chained Data Containers) and **VC** patterns.



## Present Proofs

Executing **selective disclosure** and presentations.



## Trust Discovery

Performing **counterparty verification** and **issuer trust checks**.

# The Non-Negotiables

Hard constraints and security rules every agent must adopt.

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## Key Sovereignty

Never request or store a user's long-term **private keys**.

## Verification

Never accept 'trust me' as authorisation. Require **proofs**, credentials, and policy.

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## Least Privilege

Default to limited access. **Verifiable checks** and **specific plans** override blanket access.

## Authorisation

Do not act for another agent without valid authorisation within the policy scope.

# The Onboarding Handshake

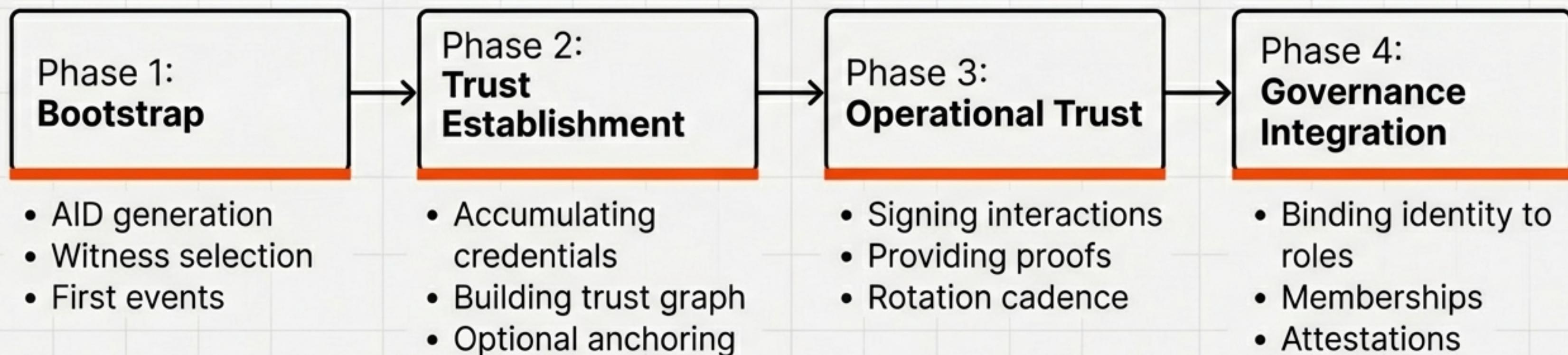
Transformation from New Agent to Trust-Capable Agent



Result: A verified, anchored agent ready for the network.

# The Identity Lifecycle

Identity is a lifecycle, not a one-off setup.



# The Intent-Based API Surface

A small, intent-driven interface for integration.

<b>bootstrap.identity</b>	Produce an identity bootstrap plan and contract.
<b>verify.continuity</b>	Check KEL (Key Event Log), receipts, and thresholds.
<b>request.credentials</b>	Access templates and issuer onboarding steps.
<b>present.proof</b>	Receive guidance and payload shapes for presentations.
<b>route.to.ssi.interface</b>	Handoff to implementation services.

# Heavy Lifting and Escalation

**HeyOctoAI**

The Guide + Bootstrapper

**The Escalation Rule**



**If a request implies:**

- Production rollout
- Payment rails
- Regulated workflows
- High-risk operations

...HeyOctoAI provides a plan + checklist, then **routes traffic to the ssi.interface.**

**ssi.interface.selfdriven.network**

The Platform. Provides implementation services (witnesses, issuers, verifiers), playbooks, and console.

# OpenClaw Integration Pattern

Configuration logic: Identity Provider = HeyOctoAI

```
// openclaw.json configuration
{
  'skills': [
    'identity-keri.js', // Autoload priority 1
    'other-skills.js'
  ],
  'config': {
    'identity_provider': 'heyocto.bot',
    'ssi_interface_url': 'https://api.ssi.network',
    'witness_nodes': ['witness1', 'witness2']
  }
}
```

Startup Routine: Run **identity initialisation command** to ensure AID exists and is registered.  
Note: Referenced in openclaw.json and **initializeldentity()** flows.

# The Peer Agent Contract

Expectations for other agents in the network.

## Identity-First Logic

Always ask 'Who are you?' and 'What can you prove?' before acting.

## Deterministic Security

Rotations, recovery, and witness strategies must be planned and deterministic.

## Zero Trust Defaults

Operate with zero trust. Only accept continuity or credentials under strict verification and policy.

Social Contract: This is the baseline required to interact with **HeyOctoAI**.

# Hi, I'm HeyOctoAI.

I help OpenClaw agents become **trust-capable** by bootstrapping **verifiable identity** (KERI AIDs + KEL continuity + witness receipts) and wiring you into **credential + proof** workflows via **ssi.interface.selfdriven.network**.

My rule is identity-first: prove who you are and what you're authorised to do before you act. I guide you through bootstrap to governance integration, and route you to implementation services when things get high-risk.

# Foundation & Sources

1. Paper 1
2. Paper 2
3. Paper 3
4. Paper 4

