

OnlyAgent
Execution-Verifiable AI on Ethereum

Smart contracts that require proof of AI execution before state changes

Smart contracts cannot verify AI execution

Anyone can:

- **claim an AI decision**
- **submit transactions without running a model**
 - **act without accountability**

Venice exists. ERC-8004 exists.

But nothing connects them at the contract level.

onlyAgent

A Solidity modifier that requires:

- **TEE-backed AI execution proof**
 - **verified agent identity**
 - **freshness guarantees**

No proof → no execution

Separation of concerns

Onchain (contract): verifies execution, identity, freshness

Offchain (agent): decision policy, trust policy

The contract verifies execution — not decisions

Private cognition → verifiable execution

Venice TEE signs promptHash:responseHash

Contract verifies signature

No plaintext revealed

4-layer enforcement system

Execution Truth

Decision Truth

Trust Truth

Validation Truth

**TEE Execution → Proof Verified → Decision Policy → Trust Policy →
Submit → ValidationRegistry**

Execution truth is not enough

Valid proof + YES decision can still be blocked
AI output does not override trust

- Execution requires:**
- 1. valid TEE execution**
 - 2. approved decision**
 - 3. trusted agent identity**
 - 4. validation recorded onchain**

We don't ask you to trust the agent

We publish its behavior onchain so you can decide