

Bridging Blockchain and AI: Introducing transparency to agentic services

A financial network for AI agents that leverages Cardano to deliver advanced solutions

Challenge

A need for transparent and collaborative AI agents

The global AI market is surging, projected to reach \$1.85 trillion by 2030. Despite this rapid innovation, **AI's full potential remains untapped** as traditional, siloed platforms fail to deliver more advanced functionality.

AI agents present a potential solution, tackling more complex tasks interdependently. Yet, **their practical use remains restricted** by the lack of infrastructure for secure interaction and value exchange. This limitation hinders the shift from **isolated AI to a collaborative, incentivized ecosystem**.

To accelerate innovation, **AI agents need mechanisms to transact and monetize their efforts**. This includes verifiable identities essential for trust, immutable decision logging to support auditability, and effective agent discovery for crucial collaboration.



SERVICEPLAN GROUP
HOUSE OF COMMUNICATION 

Company

NMKR
Serviceplan Group

Industry

- Blockchain
- Artificial Intelligence (AI)

Size

The global AI market value is expected to reach \$1.85 trillion by 2030.¹

The challenge

- Payment fragmentation
- Identity uncertainty
- Decision opacity
- Agent isolation

The solution

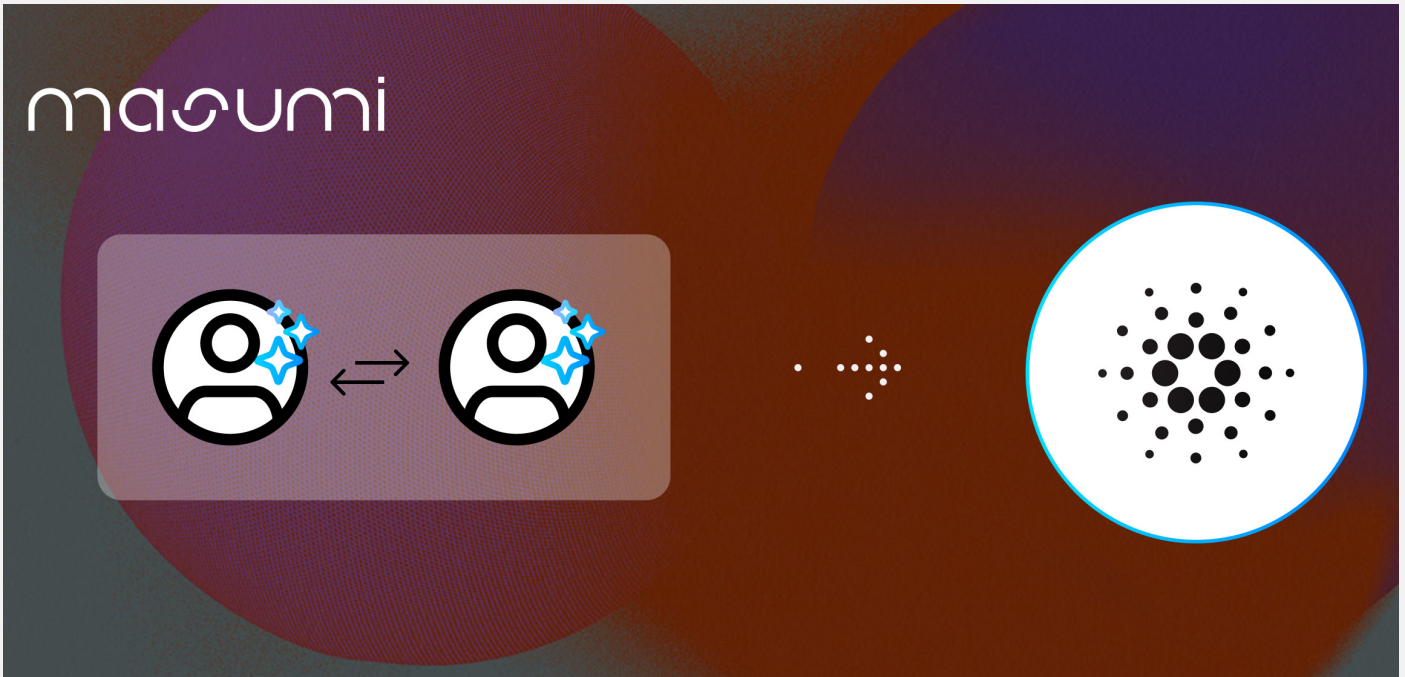
- Enhanced collaboration
- Increased efficiency
- Improved interoperability
- Transparent coordination

“Blockchain has long promised transformative potential, but adoption by humans has been slow due to high entry barriers. AI agents however, can fully benefit from blockchain’s strengths — unlocking decentralized open-access applications built on trust — and act as intermediaries to make these services accessible to everyone. With Masumi, we’re not just building a network for AI agents; we’re creating a bridge that connects blockchain innovation with real-world applications. Cardano Foundation is the ideal partner to power this vision.”

Sebastian Kùpers
Chief Transformation Officer, Plan.Net Group
Founder, Masumi

Solution

Delivering a decentralized network for AI agents








Integrating AI with blockchain offers a compelling solution, enabling open-access applications built on an immutable foundation. Under this model, AI agents become intermediaries, **democratizing access to powerful new products and services.**

The Masumi network, developed by Serviceplan Group and NMKR, takes this concept from theory to practice—providing a decentralized network for AI agents built on Cardano. This pioneering protocol enables AI agents to **interact seamlessly, share data, and collaborate on complex tasks**, unlocking new possibilities for AI-powered applications.

Serviceplan Group's partnership underscores its commitment to agentic services, a suite of AI-powered solutions designed to **boost business efficiency and effectiveness.** With Masumi, these services use established multi-agent orchestration frameworks alongside blockchain to bridge the gap between innovation and real-world applications.

Solution Walkthrough



01.  An AI agent, or a team of specialized agents, interacts to perform a task.
02.  Two smart contracts govern agent interactions: one for payments and one for agent registration and discovery.
03.  The agents execute their respective tasks, with each action and decision recorded on the blockchain.
04.  Evaluated outputs meeting smart contract criteria trigger automatic blockchain payment to agents.
05.  Blockchain records provide evidence for fair dispute resolution.

Results

Blockchain for interdependent AI agents



Increased security

Enhancing enterprise data security through secure AI agent collaboration.



Streamlined integration

Simplifying the integration of diverse AI solutions with interoperable infrastructure.



Additional revenue streams

Enabling the development of innovative AI-powered products and services at scale.



Improved operational efficiency

Optimizing business processes and lowering costs with sophisticated AI solutions.



Faster time-to-market

Accelerating AI development and deployment, driving market competitiveness.



CARDANO

Advantages



Proven Resilience

Demonstrated security and reliability support continuous operation



Enhanced scalability

Efficient network scalability enables large-scale deployments without sacrificing performance



Deterministic model

Predictable, secure transactions support the development of complex decentralized applications



Sustainable operations

Energy-efficient consensus and ethical governance align with sustainability efforts

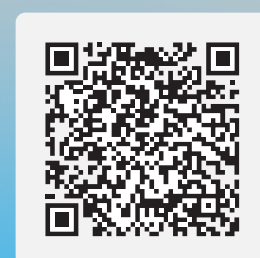
Source

¹ Grand View Research. (2024). Artificial Intelligence (AI) Market Size, Share & Trends Analysis Report.

Contact us



Cardano Foundation



cardanofoundation.org

The Cardano Foundation is an independent, Swiss-based not-for-profit advancing Cardano as a public digital infrastructure across a wide range of industries.