

ratio 1

The Ultimate AI OS Powered by
Blockchain Technology

Pitch Deck

v.1.3

Ratio1: The Decentralized AI Cloud

Unleashing Global Compute and User Sovereignty for an Unstoppable AI Future

AI is bottlenecked by two trillion-dollar problems: **a global shortage of compute power, and the centralization of models and data in the hands of a few. Ratio1 solves both.** We transform idle devices into a decentralized AI cloud, monetizing spare compute like ride-sharing transformed transport. But more critically, Ratio1 puts users fully in control of their AI - owning, encrypting, and deploying models without DevOps or cloud lock-in. Our meta-OS lets anyone build, launch, and scale AI apps in minutes - without sacrificing privacy, sovereignty, or simplicity. This is AI infrastructure reimagined: distributed, democratized, and unstoppable.

Vision: Ratio1 envisions a future where artificial intelligence is **open, permissionless, and accessible to all** - much like the internet itself. In this future, anyone can harness advanced AI without barriers, and creators own their data and intelligence rather than surrendering control to big tech. Ratio1's mission is to democratize AI by uniting people, hardware, and software in a decentralized ecosystem that empowers innovation at scale.

Today's AI landscape faces several critical hurdles keeping its potential locked away:

1 Scarce Compute & High Costs

Cutting-edge AI requires immense computing power, yet access is limited by a few cloud giants. GPU servers are expensive and often fully booked, creating a shortage of compute power. Paradoxically, millions of GPUs and CPUs sit idle in data centers and devices while demand surges – a massive inefficiency in resource utilization. This imbalance drives up costs and stifles smaller innovators.

2 Data Privacy & Ownership Risks

Using centralized AI services means handing over sensitive data and models to third parties. Users have little control or ownership; data can be monetized by providers or exposed in breaches. This lack of true data ownership undermines trust and hampers AI adoption, especially for enterprises with proprietary data.

3 Complex Deployment (DevOps Overhead)

Building and deploying AI applications is notoriously complex. It demands specialized ML expertise, managing infrastructure, and MLOps/DevOps work for scaling and maintenance. These technical and operational burdens slow down development and exclude those without deep technical teams.

4 Limited Incentives & Ecosystem

There's currently no easy way for independent hardware owners (from individuals with gaming rigs to smaller data centers) to contribute to AI development. Without a network to connect them to AI projects, their spare compute goes wasted and they aren't rewarded. Likewise, AI developers lack a ready community and infrastructure to plug into, impeding a vibrant AI ecosystem of collaboration and shared value.

Ratio1 is the world's first AI meta-OS - an integrated platform that combines decentralized blockchain technology with user-friendly AI tools to **unlock the next generation of AI cloud computing**.

Think of it as a "**ride-sharing for compute**": just as ride-sharing networks turn idle cars into transport services, Ratio1 turns idle computers into a global AI supercloud.

2 True Data Ownership & Privacy by Design

With Ratio1, users retain full control of their data and models at every step. All AI computations are executed in a non-custodial manner: inputs, outputs, and models can remain encrypted and only accessible by their owners. Not even node operators or Ratio1 itself can peek at the data, thanks to end-to-end encryption and secure enclaves. This means businesses and developers can deploy AI solutions without compromising on privacy or compliance. Your data stays yours, fulfilling a core tenet of AI democratization - users hold the keys to their intelligence.

4 Tokenized Incentive Model

To power this ecosystem, Ratio1 employs a token-driven economy. Contributors who provide computing power (node operators) are rewarded in Ratio1's native utility tokens for every AI job they execute. This "compute mining" creates a positive feedback loop, where more providers join to earn rewards, expanding available compute capacity for app developers. The token (often referred to as \$R1) fuels all transactions in the network – from processing workloads to accessing premium tools – aligning the interests of participants. By balancing supply and demand with market-driven token incentives, Ratio1 ensures a self-sustaining network where capacity grows as usage grows .

1 Decentralized Compute Network

Ratio1 orchestrates AI workloads across a worldwide network of independent node providers (the "drivers" in our ride-share analogy). Anyone from large data centers to individual PC owners can contribute spare GPU/CPU capacity. The protocol intelligently routes AI tasks to this distributed fleet, providing on-demand compute power that scales as needs grow. No single company controls the network, ensuring a trustless, censorship-resistant infrastructure for AI execution. This vastly improves scalability and resiliency while lowering costs by leveraging underutilized hardware.

3 AI Meta-OS - No DevOps Required

Ratio1 eliminates the traditional DevOps and data science overhead with its AI meta-operating system. The platform provides intuitive no-code and low-code tools to build, deploy, and scale AI applications in a few clicks. Complex tasks like setting up servers, configuring ML pipelines, or managing scaling are handled automatically by Ratio1's "AI OS". Developers and even non-technical users can launch AI apps without needing cloud expertise or large engineering teams. This dramatically speeds up time-to-market and lowers the barrier to entry for AI innovation.

5 Ecosystem & Community

Ratio1 is not just technology; it's an ecosystem strategy. The team is actively partnering with seed compute providers and launching pilot projects with early app developers to bootstrap the network's two sides (supply and demand). Cloud service providers and enterprises are engaged to offload some of their AI workloads to Ratio1's network, validating interoperability in real-world scenarios. At the same time, AI innovators and startups are invited to build on Ratio1, gaining easy infrastructure and a built-in user base. By fostering a community of contributors, developers, and strategic partners, Ratio1 aims to achieve critical mass and network effects early. This community-driven approach not only accelerates adoption but also underscores Ratio1's ethos: AI for the people, by the people - powered collaboratively.



Monetization Opportunities

Earn by contributing computing power, building AI apps or creating valuable content - your efforts are rewarded.



Security and Compliance

With blockchain technology at the core, we ensure secure, transparent operations and built-in compliance tools to keep everything on track.



Seamless Integration

Easily integrate with legacy systems existing platforms and support for web2 and web3 business models.



User Friendly Ecosystem

Intuitive methods and no-code to low-code tools offer anyone the means to build and deploy AI applications.



Decentralized Edge Computing

Utilize a global network of shared computing resources, turn your everyday devices into AI processing nodes (Ratio1 Edge Nodes - RENs).



Community

Through token-based incentives and a decentralized network, we encourage everyone to participate, share ideas, and push the boundaries of AI innovation together.



Cost Effective

Our trustless micro-transactions and decentralized computing reduces costs, making advanced AI affordable and accessible to all.



Fast Deployment and Scaling

Pre-designed templates and automated scaling lets you launch and grow applications in minutes.



Sustainability

We're committed to making AI greener by optimizing resources and reducing the environmental impact. With Ratio1, you're contributing to an eco-friendlier AI industry, to ensure a sustainable future for innovation.

Features on the market

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	GPU allocation or workload execution	VM or Container allocation	Microservice decentralized load balancing	Edge node internal plugin API	End-to-end app dev	External SDK (py, js, etc)	Homomorphic encrypted training and inference	Pre-build Open App templates
ratio 1	✓	✓	✓	✓	✓	✓	✓	✓
 Atoma Network	✓	✓	✗	✓	✗	✓	✓ (via TEEs)	✗
 gensyn	✓	✗	✗	✗	✗	✗	✗	✗
 Aethir	✓	✓	✗	✗	✗	✗	✗	✗
 The Render Network®	✓	✓	✗	✗	✗	✗	✗	✗
 THETA	✓	✓	✗	✗	✗	✗	✗	✗
 bittensor	✓	✓	some	some	✗	✗	✗	✗
 akash	✓	✓	some	some	✗	✗	✗	some
 fetch.ai	✗	✗	✗	some	✗	✗	✗	some
 SingularityNET	✓	✓	✗	✗	✗	✗	✗	✗
 ocean	✗	✗	✗	some	✗	some	✗	some
 DeepBrain Chain	✓	✗	some	✗	✗	some	✗	✗

In summary, Ratio1 stands out in the AI infrastructure space through several unique advantages.

By addressing these points, Ratio1's value proposition becomes clear: **it delivers the power of a cloud AI supercomputer with the freedom of decentralization**. In doing so, Ratio1 lowers costs, enhances privacy, and simplifies AI deployment for everyone from startups to large enterprises. It's a bold step toward **democratizing AI**, ensuring that the next generation of AI breakthroughs can come from anyone, anywhere – not just the tech giants.

1 Decentralization at Scale

A "compute-sharing" model that taps into global idle hardware, dramatically increasing available AI compute and reducing reliance on any single provider. This approach **scales infinitely and cost-efficiently**, much like how adding more drivers grows a ride-share network.

2 Data Sovereignty

Uncompromising data privacy and ownership for users. Unlike traditional clouds, Ratio1 never takes custody of your data or models - they remain encrypted and yours alone. This builds trust with enterprises and individuals concerned about confidentiality.

3 Developer-Friendly AI OS

A unified platform that abstracts away complexity. From drag-and-drop model deployment to one-click scaling, Ratio1's meta-OS makes sophisticated AI development **as simple as launching a web app**. This ease-of-use is a game-changer for rapid prototyping and deployment, opening AI development to a much wider audience.

4 Incentive-Driven Network

A built-in token economy aligning the interests of all participants. It economically rewards contributors (solving the incentive void) and attracts continuous supply of compute, ensuring **the network grows organically** alongside demand. This also decentralizes the ownership of the "AI cloud" among its users, rather than a corporation.

5 Holistic Ecosystem Vision

Ratio1 isn't just a product, but a growing ecosystem. Early partnerships with compute providers, integration paths for enterprises, and cultivation of an app developer community position it for **broad adoption**. This two-sided network effect - much like an app store or a marketplace - is designed to drive lasting momentum and innovation on the platform.

**Andrei Ionut Damian**

CEO

25+ years in AI, Serial entrepreneur, PhD in CS/AI & university lecturer at UPB – Data Science grad courses.

**Marius Grigoras**

Senior Technical Leader

15+ years in computer science, security, embedded, and distributed systems. Senior tech lead and entrepreneur focusing on infrastructure, blockchain, and AI.

**Petrica Butusina**

Senior Product Owner

A seasoned product owner and business developer with extensive expertise in blockchain technology, cryptocurrencies, NFTs, and digital design



Alessandro De Franceschi
Software Engineer

Expert in smart contracts, frontend, and backend, with a passion for secure and scalable Web3 solutions.



Alberto Bastianello
Software Engineer

Focused on high-performance solutions, with expertise in smart contracts, backend development and rigorous testing for reliable Web3 results.



Serban Macrineanu
Software Engineer

Experienced software engineer and blockchain developer with extensive expertise in decentralized applications.



Cristian Bleotiu

Data Scientist

Computer Science graduate specialized in NLP.
Crazy about competitive programming



Veaceslav Botezatu

Business Apps Lead

Over 25 years of experience designing and developing applications across web, desktop, and mobile platforms



Mihai Constantinescu

Creative Data Engineer

Seamlessly blends data engineering expertise with creative design, wrangling data while collaborating as the team's in-house designer.



Traian Ispir
DevOps/Infrastructure

Over 20 years of Enterprise architecture and
ICT leadership.



Vitalii Toderian
Machine Learning Engineer

Computer Science Engineering undergraduate,
MSc in AI/DS in preparation

Introduction into the Ratio1 tokenomics

The tokenomics of the Ratio1 are meticulously designed to enhance the ecosystem's durability and expansion. As a core utility ERC-20 token, the Ratio1 Protocol token (R1) functions as the principal currency facilitating transactions throughout the network. This tokenomics framework aims to reward all ecosystem contributors – developers, node operators, and users alike – encouraging active participation and sustained growth.

Since the Ratio1 Protocol token operates as a utility token rather than a security token, its primary function lies in facilitating operational activities within the Ratio1 ecosystem, rather than speculative trading. It empowers users to contribute computing power, access diverse services, deploy applications, and eventually partake in governance processes. Consequently, there has not been, nor is there any intention for, a Token Generation Event (TGE) or Initial Coin/Token Offering (ICO/IDO) associated with the Ratio1 Protocol token. All tokens, including those held in the Foundation's treasury, are distributed through Ratio1 Edge Node (REN) licenses (Node Deeds) and the Ratio1 Protocol decentralized application (dApp). These Node Deeds come in three forms: Genesis Node Deed (GND), Master Node Deed (MND), and Node Deed (ND).

NOTICE: The token reward system serves as an authentic Artificial Intelligence mining mechanism. It incentivizes your node's contribution, whether it's a personal PC, cloud VM, or data center hardware, to various aspects such as AI training, inference, endpoint provisioning, business rules execution, and protocol security. Your role, akin to manual labor, entails supplying power, provisioning hardware, installing software, maintaining the computer(s), and connecting the node(s) to the Internet, thereby supporting the protocol.



GND

Genesis Node Deed

The Genesis Node Deed (GND), a one-time issuance exclusive to the Ratio1 Protocol Foundation, activates “edge node zero” the Foundation’s virtual compute node. This activation is essential for generating tokens allocated to the publicly disclosed Foundation token pools described below. In essence, the GND acts as the cornerstone for launching the entire Ratio1 Protocol ecosystem.

MND

Master Node Deed

A specialized node license that will be allocated to both the development team and initial investors. This deed plays a pivotal role in supporting and sustaining the core functions of the ecosystem. The emission period for MND spans over a duration of more than 36 months.

ND

Node Deed

This license is available for public purchase and enables the operation of individual edge nodes within the Ratio1 Protocol ecosystem. These nodes are essential for powering and maintaining the network’s decentralized infrastructure. Unlike the emission strategy for MNDs, NDs are emitted at a faster rate, ensuring a longer vesting period.

R1

Pure utility token

Our utility token is intricately designed to serve as the fuel for the Ratio1 Protocol ecosystem, enabling a smooth and efficient operation across various functionalities. Here is an enhanced clarification of the utility token’s purpose and limitations:

- **Defined Utility:** The token acts as the operational gas required for processing jobs, allocating compute time, provisioning GPU resources, and acquiring licenses. It is essential for all transactional processes within the protocol, ensuring that each action is executed seamlessly.
- **No Financial Entitlements:** Holders of the token will not receive any form of financial returns such as dividends, profit shares, interest, or other benefits typically associated with investments in the DeFi space. The token is strictly a utility mechanism within the Ratio1 Protocol.
- **Exclusively Non-Investment:** The primary function of our token is to facilitate transactions within the Ratio1 Protocol’s ecosystem. It is specifically designed to support operational efficiency and is not intended for speculative trading or as an investment vehicle.

The Ratio1 Protocol Treasury

The Ratio1 Protocol treasury encompasses multiple pools designed to delineate the scope of resource allocation.

Internal Research & Development pool

Dedicated to funding ongoing research and development efforts that are central to the advancement of the Ratio1 Protocol. Investments from this pool ensure continuous innovation, improvement of existing technologies, and development of new functionalities within the protocol. It supports the technical team in enhancing the platform's capabilities and security features.

Hackathons and project grants pool

Specifically set aside to sponsor hackathons and provide grants for projects that contribute to the Ratio1 ecosystem. By funding these activities, Ratio1 encourages innovation and practical implementation of ideas that can enhance the ecosystem. This not only stimulates creativity within the community but also helps in identifying and nurturing potential projects that could be integrated into the Ratio1 Protocol Marketplace.

Marketing and community growth pool

Resources in this pool are allocated towards marketing initiatives and community engagement strategies. The focus is on building brand awareness, expanding user adoption, and fostering a strong, vibrant community around the Ratio1 Protocol. Efforts include online campaigns, partnerships, community events, and educational programs to attract and retain users and developers.

Social responsibility pool

Dedicated to initiatives that align with the Ratio1 Protocol's commitment to ethical practices and positive social impact. This includes contributions to causes such as sustainability projects, educational programs, and other community-enhancing projects. Through this pool, Ratio1 demonstrates its commitment to using technology for societal benefit and to promoting responsible AI and blockchain practices.

Ratio1 Protocol tokenomics allocation

The Ratio1 Protocol features a robust tokenomics structure with a fixed total supply of 161,803,398 tokens, a figure inspired by the Golden Ratio – a mathematical constant observed in natural and human-made structures, from the spirals of galaxies to the design of artworks and molecular structures. This number not only highlights the protocol's dedication to balance and sustainability but also symbolizes its commitment to organic growth and technological evolution. Finally, for us this particular number signifies the human-centric approach for advancement of AI and blockchain technologies.

Unique to our approach is the absence of token generation events such as TGEs or ICO/IDO events. Instead, the entire token supply will be fully mined, released through the contribution of computational power by participants who operate edge nodes. This method ensures a finite and transparent token distribution from the start, aligning with our goal of a fully decentralized and participant-driven ecosystem.

Token distribution is intricately designed around the issuance of licenses, referred to as Node Deeds, available in three distinct forms. This framework supports our protocol's philosophy and operational dynamics, fostering an equitable and scalable network.

Fixed Total Supply
161,803,398 

Tokenomics

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Category	Percentage	Price per token	Token source	No. of NFT	No. of ND	No. of MND
Private sale: partners / key investors	1.60%	\$0.1	MND	160		160
Private sale: smart money	9.00%	\$0.2	MND	900		900
Advisors, influencers, advocates	4.00%		MND	400		400
DEX pool	0.32%	\$0.3	GND			
CEX pool	7.00%		GND			
DEX extra pool	0.40%		GND			
Founding team	11.50%		MND	1,150		1,150
Internal R&D Pool WALLET	4.00%		GND			
Internal Marketing Pool WALLET	2.18%		GND			
R&D - grants* Pool WALLET	10.00%		GND			
Social WALLET	5.00%		GND			
PoAI (partial), PoO, PoA***	45.00%		ND**	5,000	5,000	

*separate from other grants that will be attracted in the ecosystem

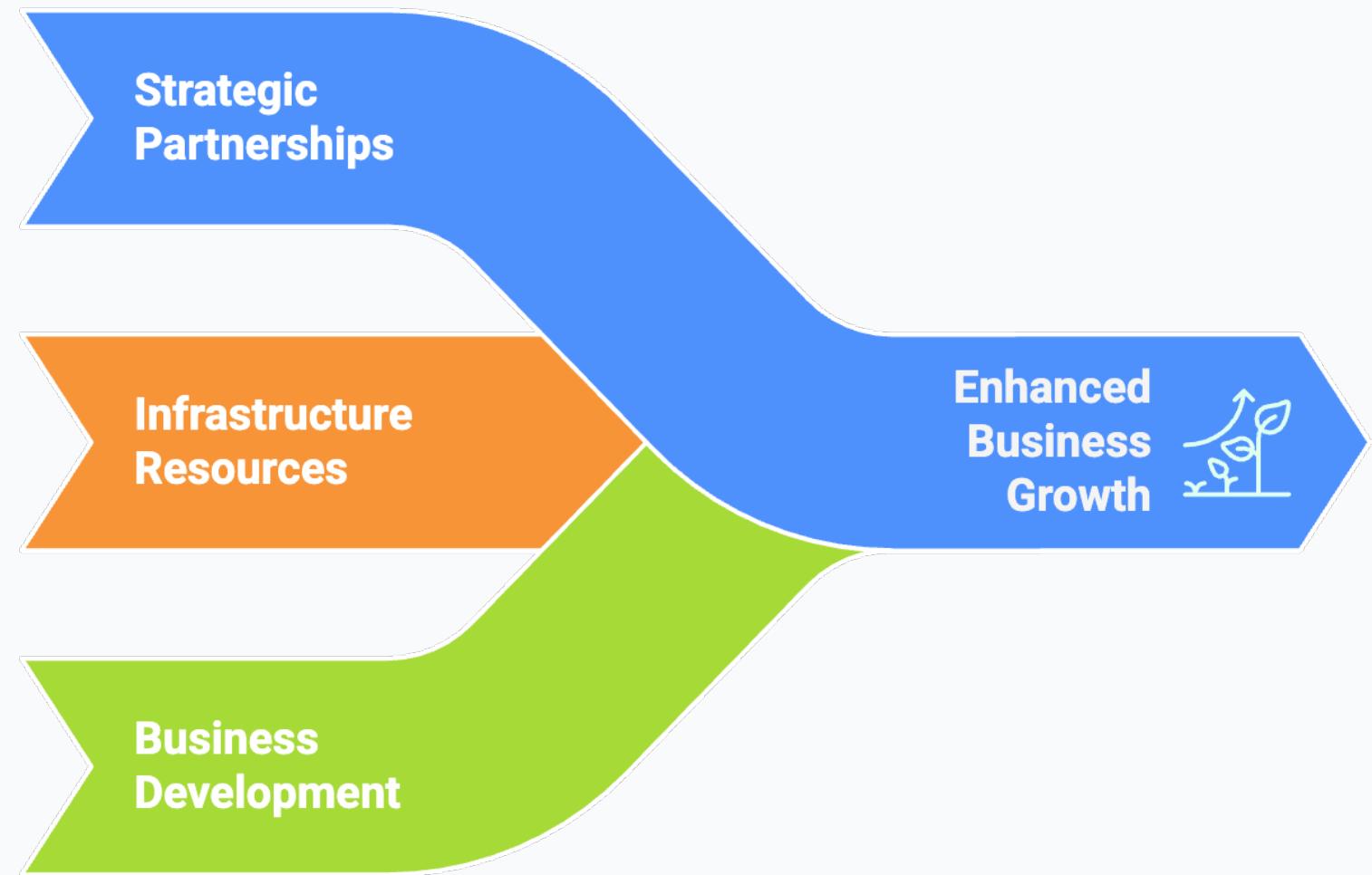
**the normal non-master Node Deeds will be released based on anti-inflationary policy with gradually increasing sale price. Normal Node Deed NFTs can be purchased only with R1 token (fiat denominated in R1). Pre-sale of Node Deeds is dependent of fungible token launch and DEX/CEX fiat-R1 conversion

***PoAI will gradually decrease from protocol reward + consumer fee to fully consumer fee. Following the distribution of proposed share all jobs will be rewarded only based on initiator funds

1 Building strategic partnerships for market access and visibility.

2 Leveraging infrastructure resources for operational efficiency.

3 Driving business development and adoption through partnerships.



Beyond financial investment, we are specifically looking for VCs who can support us in:

1 Strategic Partnerships, Market Access & Visibility

- Public recognition as a [trusted partner](#) to strengthen our credibility.
- We want partners whose presence in the tech or AI space can shine a spotlight on Ratio1, [amplifying our mission](#) of "AI for Everyone."
- Introductions to [other infrastructure-focused VCs](#) who can accelerate adoption.
- Potential introductions to [leading CEXs](#) for future listing opportunities (not a priority at this stage, but valuable in the long term).
- "Smart Money" investors bring attention not just by writing a check, but by [highlighting our cutting-edge technology](#) within their networks, [accelerating wider recognition](#) of our decentralized AI model.

2 Infrastructure Partnerships & Resource

- Connections with [cloud/data center providers](#) to integrate their offloaded workloads into [our decentralized infrastructure](#), leveraging unused compute power for AI jobs.
- We look for investors who could actively help secure the compute resources that power Ratio1's trustless infrastructure. We designed Ratio1 so that anyone, from data centers to independent node operators and/or enterprises can contribute and monetize spare compute capacity.

- An investor who can accelerate both supply (node providers) and demand (AI workloads) directly bolsters our cost efficiency, scalability, and global reach.
- Expansion into [enterprise-grade partnerships](#) that scale AI computation.
- "Smart Money" means not just injecting funds but ensuring the network of node providers keeps expanding, helping us stay green by [pooling resources](#) and [increasing efficiency](#).

3 Business Development, Adoption Support & Partnering

- Introductions to [enterprise clients](#) that require scalable AI workloads.
- Insights into [regulatory and compliance](#) structuring to streamline our global deployment.
- We value an investor's ability to [bring real-world use cases](#) onto the Ratio1 platform - ranging from SMEs migrating off costly legacy systems to larger companies building AI-powered applications. With its low-code toolsets, specialized templates, and token-based incentives, Ratio1 simplifies these innovations, making them easier to deploy.
- A truly strategic investor opens doors, [connecting us with new adopters, solution developers, and businesses](#) eager to leverage decentralized AI at scale.

The Ratio1 Protocol employs a unique anti-inflationary pricing strategy for its Node Deeds, which are essential NFT-licenses for each Edge Node within the ecosystem. This method systematically increases the cost of Node Deeds as more are purchased, ensuring that only genuine economic factors drive their acquisition. This tiered pricing model is designed to mitigate speculative buying and promote a stable growth environment for the network. For instance, the “Universal (no zone boundary)” Node Deed starts at a price of \$500 during the first tier with 89 units available. As demand increases and these initial units are sold, the price escalates to \$750 in the second tier for the next 144 units, and further to \$1,000 for 233 units in the third tier. This pattern of escalation continues across subsequent tiers, with prices sharply increasing up to \$9,500 by tier 12. Each tier follows a similar progression, reflecting the protocol’s commitment to controlling inflation and ensuring that Node Deeds are acquired for their intended utility rather than speculative purposes.

The approach not only aligns with Ratio1’s ethos of democratizing AI via blockchain but also ensures that the growth of the network is economically sustainable. By increasing prices as more deeds are purchased, Ratio1 effectively controls the rate of expansion, aligns Node Deed ownership with actual usage and contribution to the ecosystem, and secures the network’s long-term viability. This strategy exemplifies a thoughtful integration of economic principles with technological innovation, aiming to foster a robust and equitable ecosystem.

Tier	USD Price	Units	Value
T1	\$500	89	\$44,500
T2	\$750	144	\$108,000
T3	\$1,000	233	\$233,000
T4	\$1,500	377	\$565,500
T5	\$2,000	610	\$1,220,000
T6	\$2,500	987	\$2,467,500
T7	\$3,000	1,597	\$4,791,000
T8	\$3,500	2,584	\$9,044,000
T9	\$4,000	4,181	\$16,724,000
T10	\$5,000	6,765	\$35,197,500
T11	\$7,000	10,946	\$76,622,000
T12	\$9,500	17,711	\$168,254,500
Totals	46,224		\$315,271,500

1

Inovative

World's First AI meta-OS merging AI and Blockchain that seamlessly combines artificial intelligence with blockchain, giving you secure , decentralized ownership of your AI applications.

2

Inviting

Democratizing AI with no-code/low-code tools that allows you to build, deploy, and scale advanced AI apps in minutes.

3

Interactive

Transform everyday devices into AI servers enabling scalable and cost-effective AI without expensive infrastructure.

4

Incentive

Innovate or monetize within a blockchain-powered ecosystem by creating AI solutions or earning rewards through contributing computing power.

5

Involved

Sustainable and eco-friendly AI platform that uses already existing spare compute power for promoting long-term and sustainable environmental impact.

Ready to open the door to AI?

At **Ratio1**, we're all about making AI accessible, fun, and profitable for everyone. Join us and unlock the future of AI, today! Contact us at contact@ratio1.ai