

# monode

Whitepaper



## Information

Introducing Node Leveller, the groundbreaking leverage tool engineered by Miracle. For seasoned traders, Leveller offers the opportunity to amplify trading positions with borrowed funds, potentially leading to greater profits beyond what's achievable with personal capital alone.

For novices steering clear of the leverage market, Leveller becomes a source of passive income, garnering rewards each time it's utilized in crypto transactions. Regardless of your trading expertise, Leveller promises a win-win scenario for all. Invest in Node Leveller today and unlock the advantages of this innovative new offering.

## Abstract

Introducing the revolutionary Node System, where innovation meets opportunity in decentralized finance. At the heart of our platform lies the Node Product, offering users a gateway to unprecedented financial growth and engagement in the web3 space. With seamless integration, users can effortlessly register, log in, and manage their Nodes through our intuitive MiracleNodes website, unlocking possibilities.

With Node System, we empower users to take control of their financial future by running the Chronometer, a tool designed to maximize earnings and optimize performance. Through transparent and efficient administration and management actions, users can track reports and earned points and participate in our unique reward system, where every point earned translates to tangible benefits.

Our commitment to innovation extends beyond mere transactions; it's about fostering a community where every action counts. Join us as we pave the way for a new era of decentralized finance, one Node at a time. Stay tuned for our white paper release, where we delve deeper into the intricacies of the Node System and its transformative potential.

## Mission & Vision

The mission of the Node Ecosystem is to serve as a centralized framework that supports a diverse range of DeFi applications, simplifying the liquidity provisioning experience while enhancing user profitability through advanced technological solutions. The vision is to continuously expand this suite of applications, incorporating cutting-edge technologies that address the evolving challenges and opportunities within the DeFi space.

## Phoenic Decentralized Exchange

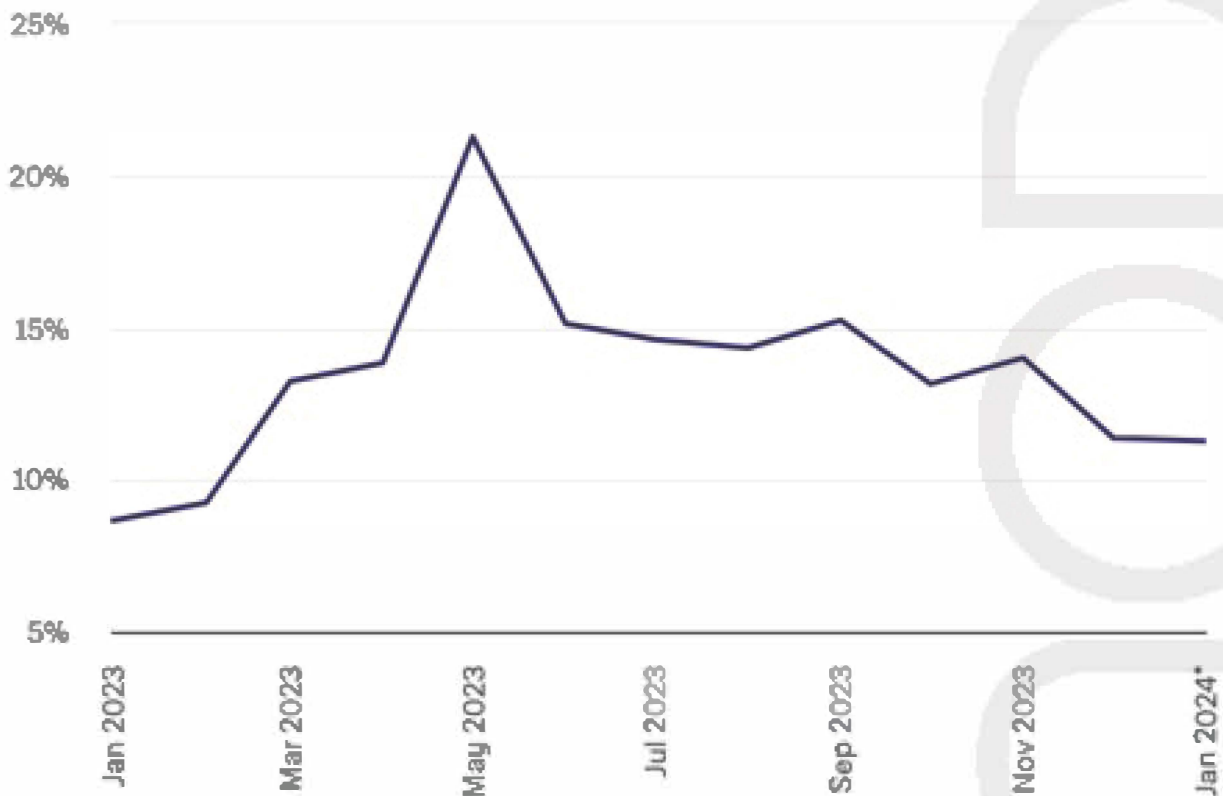
In recent years, the Phoenic Decentralized Exchange (DEX) has emerged as a formidable player in the crypto landscape. As the adoption of decentralized trading platforms continues to surge, there's a noticeable paradigm shift away from centralized exchanges. What once represented a mere 5% of total crypto trading volume compared to centralized counterparts has now become a substantial market share.



When we delve into the real trading volumes, excluding those attributed to market makers, DEXs command a noteworthy 10-25% slice. This exponential growth underscores the burgeoning demand for decentralized solutions within the crypto sphere. The Phoenix DEX stands at the forefront of this transformative movement, offering users unparalleled access to a decentralized trading environment that prioritizes security, transparency, and autonomy. Join us as we pioneer the future of crypto trading with Miracle Node/Leveller.



## DEX to CEX Spot Trade Volume (%)



SOURCES: THE BLOCK, THE GRAPH, COINGECKO  
UPDATED: JAN 8, 2024

ZOOM

ALL

YTD

12M

## Economy

This section outlines the economic principles underlying the proposed Web 3 ecosystem and emphasizes the significance NODES as its cornerstone. We delve into the specifics of the financial model, highlighting its essential components and strategies for fostering sustainability and growth.

This segment underscores the robustness and sustainability of our proposed Web 3 economic model. NODES at its core and innovative mechanisms such as Leveler payout, Buy and Burn, and Payment Gateway Switch, we are poised to cultivate a thriving ecosystem built upon principles of transparency, accessibility, and fairness. Through these concerted efforts, we aim to establish an economic framework that empowers participants and drives meaningful innovation in the Web 3 landscape.

<b>20,000 NODES</b> MINI NODES = 12/1 Raising \$130 million - \$150 million
<b>WEB 3</b> Leveler payout 20% of revenue Leveler Buy and Burn 20% of revenue
Miracle world <b>SWITCH PAYOUT</b> 5% of the transactional revenue is cost of switch.
2.5% goes to Nodes 2.5% goes to buy and burn

## Miracle Node

The Node Ecosystem is a dynamic and expandable platform, designed to support multiple decentralized applications (dApps) that enhance the DeFi experience. The ecosystem's foundational applications, Leveller and Miracle Swap, offer advanced trading strategies and market-making capabilities. With a vision for growth, the Node Ecosystem is structured to seamlessly incorporate new applications, continually enriching its offerings and providing users with a comprehensive suite of DeFi tools.

## Phoenix/DEX Leveller

Leveller is a decentralized protocol built on Avalanche. Leveller allows anyone to significantly boost the returns of Liquidity Providers (LPs) and mitigate risks.

Our Mission is to bring a full variety of instruments for Liquidity Providers across the DeFi Space in a single decentralized Application (dApp). These instruments include (but are not limited to) leverage, compounding, hedging, aggregation, and education.

Users can earn with Leveller in two ways:

**1. Become a Lender.** This is the easiest and safest way with predictable risks. By depositing assets, the user provides liquidity to be borrowed for Leverage. In this case, the user's APR depends on how much liquidity is borrowed (Utilization rate).

We use the following formula to gauge the rate:  $\text{Pool utilization} = \frac{\text{total borrow}}{\text{total deposit}} * 100\%$

The higher the Utilization Rate, the higher the APR will be paid out by Leverage Farmers. Potential risks: During 100% Utilization, users cannot withdraw funds until Farmers repay their debt.

**2. Become a Farmer (Leverage Taker).** This is a more sophisticated way that requires a deeper understanding of Liquidity Providing as it comes with greater returns and risks. Leveller Farmers (Leverage Takers) can leverage their positions on CLMM pools by borrowing from Lending Pools. Farmers can open CLMM positions within any range. To gain leverage on position, Farmers must select assets they would like to borrow (generally speaking, borrowing an asset essentially creates a short position). Maximum available leverage is 5x. This creates a risk of liquidation when Farmer's debt is equal to 0.9 of their notional position.

Leveller allows farmers to open any CLMM position with leverage so that they have access to a variety of strategies. Using USDT and AVAX as a trading pair pool, the potential strategies are as follows:

**Long AVAX Farming** is created by borrowing USDT followed by a purchase of AVAX with those same borrowed USDT assets.

**Short AVAX Farming:** This is created by borrowing AVAX and then selling to USDT using borrowed AVAX assets.

**Delta Neutral Farming** is created by proportionally equal borrowing of AVAX and USDT.

**Wide range Farming** is the safest strategy, requiring low position management but reduced capital efficiency since capital is spread over a larger range.

**Narrow-range Farming** is the most capital-efficient strategy, but it also has the highest risk of impermanent loss and requires high position management.

**Creating out-of-range positions:** This strategy has the biggest exposure to price change and is like leverage trading with ranged limit orders.

Nodes is your gateway to potential financial gain in the web3 world. It's an accessible way to bet on web3 products and everything Miracle builds in the decentralized space. Applications built on web3 are called decentralized applications. Just like we have different applications on our smartphones, in the web3 world, we have different applications called Dapps (Decentralized applications). Owning a node lets you benefit from revenue generated on those applications, with one of our first Dapps being Phoenix 'Leveller'. Leveller is a Dapp where passive investors can deposit their funds and generate an annual APY, while speculators can use those funds as leverage. Phoenix Leveller is one of many Dapps that Miracle will build on top of the Nodes. We're excited about the potential for financial growth and hope you are, too.

### **Phoenix Leveller**

Phoenix Leveller will be a state-of-the-art decentralized exchange designed to revolutionize the cryptocurrency trading experience. This platform is meticulously engineered to provide users with a seamless, intuitive, and feature-rich trading environment, catering to novice and experienced crypto traders.

Introducing Phoenix Leveller, a cutting-edge decentralized exchange poised to transform the landscape of cryptocurrency trading. Engineered to deliver a seamless, intuitive, and feature-rich trading environment, Phoenix Leveller caters to both novice and experienced traders alike.

One of its groundbreaking features is leveraged trading via smart contracts, marking a significant milestone in decentralized exchanges. As the first platform to offer this functionality, Phoenix Leveller opens new avenues for flexibility and strategy optimization in crypto trading. Anticipated to launch soon, Phoenix Leveller represents a new era in crypto trading, promising users unparalleled opportunities for financial gain in the web3 space. With a focus on accessibility and innovation, Phoenix Leveller is a gateway to explore and invest in the expanding world of decentralized applications, starting with its flagship Dapp, Leveller. Join us as we embark on this journey of financial growth and innovation and discover the potential of Phoenix Leveller to redefine the way we trade cryptocurrencies.

### **First-Ever Smart Contract Platform with Leveraged Trading:**

One of the most exciting features of the Phoenix Leveller is its pioneering leveraged trading through smart contracts. This groundbreaking functionality positions our platform as the world's first decentralized exchange to offer such a feature. It's a significant leap in the evolution of crypto trading, offering you increased flexibility and opportunities to maximize your trading strategies. We're sure this will pique your interest and excitement.

**Anticipated Launch: A New Era in Crypto Trading:** The anticipated launch date for the Phoenix Leveller will be a state-of-the-art decentralized exchange designed to revolutionize the cryptocurrency trading experience. This platform is meticulously engineered to provide users with a seamless, intuitive, and feature-rich trading environment, catering to novice and experienced crypto traders.

### **Miracle Swap**

Phoenix Leveller will be a state-of-the-art decentralized exchange designed to revolutionize the cryptocurrency trading experience. This platform is meticulously engineered to provide users with a seamless, intuitive, and feature-rich trading environment, catering to novice and experienced crypto traders.

Miracle Swap is a noncustodial automated market maker implemented for the Avalanche Blockchain Solution. Compared to any of the currently available CLMM (Uni V3—Constant product formula) versions on ETH or other L2 protocols, Miracle Swap provides two main advantages over the competition. These two differences are huge enhancements for the liquidity providers, increasing liquidity and reducing user complexity and impermanent loss.

But first, let's quickly look at the two prominent MM solutions.

### **Automated market makers (AMM) - CLMM VS DLMM**

AMM is the fundamental foundation upon which all liquidity rests in Defi. Currently, there are 2 popular types of market makers models. DLMM (Dynamic Liquidity Market Maker) and CLMM (Concentrated Liquidity Market Maker).

DLMM uses constant sum invariant ( $x+y=L$ , where  $x$  is the quantity of asset X,  $y$  is the quantity of asset Y,  $L$  is the amount of liquidity in the bin, and  $P$  is the price defined by  $P=\Delta y/\Delta x$ )

Whereas CLMM (V3 Uniswap) uses a constant product ( $x*y=k$ , where  $x$  is the quantity of asset X,  $y$  is the quantity of asset Y,  $k$  is the constant product), which makes it distinctly different from DLMM. This in return, brings the following core changes:

- Bins use constant sum invariant instead of constant product.
- Liquidity is aggregated vertically instead of horizontally.
- Liquidity positions are fungible.

Because of the above core changes, we start facing newly created issues, bringing forward strong drawbacks from both a technical standpoint and UX. For example, (i) a very strict EVM limitation blocks how many bins can be active within a single position. This, in turn, forces users to open several positions to widen their range - far from the ideal user experience. (ii) Even though the Dynamic Fee rate on DLMM is introduced to deal with the headache of having to choose between many of the same trading pair pools that simply are differentiated by their fee - it still doesn't solve the problem in its entirety. In earlier CLMM versions, users had to struggle and understand what fee rate to choose, while in DLMM, even though it is now dynamic, the user is fighting with "Bin Steps," where the same trading pair might have 4 or 5 identical pools with only "Bin Steps" differentiating them. In turn, not much has changed for the user.

We conclude that if dynamic fee rates and a compounding feature were added to CLMM, CLMM would have a much clearer edge over DLMM.

### **Challenges and Solution**

#### **(i) Auto Compounding on CLMM (Uniswap V3):**

The main and initial challenge we aim to tackle concerns the optimal reinvestment of trading fees. Current Liquidity Market Maker models allow trade fees to accumulate within the pool without contributing to its liquidity. This accumulation, indicative of successful trades, represents a static resource—not actively participating in market dynamics or augmenting the pool's liquidity until manually reinvested by liquidity providers (LPs).

At its core, this challenge revolves around the idle nature of accumulated fees. Essentially, fees that could be working to increase the pool's liquidity and enhance its trading volume remain dormant. This static approach to fee management limits the growth potential of LP investments to a linear trajectory, significantly underutilizing the compounding potential inherent in these accumulated fees.

The solution envisages an auto-compounding mechanism that transforms idle fees into an active pool liquidity component. This transition from a passive to an active reinvestment strategy places LPs on a path to exponential growth and increases the pool's trading volume capability. Automating the reinvestment process ensures that the pool's liquidity is continuously optimized, responding dynamically to market conditions and trading activities.

This proposed mechanism introduces two key benefits:

**Exponential Growth for LPs:** By automatically reinvesting trading fees, LPs remove the necessity to micromanage their positions, which reduces the time spent collecting and reinvesting fees and increases yield over time due to the compounding effect on their investments.

**Enhanced Trading Volume and Liquidity:** The continuous reinvestment of fees into the pool increases its liquidity, decreasing slippage for traders and allowing for higher trading volumes, thanks to an exponential fee growth that gets added back into the pool at every swap.

Our initiative is centered on addressing this inefficiency by leveraging the inherent dynamics of CLMMs. We aim to implement an innovative auto-compounding mechanism that actively utilizes trading fees to bolster the pool's liquidity, facilitating a more fluid trading environment. This approach is designed to enhance the yield potential for LPs through a more efficient fee reinvestment strategy and contribute to overall market efficiency by ensuring liquidity is dynamically aligned with market needs.

By focusing on this technical enhancement, we aim to set a new standard in the management and optimization of liquidity pools, ensuring that the DeFi ecosystem evolves to meet the sophisticated needs of its participants.

## **(ii) Dynamic Fee Rate on CLMM (Uniswap V3):**

Defi Market Makers offer LPs (Liquidity providers) the opportunity to generate profits through liquidity provision fees. Currently, in Uniswap V3, this fee is set as a static value. Generally, a user would have to choose between many different pools of the same trading pair, with the only differentiator between them being "Fee Rate."

This change creates 3 main problems.

- During times of volatility, impermanent loss (The difference between the number of tokens a user would have had if the user only kept his tokens solely in one asset) is felt more significantly for users who set a lower fee rate with hopes of capturing larger volume.
- During more stable periods, the Fee is too high, making it less likely that other users will use his liquidity, thus hurting profitability.
- With a Fixed Rate, the user is forced to observe and actively manage his account, switching between different fee rates to suit the right environment.

The addition of a Dynamic algorithm to CLMM model is not a trivial matter. Some of the earliest designers of the AMM's and their primitive versions have had quite a hard time coming up with an adequate solution. It's best to visit Guillaume Lamber's paper to familiarize yourself with the issue and its underlying impacts. One of the articles can be found here : <https://lambert-guillaume.medium.com/designing-a-constant-volatility-amm-e167278b5d61>

Miracle Swap deals with this issue by tracking volatility directly from inside the pool and comparing current volatility against 2 past time points. Such an approach helps to get a smoother reference of "Volatility" without putting too much weight on immediate volatility spikes. This, in turn, maintains a friendlier UX experience for the Liquidity provider as well as much richer liquidity, which mitigates slippage. Fewer pools mean deeper liquidity.



## Marketing Strategy

Miracle's sales strategy for the Phoenic Node / Leveller is an innovative blend of traditional and cutting-edge digital marketing techniques aimed at maximizing brand exposure, accelerating adoption rates, and attracting potential investors. Key components of our approach include:

- 1. Social Media Engagement:** Utilizing social media platforms as primary tools for reaching a broad audience, we engage users through consistent, relevant content and interactive campaigns.
- 2. Search Engine Optimization (SEO):** Implementing SEO strategies enhances our website's organic traffic and visibility, making it easier for potential investors to find us online.
- 3. Influencer Marketing:** Collaborating with influential personalities in the digital space, we leverage their reach and credibility to introduce our token to their substantial followings.
- 4. Content Marketing:** Creating high-quality, reusable content across various platforms strengthens our brand image and builds customer confidence.
- 5. Press Releases:** Regular press releases highlight key milestones and achievements, attracting media attention and enhancing public recognition.
- 6. Crypto Marketing Agencies:** Engaging with agencies specialized in cryptocurrency marketing provides expert guidance and accelerates our marketing efforts within the industry.
- 7. Partnerships and Collaborations:** Building long-term partnerships within the industry fosters mutually beneficial relationships, enhancing our reach and credibility.
- 8. Email Marketing:** This remains a cornerstone of our engagement strategy, keeping our audience informed and loyal through targeted and personalized communication.
- 9. Website as a Marketing Tool:** Our website is a crucial element of our digital marketing strategy, serving as the primary online presence and a key driver for traffic and sales.
- 10. Celebrity Endorsements:** Celebrity endorsement, also known as celebrity branding or celebrity advertising, is a marketing strategy that will use a celebrity's fame and image to promote our brand and token. Other use cases can include not-for-profit organizations that leverage a celebrity's fame to raise awareness or funding around a cause.

Through these diverse and synergistic strategies, Phoenic Node / Leveller and Miracle Cash & More aim to create a dynamic and effective sales ecosystem for the Phoenic Token, ensuring its successful introduction and sustained growth in the market.

## Future Expansion

Plans include introducing applications that might focus on areas such as algorithmic trading, insurance, and cross-chain operations, further diversifying the ecosystem's capabilities. Each new application will be designed to synergize with the existing tools, enhancing the overall functionality and user experience.

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## Team Experience

Miracle Cash & More is a dynamic and innovative financial technology company that seamlessly integrates its services into retail stores, point-of-sale (POS) systems, ATMs, and selling tokens on purchase contract operations. With a solid foundation and a visionary approach, Miracle Cash & More aims to revolutionize the financial landscape and drive significant growth in the next five years.

The company's comprehensive service suite caters to businesses and individuals, offering seamless and secure financial transactions at retail stores and via POS systems. Through strategic partnerships with major retailers, Miracle Cash & More has successfully deployed its cutting-edge technology, providing convenient and efficient financial services to customers around the globe. In addition to its strong presence in its physical retail locations, Miracle Cash & More has strategically expanded its reach into the digital realm, enhancing accessibility through fintech apps and online platforms. This multi-channel approach enables customers to effortlessly access their accounts, make payments, and perform in-store or remote transactions.

Miracle Cash & More's success can be attributed to its commitment to regulatory compliance and its possession of licenses to conduct business in several countries. These regulated licenses ensure legal and secure operations and foster trust among customers and partners. The company maintains a steadfast focus on adhering to international financial regulations, enabling it to provide services to a broad range of global markets.

Recognizing the demand for inclusive financial solutions, Miracle Cash & More has also ventured into selling tokens on purchase contract services. Leveraging its extensive customer data and advanced algorithms, the company offers personalized loan products, helping individuals and businesses access the capital they need to grow and succeed. With a credible track record, a customer-centric approach, and a dedication to technological advancement, Miracle Cash & More is poised for exceptional growth in the next five years. By continuously expanding its network of retail stores, enhancing its POS systems, scaling its ATM infrastructure, and leveraging its selling token on purchase contract capabilities, Miracle Cash & More aims to become a global leader in the fintech industry, transforming how people access and manage their finances.

## Roadmap

