Welcome to GooseFX

What is GooseFX?

GooseFX is your ultimate DeFi destination on Solana for trading perpetual futures and experiencing our innovative single-sided liquidity pools. Our mission is to streamline your DeFi journey, offering a seamless platform to trade and earn yields effortlessly.

Our single-sided liquidity pools mark a significant advancement in yield earning. Gone are the days of the traditional 50/50 asset split & the hassle of constant management. With GooseFX, you can simply stake a single token in our pools and earn rewards daily!

In addition to our groundbreaking SSL pools, GooseFX proudly features a fully on-chain Centralized Limit Order Book (CLOB) based DEX. This platform revolutionizes the way you trade derivatives with utpo 10x leverage, ensuring a robust and efficient trading experience.

Key Features

- **Perpetual Futures DEX based on a CLOB design (not AMM or synthetic)**
  - Upto 10x leverage
  - Lowest Fee on Solana
  - Incentives for Market Makers
- **Single Sided Liquidity Pools**
  - Earn yields by staking a single token
  - Instant deposit and withdrawals
  -

Daily rewards

- **Stake GOFX - Earn USDC (Revenue Sharing)**

The Team

Our team at GooseFX comprises skilled engineers led by Rust experts with over eight years of experience. Our senior engineers, seasoned in traditional finance, specialize in algorithmic trading and quantitative analysis. Initially focused on CEX market making, we pivoted to DEX market making and arbitrage, leveraging our diverse expertise in engineering, finance, and databases to innovate in the DeFi space. We found Solana to be the most performant chain meant for traders and with a background in Rust, we decided to build a protocol on top of our MM activities.

Our goal at GooseFX has always been simple *Keep a community first DeFi protocol. This is illustrated by our user first tokenomics with fee share and burn mechanisms.*

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Stake Rewards & Fee Share

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🔍 Risks & Disclaimer

There are inherent risks with any great undertaking, especially in the crypto space. These are the major risks that we are aware of at present.

Impermanent Loss

Due to the constant fluctuation in the price values of asset pairs, impermanent loss (IL) is an inherent risk in our system. While complete avoidance of IL is currently impossible, our platform strives to minimize it as much as possible.

Initial Liquidity

Sufficient liquidity is essential in our pools to facilitate swaps. In cases of insufficient liquidity for large swaps, we rely on backup sources like team treasury to provide backstop liquidity to continue operations.

Smart Contract Risk

The possibility of bugs or exploits in smart contracts or the user interface, leading to potential fund losses.

Blockchain Network Risk

Risks associated with the ongoing development of the underlying blockchain network, including operational, security, and technological uncertainties.

Oracle Risk

Dependence on external price feeds, with the risk of incorrect data leading to wrongful liquidations.

Failure to develop

There is the risk that the development of the GooseFX platform will not be executed or implemented as planned, for a variety of reasons, including without limitation the event of a decline in the prices of any

digital asset, virtual currency, or GOFX, unforeseen technical difficulties, and shortage of development funds for activities.

Security weaknesses

Hackers or other malicious groups or organizations may attempt to interfere with GOFX and/or the GooseFX platform in a variety of ways, including, but not limited to, malware attacks, denial of service attacks, consensus-based attacks, Sybil attacks, smurfing, and spoofing. Furthermore, there is a risk that a third party or a member of the Company, the Distributor, or their respective affiliates may intentionally or unintentionally introduce weaknesses into the core infrastructure of GOFX and/or the GooseFX platform, which could negatively affect GOFX and/or the GooseFX platform.

Uncertain Regulations and Enforcement Actions

The regulatory status of the GooseFX platform, GOFX, and distributed ledger technology is unclear or unsettled in many jurisdictions. The regulation of digital assets has become a primary target of regulation in all major countries in the world. It is impossible to predict how, when, or whether regulatory agencies may apply existing regulations or create new regulations concerning such technology and its applications, including GOFX and/or the GooseFX platform. Regulatory actions could negatively impact GOFX and/or the GooseFX platform in various ways. The Company, the Distributor (or their respective affiliates) may cease operations in a jurisdiction if regulatory actions, or changes to law or regulation, make it illegal to operate in such jurisdiction, or commercially undesirable to obtain the necessary regulatory approval(s) to operate in such jurisdiction.

Disclaimer

(d) is not intended to represent any rights under a contract for differences or under any other contract the purpose or pretended purpose of which is to secure a profit or avoid a loss;

(e) is not intended to be a representation of money (including electronic money), security, commodity, bond, debt instrument, unit in a collective investment scheme, or any other kind of financial instrument or investment;

(f) is not a loan to the Company, the Distributor, or any of their respective affiliates, is not intended to represent a debt owed by the Company, the Distributor, or any of their respective affiliates, and there is no expectation of profit; and

(g) does not provide the token holder with any ownership or other interest in the Company, the Distributor, or any of their respective affiliates.

Notwithstanding the GOFX distribution, users have no economic or legal right over or beneficial interest in the assets of the Company, the Distributor, or any of their affiliates after the token distribution.

Deemed Representations and Warranties: By accessing the Litepaper or the Website (or any part thereof), you shall be deemed to represent and warrant to the Company, the Distributor, their respective affiliates, and the GooseFX team as follows:

(a) in any decision to acquire any GOFX, you shall not rely on any statement set out in the Litepaper or the Website;

(b) you will and shall at your own expense ensure compliance with all laws, regulatory requirements, and restrictions applicable to you (as the case may be);

(c) you acknowledge, understand, and agree that GOFX may have no value, there is no guarantee or representation of value or liquidity for GOFX, and GOFX is not an investment product nor is it intended for any speculative investment whatsoever;

(d) none of the Company, the Distributor, their respective affiliates, and/or the GooseFX team members shall be responsible for or liable for the value of GOFX, the transferability and/or liquidity of GOFX, and/or the availability of any market for GOFX through third parties or otherwise; and

(e) you acknowledge, understand, and agree that you are not eligible to participate in the distribution of GOFX if you are a citizen, national, resident (tax or otherwise), domiciliary, and/or green card holder of a geographic area or country (i) where it is likely that the distribution of GOFX would be construed as the sale of a security (howsoever named), financial service or investment product and/or (ii) where participation in token distributions are prohibited by applicable law, decree, regulation, treaty, or administrative act (including without limitation the United States of America and the People's Republic of China); and to this effect you agree to provide all such identity verification document when requested in order for the relevant checks to be carried out.

The Company, the Distributor, and the GooseFX team do not and do not purport to make, and hereby disclaims, all representations, warranties, or undertaking to any entity or person (including without limitation warranties as to the accuracy, completeness, timeliness, or reliability of the contents of the Litepaper or the Website, or any other materials published by the Company or the Distributor). To the maximum extent permitted by law, the Company, the Distributor, their respective affiliates, and service providers shall not be liable for any indirect, special, incidental, consequential, or other losses of any kind, in tort, contract or otherwise (including, without limitation, any liability arising from default or negligence on the part of any of them, or any loss of revenue, income or profits, and loss of use or data) arising from the use of the Litepaper or the Website, or any other materials published, or its contents (including without limitation any errors or omissions) or otherwise arising in connection with the same. Prospective acquirers of GOFX should carefully consider and evaluate all risks and uncertainties (including financial and legal risks and uncertainties) associated with the distribution of GOFX, the Company, the Distributor, and the GooseFX team.

Informational purposes only: The information set out herein is only conceptual, and describes the future development goals for the GooseFX platform to be developed. In particular, the project roadmap in the Litepaper is being shared to outline some of the plans of the GooseFX team and is provided

solely for INFORMATIONAL PURPOSES and does not constitute any binding commitment. Please do not rely on this information in deciding whether to participate in the token distribution because ultimately, the development, release, and timing of any products, features or functionality remains at the sole discretion of the Company, the Distributor, or their respective affiliates, and is subject to change. Further, the Litepaper or the Website may be amended or replaced from time to time. There are no obligations to update the Litepaper or the Website or to provide recipients with access to any information beyond what is provided herein.

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Cautionary Note on forward-looking statements: All statements contained herein, statements made in press releases or in any place accessible by the public, and oral statements that may be made by the Company, the Distributor, and/or the GooseFX team, may constitute forward-looking statements (including statements regarding the intent, belief or current expectations with respect to market conditions, business strategy and plans, financial condition, specific provisions and risk management practices). You are cautioned not to place undue reliance on these forward-looking statements given that these statements involve known and unknown risks, uncertainties, and other factors that may cause the actual future results to be materially different from that described by such forward-looking statements, and no independent third party has reviewed the reasonableness of any such statements or assumptions. These forward-looking statements are applicable only as of the date indicated in the Litepaper, and the Company, the Distributor as well as the GooseFX team expressly disclaim any responsibility (whether express or implied) to release any revisions to these forward-looking statements to reflect events after such date.

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Last updated 4 months ago

FAQs

FAQs from our social channels to assist with knowledge sharing about the GFX project.

Project FAQs

What is GooseFX?

- GooseFX is a one-stop super app on Solana for trading, swaps, NFTs, and single sided liquidity pools. You can view our socials at linktr.ee/goosefx
  - Deposit a single asset to earn yields!
  - Perps DEX on Solana, with the best fee structure!
  - NFT Agg.
  - Stake $GOFX earn $USDC
  - Buyback and Burn mechanism for $GOFX
  - Check out our blog for detailed info

1. **What market is the $GOFX Token traded on?**
   - Please refer to the markets on CoinGecko
   - **Contract Address:** GFX1ZjR2P15tmrSwow6FjyDYcEkoFb4p4gJCpLBjaxHD
2. **What is the total supply of $GOFX tokens?**
   - Check real time total supply
3. **What is the circulating supply of $GOFX tokens?**
   - Check real time circulating supply
4. **Who is the team behind GooseFX?**
   - 12+ full-time engineers who have all been in crypto for multiple market cycles.
5. **Does GooseFX burn tokens, and if so, how?**
   - A small percentage of the fees generated from our SSL pools goes to our Buyback and Burn mechanism
6. **How is revenue generated and distributed on GooseFX?**
   - Our revenue is generated across our 3 platforms which is then distributed amongst liquidity providers, $GOFX stakers, for our Buyback and Burn mechanism and much more! You can read about this in detail on our documentation

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GooseFX Perps

1. **What are the features of GooseFX's Perpetual Futures Exchange?**
   - GooseFX's Perpetual Futures Exchange is based on a Centralized Limit Orderbook or CLOB model as opposed to AMM based.
   -

We also offer up to 10x leverage, competitive fees, and advanced order types like IOC (Immediate-Or-Cancel) and Take Profit.

2. **What are the fees associated with trading on the Perpetual Futures DEX?**
   - At GooseFX, we offer competitive fees for trading on the Perpetual Futures DEX. Takers are charged a fee of 0.04%, while makers enjoy zero fees for providing liquidity to the market with rebates for adding liquidity. The maker rebates operate on a tiered based system regarding which, the details can be found in our Market Maker Program Incentive
3. **What assets can be currently traded on GooseFX's Perpetual Futures Exchange?**
   - Currently, only SOL-Perp can be traded on our Perps Dex. However, we'll be adding BTC-Perp and ETH-Perp markets very soon!

GooseFX NFT Aggregator is now obsolete

1. ~~**Which NFT collections are supported on GooseFX's NFT Aggregator?**~~
   - ~~GooseFX's NFT Aggregator supports the top 100 NFT collections based on market cap. Additionally, we regularly update this list every 2 weeks to include trending NFTs. This ensures that users have access to a diverse range of popular and in-demand NFT collections on our platform.~~
2. ~~**What does our NFT Aggregator offer?**~~
   - ~~Our NFT Aggregator provides aggregated data from all metaplex auction house markets. Users can also access GooseFX appraisal values for their NFTs on supported collections.~~
   - ~~Additionally, they can list, bid, and buy their NFTs on GooseFX's permissionless auction house contract.~~
3. ~~**What is GooseFX's Appraisal Engine?**~~
   - ~~GooseFX's Appraisal Engine is a tool that assists users in determining the fair market value of their blue-chip NFTs. By utilizing precise, data-driven valuations, our Appraisal Engine ensures that users receive accurate and reliable assessments for their NFTs.~~

$GOFX Stake Rewards

1. **How often are staking rewards distributed?**
   - Daily around 10AM UTC
2. **How can I stake GOFX tokens?**
   - Follow our detailed guide
3. Does GooseFX burn tokens, and if so, how?
   - A small percentage of the fees generated from our SSL pools goes to our Buyback and Burn mechanism
4. How is revenue generated and distributed on GooseFX?
   -

- Our revenue is generated across our 3 platforms which is then distributed amongst liquidity providers, $GOFX stakers, for our Buyback and Burn mechanism and much more! You can read about this in detail on our documentation

GooseFX Farm SSL

1. **What are the risks involved in farming on GooseFX?**
   - Learn about the risks in SSL pool
2. **How is the APY for staking calculated, and why is it so high?**
   - Our SSL pools work as an on-chain market maker and thus generate revenue from swap fees as well as arbitrage profits generated from the spreads between pool and oracle prices all while offering the best swaps to users.
3. **Can GooseFX launch a pool for a specific token X?**
   - A token should fulfill 2 basic requirements to be listed on our SSL Pools: Should have a Pyth price feed Should have consistent $1Million+ in daily volume
4. **Do rewards auto-compound?**
   - No we recommend you to claim rewards once or twice everyday and deposit again if you wish to compound.
5. **Why are the deposits sometimes more than 100% of the capacity?**
   - Since the deposits are native tokens like mSOL, SOL, BONK etc., these can fluctuate in prices resulting in an increase in deposits over the capacity.
   - Secondly, it could also happen if the last user depositing into the pool, deposits X tokens over the caps. Example: If the USDC pool has a deposit cap of 100 USDC and it is currently at 95 USDC (i.e 5 USDC to hit our deposit caps), and a user comes and deposits 15 USDC, our SSL pool won't restrict his deposits to only 5 USDC. They would be able to deposit their 15 USDC after which the deposit caps would hit and deposits would be restricted.
6. **Why do rewards change for SSL Pools?**
   - If a user comes in and deposits a large amount of liquidity, it leads to dilution of rewards further lowering your current rewards by a bit. We recommend claiming rewards at least once a day!
7. **What should I do if I encounter the 'Fetching Accounts' error?**
   - To fix this, try either a hard refresh or switching your RPC node.
8. **I am not able to withdraw / claim rewards.**
   - You might have deleted the token account of the token you want to withdraw. Example atleast have 1 BONK in wallet if you are trying to claim or withdraw the token.

Last updated 5 months ago

Perpetual Futures

GooseFX Perpetual DEX

Ui Design / GooseFX Perps DEX

Unleash your trading potential with GooseFX Perpetuals

The ultimate decentralized future trading experience on Solana. Allowing you to capitalize on market opportunities and take control of your positions like never before. Elevate your decentralized trading game with GooseFX Perpetuals.

Understanding GooseFX Perpetuals: Documentation

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🕵️‍♂️ Understanding Perpetual Futures

What are Perpetual Futures?

Perpetual Futures are a type of derivative contract in the decentralized world of cryptocurrency trading. They are similar to traditional futures contracts but with a key difference: Perpetual Futures do not have an expiration date. This means that traders can hold their position for as long as they want without worrying about the contract expiring.

Allowing traders to speculate on the price of an underlying asset, such as Bitcoin, without actually owning the asset. By using leverage, traders can control a large position with a relatively small amount of capital. In a perpetual future contract, a trader can go long, meaning they expect the price of the underlying asset to rise, or short, meaning they expect the price to fall.

For example, imagine Alice believes that the price of Bitcoin will increase in the near future. She enters into a perpetual future contract with a leverage of 10x, meaning for every $1 she invests, she controls $10 worth of Bitcoin. If the price of Bitcoin rises by 10%, Alice will make a profit of $1, which is 10% of her $10 investment. On the other hand, if the price of Bitcoin falls by 10%, Alice will suffer a loss of $1. It's important to note that with leverage comes risk, and traders must be careful to manage their positions to avoid significant losses.

Why use Perpetual Futures?

- Perpetual futures offers a flexible and convenient way to trade underlying assets
- Hedging against price movements and managing asset exposure is possible
- Ease of leverage trading
- No pre-specified delivery date required, reducing the need for constant position management.

The Basics

Discover the Power of Perpetual Futures with GooseFX

Unlock the potential of perpetual futures, or "perps," versatile derivatives that derive their value from an underlying asset. GooseFX's state-of-the-art platform offers a variety of applications for perps, including leverage, speculation, arbitrage, and hedging. Plus, all perpetual futures on GooseFX are securely backed by USDC as collateral.

Elevate your trading game with GooseFX by capitalizing on price movements in both directions. Go long or short on assets to manage risk or make strategic bets, all while enjoying up to 10x leverage. With a 100 USDC deposit, you'll gain access to an impressive 1000 USDC in purchasing power.

This unique advantage of perps makes them an alluring option for leveraging, allowing you to risk minimal capital while standing to achieve substantial returns. Embrace the world of perpetual futures with GooseFX, and transform your trading experience with this powerful financial instrument.

Go Long (Buy a Perp)

When you buy a perp, you're anticipating that its price will rise. As the perp's value mirrors that of its underlying asset, any increase in the asset's price boosts the perp's worth. Imagine you foresee $SOL's price going up and want to profit from this upward trend; simply go long by buying the $SOL perp. As the $SOL price rises, so does your position's value.

Go Short (Sell a Perp)

Conversely, selling a perp means you expect its price to fall. Just as with going long, the perp's price closely follows its underlying asset. If you predict a decline in $SOL's price and aim to profit from this downward movement, go short by selling the $SOL perp. As the price of $SOL drops, your position's value increases.

Is Trading Spot Markets Less Risky?

Think Again! While it may seem that spot market trading is less risky, that's not always the case. For instance, if you wanted to make a $1,000 trade in the spot market, you'd need to risk the full $1,000 of your capital.

In contrast, trading a perp allows you to risk only a portion of your capital while retaining the same potential for profit. This also applies to risk management. Instead of allocating a large sum of your

capital to safeguard your portfolio, you can use perps to protect it with significantly less collateral. By trading perpetual futures, you can optimize your capital usage while still achieving your desired level of exposure and risk management.

Diversify Your Trading Strategy with Perps

Perpetual futures offer traders an excellent opportunity to diversify their strategies and explore new ways of capitalizing on market movements. Whether you're a seasoned investor or new to trading, perps can help enhance your portfolio's performance by providing additional options for leverage, speculation, and hedging.

Ready to Dive In?

Unlock the potential of perpetual futures and elevate your trading experience. Embrace the flexibility and versatility of going long or short with perps, and seize the opportunities offered by these exciting financial instruments. Don't miss your chance to explore this captivating world of trading and embark on a journey toward greater financial rewards.

Last updated 5 months ago

Cross-Collateral Deposits

At GooseFX, we understand that having the ability to trade and manage multiple assets is crucial for our traders. That's why we support cross-collateral token deposits for our Perpetual Futures markets.

With cross-collateral deposits, traders can deposit USDC, SOL and BTC which can then be used as margin within the Perpetuals Markets. The market quotes are in USD and the P&L is settled in USDC.

Last updated 5 months ago

Risk Parameters

Risk Engine

The Risk Engine is an automated system that monitors your positions and the collateral supporting them. The main role of this system is to liquidate positions when the collateral in your account is not sufficient to support the loss of the position.

How Does the Risk Engine Work?

When you take a position on our platform, you deposit collateral as a guarantee against any potential losses. This deposited collateral must be substantial enough to sustain the position, otherwise, you risk getting liquidated.

The Risk Engine monitors this situation. If it calculates that the deposited collateral is not enough to sustain the position, it triggers a liquidation process. The threshold at which the Risk Engine will liquidate a position is if the collateral cannot support a loss of more than 10x.

Preventing Liquidation

To prevent your positions from being liquidated, make sure you have enough collateral deposited in your account. You should always be prepared for market volatility and have extra collateral to sustain unexpected market movements.

The goal of the Risk Engine is to protect your account from major losses. Be aware of your positions and manage your collateral efficiently to keep your trades profitable and your account healthy.

Price Bands

In GooseFX, to protect users during volatile events and prevent market manipulation, markets will prevent orders from being filled if the oracle-mark price breaches the 10% band of the oracle's 5-minute exponentially weighted moving average price (EWMA). If the mark and the 5-minute oracle EWMA diverge by 10%, markets will pause until the price reverts back within this band.

Formulas are defined as follows:

```
Oracle-mark divergence = (mark - oracle) * max_spread
```

`Oracle-EWMA-mark band = within 10% of mark - oracle_ewma_{5 minutes}`

Further risk parameters are also set out in Risks & Disclaimer.

Last updated 1 year ago

Margin

Margin refers to the collateral required to open and maintain a position in a perpetual futures contract. A trader must have a sufficient amount of margin in their account to maintain a position. In the event of price fluctuations, if the margin falls below a certain level, the trader may their account. In case of price fluctuations, if margin falls below a certain level, traders must add more collateral to avoid liquidation. Liquidation occurs when margin falls below the maintenance margin level.

Example: In GooseFX DEX, Alice wants to open a long position in Bitcoin worth $1000. Alice must have a margin of 10% of the opened position, which in this case is $100. To open the position, Alice must deposit $100 as collateral to ensure she can cover any potential losses. The leverage used in this example is 10, meaning Alice can control $1000 worth of Bitcoin with only $100 of collateral.

As the price of Bitcoin changes, the value of Alice's position also changes. If the price of Bitcoin decreases and Alice's margin falls below the liquidation level, GooseFX DEX will automatically close Alice's position to protect against further losses. This is known as liquidation, and Alice will lose the remaining value of her margin.

Perpetuals	Initial Margin (Margin Ratio / Leverage)	Maintenance Margin (Margin Ratio / Leverage)
SOL-PERP	10% / 10x	5% / 20x

💰 Funding Rates

Perpetual futures contracts are a type of futures contract that never expires. To enforce convergence with the index price of the underlying asset, funding rates are used to balance the market. In a perpetual futures contract, funding rates are periodic amounts of an asset paid between short and long traders who hold positions in the contract.

Funding Rates Calculation and Payment

Funding rates on GooseFX DEX are recalculated every hour. Traders will only pay or receive funding if they hold a position at one of these times. If the position is closed prior to the funding exchange, traders will not pay or receive funding.

The Formula for calculating the Funding Payment is:

```
Funding Amount = (Oracle Price - Orderbook Price) * min(1, Elapsed Time/ Full Funding Period)
```

where;

- Oracle Price is the price fetched from the oracle.
- Orderbook Price is the average of the best bid and best ask prices.
- Elapsed Time is the time passed since the last funding time.
- Full Funding Period is the total duration of the funding period. *Since our Funding Payments are made on an hourly basis, the full funding period is 1 Hour.*

The Importance of Funding Rates

It is important to pay attention to funding rates when trading perpetual futures contracts on GooseFX. Depending on the amount of leverage used, funding rates can have a big effect on a trader's account. In fact, depending on their leverage, a trader's position may get liquidated if they are unable to pay for funding.

For more insights into Funding Rates, check out our blog here.

Oracles

GooseFX utilises Pyth as an oracle source. The protocol has the flexiblility to update and customize as necessary on a per market basis.

Last updated 5 months ago

Liquidations

What is Liquidation?

Liquidation is a process in leveraged trading that occurs when a trader's position falls below its required Minimum Maintenance Margin. In the context of GooseFX DEX, traders who use leverage are borrowing funds from the platform to increase their exposure to a particular asset.

To ensure the stability of the platform and to protect against potential losses, GooseFX DEX requires traders to maintain a minimum amount of collateral in their account, known as the Minimum Maintenance Margin. If a trader's position falls below this level, the platform will trigger a liquidation process to take over the position and use the remaining collateral to settle any potential losses.

It is important for traders to keep an eye on their position's value and margin levels to avoid liquidation. The Insurance Fund, which is created by liquidation fees, may also be used to settle losses in the event of a rapid price movement or if liquidations do not happen in time.

Example

- *Alice open's a long position on BTC at $20,000 dollars with 10x leverage using $100 USDC*
- *The position value is $1000 USDC long on BTC, with $100 USDC in margin/collateral*

The current maintenance margin of your position is calculated by total collateral / position size.

Here, that would be 10% as 100 / 1000.

If the maintenance margin of your position drops below the Minimum Maintenance Margin, your position will be eligble for liquidation by liquidators.

🏦 Insurance Fund

What is Insurance Fund?

The Insurance Fund is a safety mechanism in GooseFX perps DEX that protects against levered losses sustained by traders in the platform. It acts as a backstop to maintain the solvency of the exchange in case of any bankruptcies.

The Insurance Fund is funded by premiums collected from liquidation fees & trading fees. The fund is used to pay off liabilities when an account becomes bankrupt. If the losses incurred are greater than the balance of the Insurance Fund, the losses will be socialized among participants, such as perpetual traders, in proportion to their deposits or positions.

Why is Insurance Fund necessary?

The Insurance Fund is necessary to protect against levered losses sustained by users of the platform. It serves as a safety net in the event that a user's account has more unrealized losses than available collateral, which may occur during particularly volatile market conditions when accounts with insufficient margin may not be liquidated in time or at their zero-price. The insurance fund acts as a solvency buffer, ensuring that there are sufficient funds to pay out profitable positions in the event of a bankruptcy.

What is Socialised Loss?

Socialized Loss occurs when the losses sustained on a platform are shared among all the deposits and/or positions of the users. It only happens when the leveraged losses in a particular market are greater than the token balance of the Insurance Fund, meaning that deleveraging was not sufficient to ease the outstanding debt.

In such a scenario, the losses incurred are shared among participants: Perpetual Traders are paid pro-rata (by base amount) by all open positions.

⚖️ Single Sided Pools

Revolutionizing DeFi with Single-Sided Liquidity Pools and Concentrated Liquidity Swap

Welcome to GooseFX - a novel DeFi solution that incorporates a brand new *Single-Sided Liquidity or SSL pool design* and a unique swap utilising a new *flexible liquidity mechanism*. *SSL or Single Sided Liquidity pools* are pools where users can provide **only one type of asset to earn yield** rather than requiring both assets as opposed to traditional liquidity pools.

This platform aims to reshape the DeFi landscape by enhancing user experience and market efficiency, ensuring optimum returns for liquidity providers or *LPs* and traders alike. Our objective with the SSL pools is to elevate and streamline the user experience for yield generation while at the same time ensuring optimum and sustainable returns for the liquidity providers.

Single-Sided Liquidity v2: Sustainable and Efficient Real Yield

GooseFX is proud to launch the second iteration of its Single-Sided Liquidity provision, GooseFX SSL v2 called Dynamic SSL. SSL v2 builds on top of the strong foundation of GooseFX SSL v1, with innovative features like concentrated liquidity, and loss protection. This version introduces innovative safeguards and functionalities, revolutionizing the user experience while providing LPs even greater protection and capital efficiency.

Traders, on the other hand, can leverage the best price combinations made possible through our integration with the Jupiter Swap aggregator.

Last updated 5 months ago

Dynamic Single-Sided Liquidity Pools

GooseFX SSL v2: Advanced Single-Sided Liquidity Pools

Introducing Single Sided Liquidity Pools v2

Tutorial on How to Deposit Funds into v2 SSL Pools

Introduction

GooseFX is proud to unveil the second iteration of its Single-Sided Liquidity (SSL) provision, GooseFX SSL v2.

SSL or Single Sided Liquidity pools are liquidity pools where users can provide **only one type of asset to earn yield** rather than requiring both assets as opposed to traditional liquidity pools.

This version builds upon the features of GooseFX SSL v1 and boosts these capabilities with innovative functionalities to grant the liquidity providers or *LPs* even greater protection and capital efficiency.

> *Note: Our SSL v2 is currently in closed beta. To get access to it, visit our twitter thread*

Overview

This overview presents a brief look into the key features of the latest version of our offering - SSL v2 and how it has improved upon its former version.

> *To deposit your assets into SSL v2, check out our Farm page*

Better SSL Swap Pricing

- Our exchange rates are based on **enhanced price references**. This ensures users get a fair trade value for any assets. The system also uses historical data and some manual settings to decide these rates.

Improved SSL Pool Organization

- SSL Pools are now **grouped by domains**, allowing them to easily trade with each other. The PoolRegistry manages these groupings and settings of each pool. Only pools in the same group can trade with each other.

Easy Participation in SSL Liquidity

- We've simplified the process for users to **become liquidity providers**. By making a special account for an SSL Pool, users can *deposit or withdraw their funds anytime*. They also get a share of the fees as a reward, which they can collect *anytime*.

Primary and Secondary Tokens in SSL Pools

- Every SSL Pool has a **main token**, which is its primary source of funds. There are also other assets in the same group called **"secondary" tokens**. The system first tries to use *secondary balances for trading* and if that's not possible, it uses the main funds with certain restrictions.

Keeping Track of Price History

- We have special accounts to record historical prices, which are updated regularly. These prices come from reliable sources such as **Pyth oracles**.

Effortless Swaps Within Pools

- We have a new feature allowing easy transfers between pools for **best fund distribution**. This uses the latest price data to ensure trades are fair and accurate.

Original Features from GooseFX SSL v1

GooseFX SSL v2 continues to uphold the avant-garde benefits introduced in GooseFX SSL v1. These encompass *single-sided liquidity provision, auto-compounding, and intelligent market-making* using both pool and oracle prices.

Conclusion

GooseFX SSL v2 is a big stride in Solana DeFi, delivering an **upgraded and intuitive liquidity provision experience**. The *v2 version* not only preserves the merits of *v1* but also infuses new functionalities for **advanced risk management and capital productivity**.

Last updated 8 months ago

FAQ SSL v2

Common questions are answered here, for more discussion message on Discord

What is Single-Sided Liquidity?

- Single-sided liquidity is a revolutionary AMM that allows you to deposit a single asset to earn auto-compounded yield. The yield is derived from the arbitrage profit from the spread between the quoted oracle and pool price and the swap fee.

  We use a proprietary advanced market making algorithm we developed and tested for several months. This math logic gives us a superior edge in quoting for best prices and therefore generating substantial fees on swaps along with arbitrage. Due to this, we are also capital efficient and thus can outperform other AMMs. All fees and volume are done on chain and can be verified if there are any doubts. APY can change with the amount of users/liquidity in the pools. It is ratio based as well as a proponent of fees generated which are split amongst pool participants.

What is the difference between stable, primary, and hyper pools?

- The distinction between stable, primary, and hyper pools lies in the types of assets they hold. Stable pools are composed of stablecoins, primary pools house prevalent ecosystem tokens, while hyper pools cater to more volatile assets.

What are the risks?

- The risks associated with single-sided liquidity are price inventory risk which is common for any market maker. This risk occurs when the price of the assets used for market making declines in value in excess of the fees generated.

  The SSL system is designed to not have impermanent loss. However, with our new type of single sided liquidity automated market maker there is risk that we call "Token Exposure Risk". Before we explain what Token Exposure Risk is, let's define some terminology.

  Main Pool Token : The main pool token of a pool is the token that is deposited into the pool by liquidity providers. For e.g. the main pool token of a SOL pool is SOL.

  Secondary Token : A secondary token is any token that is not the main pool token for a pool. An example: For the SOL pool, BONK is a secondary token. And for the BONK pool, SOL is a secondary token.

Token Exposure Risk is defined as a pools exposure to secondary tokens. For example, let's say that a user interacts with a SSL SOL pool by swapping her BONK into SOL. Until the SOL pool has gotten rid of the BONK tokens either by making another swap, the value of the SOL pool will experience change depending on the movement in BONKs price. If BONK goes up in value as compared to SOL, then the pool value will increase, while if BONK goes down in value as compared to SOL, then the SOL pool will experience a value decrease. Even if token exposure risk can result in a value increase of the pool, our purpose is profitable market making and not speculation on price movements. Therefore, rules and thresholds are in place to control the amount of token exposure risk our pools are exposed to in order to maximize the exposure to market-making profits.

How are LP fees distributed?

- 50% of fees are sent directly to LPs in the native asset of the token pool. The rest of the fee distribution details can be found in our Fee Share docs.

How is APY calculated for SSL Pools?

- APY is calculated based on the swap fees generated by the liquidity pools on a 3 day rolling average. The APY provides an indication of the potential returns that LPs might earn over a year from profit/loss of marketing making and arbitrage. It is calculated on a three-day basis and then annualized. The SSL system is designed so that impermanent loss doesn't occur, but because of the occasional exposure that the single-sided pools get due to trading, there is some risk. We control the token exposure risk using thresholds and by updating the prices we quote in order to balance the trade-off between profitable market-making and holding inventory.

Are the SSL Yields Incentivized?

- No. The yield generated by our single-sided liquidity pools is composed of the swap fee as well as the profit and loss from market-making activities.

Are there controls in the program that prevent the MM strategy from withdrawing more than a certain amount from the pools to float?

- Yes, there is a max drawdown per pool and this value is dependent on the volatility of the asset where it will be lower for stables and have a higher tolerance for volatile assets.

Bob and Alice Numerical Example

Initial Setup

1. Bob: Starts with $1000, wants to buy SOL.

2. Alice: Has deposited in an SSL pool and will earn fees from transactions.
3. Swap Fee: Set at 0.1%. Transaction Details

Transaction Details

1. Bob's Action:
   - Wants to buy SOL with his $1000.
   - GooseFX offers the best swap rate at $50/SOL. The market rate (oracle price) is $50/SOL, and the SSL pool rate is $49.98/SOL.
2. Bob's SOL Purchase:
   - Buys SOL at $50 per SOL.
   - Total SOL bought = 1000/50 = 20 SOL.
   - Swap fee = 0.1% of $1000 = $1.
3. Bob's Final Balance:
   - Ends up with 20 SOL.
4. Earnings for Alice (LP):
   - From the swap: Swap fee = $1.
   - From the price difference: Profit per SOL = $0.02 (since Bob bought at $50/SOL while pool price was $49.98/SOL).
   - Total profit from price difference = 20 * 0.02 = $0.40
   - Total earnings = Swap fee + Price difference profit = $1 + $0.40 = $1.40. Final Balances and Earnings

Final Balance and Earnings

1. Bob:
   - Started with $1000.
   - Ended with 20 SOL.
   - Successfully swapped his USDC for SOL at a competitive rate.
2. Alice (Liquidity Provider):
   - Earned a total of $1.40 from Bob's transaction.
   - This amount is added to her assets in the SSL pool.

SSL Withdrawal Fee Structure Update

As part of our continuous efforts to enhance the security and efficiency of our platform, we have introduced a new withdrawal fee mechanism designed to mitigate specific vulnerabilities associated

with atomic transactions involving deposit, swap, and withdrawal actions. This update is crucial for maintaining the integrity of asset pricing within our liquidity pools.

Purpose of the Withdrawal Fee

The new withdrawal fee addresses a vulnerability where liquidity providers (LPs) could engage in atomic transactions—depositing, swapping, and withdrawing within the same transaction—to manipulate the quoted price of the input asset unfavorably. This manipulation not only affects the fairness of the trading environment but also undermines the overall stability of the liquidity pool.

Fee Structure

The withdrawal fee is dynamically calculated based on a timed decay model, effectively reducing the fee to 0% over a predefined period. This period is set to a day, measured in 216,000 slots.

Initial Fee and Decay Factor

- **Initial Fee:** The withdrawal fee starts at 2% at the time of the deposit.
- **Decay Factor:** The fee is subject to a decay factor, calculated as follows:

$$[\text{Decay Factor} = (1 - \frac{t}{T})]$$

Where:

- T is the total interval for the fee application (216,000 slots in this case).
- t is the elapsed time since the last deposit, measured in slots.

Examples

- At $t = 0$ (the same slot as the deposit), the withdrawal fee is at its maximum of 2%.
- At $t = T/2$, the fee would decay to 1%, demonstrating the gradual reduction in the fee over time.

Implementation Details

To accommodate this new fee structure, we've added a new field to the liquidity account. This addition is backward compatible since the field is initialized as 0, ensuring that no existing LPs are unfairly subjected to withdrawal fees if they deposited just before the upgrade.

Last updated 3 months ago

🖼️ NFTs

NFT Aggregator Deprecated [DEC 2023]

To Delist NFTs use one of the links below.

GFX AH Contract v1 https://feature-nft-v1-depr.doi1f799swne9.amplifyapp.com/nfts/profile

GFX AH Contract v2 https://feature-nft-v2-depr.doi1f799swne9.amplifyapp.com/nfts/profile

Deprecating NFT Aggregator

Dear GooseFX Community,

After thorough deliberation, we have decided to phase out the NFT Aggregator from GooseFX. This decision aligns with our strategic focus to intensify our efforts and resources on enhancing our core DeFi offerings, including the SSL pools and Perpetual Futures DEX.

Our journey in the NFT space has been incredibly rewarding. We've collaborated with various projects, contributing significantly to the advancement of the NFT ecosystem. We extend our deepest gratitude to everyone who has been part of this exciting journey.

What This Means for Our Users:

- **De-listing or Selling NFTs**: We encourage our users to de-list or sell any NFTs they currently hold on our Auction House contract.
- **Continued Focus on DeFi**: The retirement of the NFT Aggregator marks a new chapter for GooseFX, allowing us to channel our energy and innovation into DeFi services, notably the SSL pools and our Perpetual Futures DEX.

We appreciate your understanding and support as we make this transition. Our commitment to providing an exceptional DeFi experience remains steadfast, and we are excited about what the future holds for GooseFX and our community.

Warm regards,

The GooseFX Team

Last updated 4 months ago

Nest NFT Aggregator

NFTs on GooseFX: A Unified Marketplace and Aggregator

NFT Aggregator Deprecated [DEC 2023]

The rapid growth of the NFT space signals a pivotal change in how we interact with art, collectibles, music, and in-game assets. GooseFX leverages this opportunity to foster the NFT and creator economy within the Solana ecosystem.

Our Goose Nest NFT marketplace aims to create a harmonious space where digital creators, physical makers, and blockchain NFT markets can thrive. We strive to build a platform that caters to all these sectors individually and collectively.

The Nest marketplace employs the cutting-edge Metaplex auction house contract. This contract transforms the way users engage with their NFTs. It allows NFT owners to maintain custody of their assets while they are listed on the marketplace and while receiving offers. The contract also supports self-executing auction house listings, eliminating the need for users to manually accept offers. This innovative contract significantly improves market efficiency, facilitates market-wide listings, and minimizes user intervention in transaction execution.

A unique aspect of this contract is the profound understanding of collection pricing it offers, leading to better liquidity data in the form of active bids. This redefines the concept of the "floor price" for NFT collections, shifting its meaning towards sell pressure rather than being a primary data point. This contract holds immense implications for both collectors and sellers, driving a shift toward this new NFT marketplace standard.

GooseFX recognizes the vast potential in the overlap of digital content creation and licensing, especially in the game development and 3D printing sectors. We aim to be the marketplace hub for all creators in the Solana ecosystem. From picking out basic game assets for metaverse projects to purchasing NFTs and their corresponding file types for replication, the Nest marketplace supports both the digital and physical creator economies.

Our NFT aggregator integrates with several Metaplex auction house contracts, including Magic Eden, Tensor, and Hyperspace, featuring the most popular collections. Additionally, our NFT appraisal engine provides valuations for these popular collections, further enhancing our platform's value proposition.

Nest Marketplace Launch Functionality:

- Basic search and filter functionality by collection, attribute, prices, verified creators, and more.
- Creator signup and verification.
- NFT Collection Registration and Listing.
- Ability to bid on listed and unlisted NFTs.

Dive into the world of NFTs with GooseFX, your trusted partner in the ever-evolving blockchain landscape.

Last updated 4 months ago

Nest NFT Launchpad

NFT Aggregator Deprecated [DEC 2023]

PAGE
NFTs

At GooseFX we pay close attention to problems which plague the NFT ecosystem, in particularly what our customers desire but might not fully comprehend; such as mint botting and rug insurance. With our launchpad implementation we are taking a number of unique steps forward for the NFT scene as a whole on Solana with thoughtful mechanics and optionality to help increase transparency for both creators and collectors.

Launchpad Features

- Multicurrency support (SOL and USDC)
- Optional Creator Vesting
- Mint Freeze Period
- Unique Civic Captcha Pass enforced mints
- Wallet-Based On-chain Whitelist
- Hidden Reveal

First, we are introducing multi-currency support for our Launchpad so collectors can choose which asset they want to hold during market fluctuations without being locked into a particular crypto to participate in mints.

Second, we will introduce Option Creator Vesting for mint funds. We feel this option will offer collectors more confidence in the projects they choose to mint. Creators can assign milestones, and vesting time lines to show off how they are intending to build their community post mint. This can also including a voting mechanism for communities to propose refunds if projects fail to hit their promised project deliverables or choose to abandon them completely.

Third, our newly designed and unique mint process has both anti-botting and fairness in mind. The mint process starts with a pre-defined mint queue period, where users are required to complete a captcha to get into line for the mint. We have partnered with Civic, and utilize their Captcha Pass functionality for this feature. During this mint queue period only one mint transaction per address is allowed to promote

fairness and access to as many interested parties as possible. After the period is complete that queue of mint transactions is sent through to be processed, and we open up the Candy Machine for any un-minted NFTs, which become First Come First Serve.

Fourth, we will be adding various whitelist perks to benefit platform users. This will include guaranteed whitelist spots for all Tier 6 NestQuest NFT holders, as well as a "Golden Ticket" whitelist component. The Golden Tickets will be sold and distributed through our marketing promotions and ticket holders will be able to register for whitelist spots as we prepare for project launches.

Most recently, we added the Hidden Reveal feature to give creators added flexibility during their mints. This feature enables a default image to be utilized for the collection mint, until a specified future time when all of the NFTs will become visible to the minting users. This interaction ads another bit of mystery for minters and allows for more coordinated mint events.

Future Enhancements

Civic Facial Scan - Proof of Uniqueness Whitelisting - We are still investigating this option, and think that there may be a future use for this technology in NFT mints

Creator Vesting Schedule Templates and Refund Voting Process - Because of how unique and new this feature is we are researching the best ways to implement these processes in a meaningful way to serve their intended purpose.

Last updated 4 months ago

🖼️ NFT Appraisal API Documentation

If you have any additional examples or added documentation that we could add please reach out to a team member in discord! We would love to include it.

NFT Aggregator Deprecated [DEC 2023]

🖼️ PAGE
NFTs ›

Background - NFT Appraisal As a Service

For the past six months, we have been building what we believe to be one of the world's most accurate appraisal engines for non-fungible tokens. By combining mathematical modeling and machine learning, we have built an NFT appraisal tool with an R2 score of 0.92. We are currently packaging the model into a service we are calling the “GFX NFT Appraisal Engine”, which will be available from a web interface and through an API at https://appraise-my-nft.goosefx.io.

The GFX Appraisal Engine supports four distinct call inputs:

- **GFX Specific Rarity Appraisal** - a unique appraisal value taking into account attributes and rarity of a specified NFT
- **GFX Collection Appraisal** - a new appraisal value applying to any generic NFT in a collection. This is intended to replace the collection floor price metric as a much more appropriate data point.
- **Collection Mint ID List** - Returns the complete collections mint ID list
- **GFX Appraisal Supported Collections List** - Returns a complete list of Appraisal Engine-supported collections.

Let's look at the examples below for more details.

Usage Examples

GFX Specific Rarity Appraisal

To get a real-time valuation (in SOL) of any NFT belonging to one of these collections, get a token_id, for instance, AVrGwmwkQkoaCBx3UcAhDHca9hJReEtjaG797UY5yHtp for SMB #664, and then call the API with the ID, like so:

https://appraise-my-nft.goosefx.io/?address=AVrGwmwkQkoaCBx3UcAhDHca9hJReEtjaG797UY5yHtp

To get a response in the following format.

{"AVrGwmwkQkoaCBx3UcAhDHca9hJReEtjaG797UY5yHtp":248.62337219046563}

This amount of 248.63 represents the Specific Rarity Appraisal of the #664, SMB NFT in Solana.

GFX Collection Appraisal

We have also developed a collection level appraisal metric that tracks the bottom quantile of NFT sales over time. This results in a metric that resembles some characteristics of the commonly used “floor price”, but with less volatile fluctuations and fewer possible attack vectors for price manipulation, meaning that our appraisal engine is well suited to build products around.

The Collection Appraisal call takes in the collection name to return the value. replace the Collection name from the example call below and viola!

For instance, to get the Collection Appraisal of the Solana Monkey Business collection, call the API like this: https://appraise-my-nft.goosefx.io/?address=Solana+Monkey+Business

And you get the response: {"Solana_Monkey_Business":234.94823853138848}

This amount of 234.94.. represents the GFX Collection Appraisal for the SMB collection.

Collection Mint ID List

Much like above, just swap out the collection names and use the "+" for spaces to utilize this call.

https://appraise-my-nft.goosefx.io/?get_token_ids=Pesky+Penguins
appraise-my-nft.goosefx.io

Collection Mint ID List

All Supported Collections List

https://appraise-my-nft.goosefx.io/available_collections
appraise-my-nft.goosefx.io

Currently Supported Collections for GFX Appraisal Engine

Currently, the Appraisal Engine Supports these collections:

- Solana Monkey Business = "Solana+Monkey+Business"
- Thugbirdz = "Thugbirdz"
- Pesky Penguins = "Pesky+Penguins"
- Degen Ape Academy = "Degenerate+Ape+Academy"
- Degods = "Degods"
- Doge Capital = "Doge+Capital"
- Famous Fox Federation = "Famous+Fox+Federation"
- Stoned Ape Crew = "Stoned+Ape+Crew"
- Aurory = "Aurory"
- Blocksmith Labs = "Blocksmith+Labs"
- Catalina Whale Mixer = "Catalina+Whales"
- Cets on Creck = "Cets+On+Creck"

Planned enhancements: We will be adding to this service in the coming months as we get new features defined and built out. Stay tuned!

Last updated 4 months ago

🤝 Market Maker Reward Program

Rewards Program for Market Makers

Our Market Maker Reward Program is designed to incentivize liquidity provision and reward active participants.

Program Fees

As a market maker on GooseFX, you enjoy competitive fee structures that encourage active participation and liquidity provision.

Maker Fee: 0.02% (2bps)
Taker Fee: 0.04% (4 bps)

These are base fees, rebates are below based on volume.

Tiered Rebate Structure:

Our Market Maker Program operates on a tiered system based on your trading volume over the past 7 days. The more volume you contribute, the higher your tier and the greater your maker rebate.

Tier	7D Volume Requirement	Maker Rebate	Taker Rebate
1	5% of exchange maker volume	-0.01% (-1 bps)	0%
2	10% of exchange maker volume	-0.02% (-2 bps)	0%
3	15% of exchange maker volume	-0.03% (-3 bps)	0%

Maker Token and Cash Bonus

As an additional reward, we offer a Maker Token and Cash Bonus to our top market makers for Perpetual Futures on a weekly basis. By achieving high trading volumes, you can earn significant bonuses.

Rank	7D Volume Requirement	Cash Bonus	$GOFX Bonus
1	Top market maker for the week	$500 USDC	10,000 GOFX
2	Second largest share of maker volume	$250 USDC	5,000 GOFX
3	Third largest share of maker volume	$100 USDC	2,500 GOFX

Please note that the cash and token bonuses are subject to change based on program updates and market conditions.

Uptime Requirement

Minimum $2.5K USD notional depth on both sides of the book ($5K USD in total) within a 40bps spread. Market makers must meet this requirement for 90% of the epoch for all markets currently listed.

Join the Market Maker Program: Drop a DM on @GooseFX1

By becoming a market maker, you contribute to the overall liquidity and efficiency of our platform while enjoying reduced fees and bonus rewards. Join the program today and be part of the vibrant ecosystem of GooseFX!

Last updated 3 months ago

🏅 Perps Leaderboard

Learn about how we calculate points, loyalty, and PnL

Our loyalty system is designed to reward active users. Your loyalty score starts at 0% and increases as you engage more on the platform. Earn loyalty points based on your trading volume and trading frequency. The more you trade and participate, the higher your loyalty score will be.

More Volume → More POINTS
Trade Regularly → Higher LOYALTY
Higher Loyalty → More POINTS
Higher PnL→ Does **NOT** affect points

Categories of Points

We display three types of points:

- 24hr points: All points collected within the last 24 hours.
- 14D points: All points collected within the last 14 days.
- Total points: All points collected over your lifetime on GooseFX Perps [Devnet].

Reward Distribution

Just like the NFT Leaderboard, the Perpetuals Leaderboard on GooseFX Mainnet also offers exciting rewards for our top-performing traders.

Biweekly Reset

- Every 14 days, we reset the points to start a fresh and thrilling biweekly competition.
- Don't worry, your hard-earned loyalty score remains intact and unaffected by this reset.

Total Points Accumulation

- Throughout the season, your total points continue to accumulate, reflecting your overall trading performance.
- This allows you to compete for top positions on the leaderboard and claim monthly rewards.

Points Reset

- The points in the 24hr and 14D categories reset every 14 days, specifically on Monday at 00:00 UTC.

Amazing Prizes

- Within 48 hours of each biweekly reset, GooseFX will distribute rewards to the winners based on their positions on the Perpetuals Leaderboard.
- As a top-performing trader, you'll not only receive prizes but also earn recognition among the GooseFX community.

Coming Soon - Season 1

- In the upcoming Season 1, we are introducing a new and improved point system for the Perpetuals Leaderboard.
- All rewards will be sent out automatically on-chain via the rewards tab on our platform, ensuring a seamless experience for all winners.

Lottery - Additional Chance to Win

- Excitingly, the Perpetuals Leaderboard also offers a lottery draw, providing additional chances to win prizes.
- By simply interacting with the platform and actively trading, you'll automatically be enrolled in the lottery.
- Lucky users will receive airdropped lottery winnings and get notified to redeem the prize on the platform.

Get Ready for an Exciting Journey! Participate actively, earn points, and increase your loyalty to stand a chance to win big!

Last updated 5 months ago

🔗 Referral Program

Refer your friends and earn 20% of their perps taker fees in USDC!

How to create a referral link?

- Create a trader account by navigating to the trade tab and clicking the 'Deposit/Withdraw' button

- Deposit any amount of USDC

- Once you have deposited some amount of USDC click the 'Rewards' button in the navigation bar and click the 'Refer' tab

- You should now see your referral link!

Example

Let's say Bob refers Alice using his referral link and Alice generates $10,000 of taker volume. This would generate $10,000 * 0.001 = $10 in fees. Since Bob will earn 20% of those fees he receives $2 claimable in USDC.

Is this on-chain?

Yes! Our referral program is powered by Buddylink and everything is verifiable on-chain.

Last updated 5 months ago

Stake Rewards & Fee Share

GooseFX ($GOFX) Locked Staking Rewards Program and Fee Addresses

Welcome to GooseFX's Staking Rewards Program! By staking your $GOFX tokens, you become eligible to receive a portion of the platform's revenue. Simply put, your stake in $GOFX can earn you money!

$GOFX Staking Rewards

- Check Realtime $GOFX stake APY : https://api-services.goosefx.io/gofx-stake/getApy

Understanding the Program

Our Staking Rewards Program is designed to distribute platform's total fee back to our users. The fees is collected from our Single-Sided Liquidity pools, NFT Aggregator and our Perps DEX.

These fees are converted into USDC, providing a stable payout, independent of market volatility.

GooseFX revenue split

Claiming Your Rewards

The size of your reward is directly proportional to the amount of $GOFX tokens you have staked. More staked tokens mean more rewards! You will be able to claim your earnings on a daily basis at 10AM UTC, adding to the simplicity of our program.

Unstaking $GOFX Tokens

When you unstake your $GOFX tokens, a seven-day lock-up period applies before you can withdraw them. During this cooldown period, you won't be earning any rewards.

Example

Let's say you deposit 1000 $GOFX and the pool currently has 100,000 $GOFX deposited. Thus your share of the rewards pools is 1000/100,000 = 1/100.

Join Us Today

Come join the #GooseGang today and unlock the earning potential of your $GOFX tokens. Stake your tokens with us and watch your rewards grow each day. At GooseFX, your tokens aren't just held, they're put to work for you!

On-Chain Revenue Data

Liquidity Providers

```
F451mjRqGEu1azbj46v4FuMEt1CacaPHQKUHzuTqKp4R
```

BuyBack & Burn $GOFX

```
FsroK7kXPHiWrtYzqqZ7dbaATYHVkKsR1SPDW6335KCi
```

$GOFX Stake Rewards

```
J7zEhuq5TP5UiPb1QvqM8zAqeJKARYEDmERqiJJCwVPt
```

GooseFX Revenue

```
F6zoE2sU5jCCWpDGMUasxcCEwCa8dc1y7Q6f5LHkjELy
```

Marketing

```
GgyJLZ6zz36pnJ76D98BqrQthjHBhnv9dSvzBueiE96L
```

Fee transferred from SSL program to Liquidity Providers and Reward Wallet is real time. The distribution to Marketing, BuyBack & Burn, $GOFX Stake Reward and GooseFX Revenue is done once every 24 hours.

- 28th November 2023 Update : Revenue split update

Last updated 5 months ago

Perpetual DEX SDKs

GooseFX Perpetual Futures SDK is designed for market makers and trading enthusiasts, allowing interaction with the GooseFX on-chain perpetual futures. We have a Typescript and Python SDK for your convenience with code examples!

Typescript SDK: https://www.npmjs.com/package/gfx-perp-sdk

Python SDK: https://pypi.org/project/gfx-perp-sdk/

Last updated 5 months ago

Typescript SDK

Typescript SDK: https://www.npmjs.com/package/gfx-perp-sdk

GooseFX Perpetual Futures SDK is designed for market makers and trading enthusiasts, allowing interaction with the GooseFX on-chain perpetual futures.

The Typescript SDK consists of three classes:

1. **Perp**
2. **Product**
3. **Trader**

Perp

The Perp class is essential for initializing the connection and wallet used for subsequent interactions. Initializing the Perp class should always be the first step, regardless of the operation type.

Constructor

```
const perp = new Perp(connection, networkType, wallet);
```

Parameter	Description
`connection` (Connection)	An instance of the `Connection` class from `@solana/web3.js` to communicate with the Solana network.
`networkType` (string)	A string indicating the network type, such as 'mainnet' or 'devnet'.
`wallet` (Wallet)	An instance of the `Wallet` class from `@project-serum/anchor` representing the user's wallet.

Methods

init()

Initializes the `Perp` instance by setting up necessary market and product group information.

```
await perp.init();
```

Returns: `Promise<void>`

Properties	Description
wallet	The wallet instance passed during the construction of the `Perp` object.
connection	The connection instance to the Solana network.

Properties	Description
program	The on-chain program associated with the perp market.
networkType	The type of network the `Perp` instance is connected to.
marketProductGroup	The product group information for the market, undefined until `init()` is called.

Here's an example of how to initialize the Perp class.

```
const perp = new Perp(connection, 'mainnet', wallet);
await perp.init();
```

Product

A Product instance represents one of the perpetual products we offer to trade. You can initialize the Product class in two ways: by index or by name. The Product instance can be used for various functions, such as getting the L2 and L3 orderbooks, and subscribing to the orderbook.

Constructor

```
const product = new Product(perp);
```

Parameters	Desription
`perp` (Perp)	An instance of the Perp class representing the perpetual futures market.

Methods

initByIndex(index)

Initializes the product by its index within the market.

```
product.initByIndex(0);
```

Parameters	Description
`index` (number)	The index of the product within the market.

Returns: `void`

getOrderbookL2()

Retrieves the Level 2 order book for the product.

```
const orderbook = await product.getOrderbookL2();
```

Returns: `Promise<Ordrbook>` - An object representing the Level 2 order book.

getOrderbookL3()

Retrieves the Level 3 order book for the product.

```
const orderbook = await product.getOrderbookL3();
```

Returns: `Promise<Ordrbook>` - An object representing the Level 3 order book.

Initializing Product by Index:

```
const perp = new Perp(connection, 'mainnet', wallet);
await perp.init();
const product = new Product(perp);
product.initByIndex(0);
```

Initializing Product by Name:

```
const perp = new Perp(connection, 'mainnet', wallet);
await perp.init();
const product = new Product(perp);
product.initByName('SOL-PERP');
```

Product Function Examples:

1. Get L2 Orderbook

```
const orderbook = await product.getOrderbookL2();
```

2. Get L3 Orderbook

```
const orderbook = await product.getOrderbookL3();
```

3. Subscribe to Orderbook

Subscribe to the orderbook account and listen to changes. Pass your function as the parameter to the `subscribeToOrderbook` function to handle orderbook changes. Don't forget to unsubscribe when it's no longer needed!

```
async function handleAccountChange(){
    const res = await product.getOrderbookL2();
    console.log("Updated orderbook: ", res);
  }
  const subscribeId = product.subscribeToOrderbook(handleAccountChange);
  connection.removeAccountChangeListener(subscribeId); //To close the subscription
```

Trader

The Trader class is necessary for obtaining instructions to send transactions to the program. Each wallet must have a unique trader account initialized to place orders and deposit funds. Create the trader account once using the `createTraderAccountIxs` instruction. After that, initialize the Trader class using the `init` function for all subsequent wallet interactions.

Constructor

```
const trader = new Trader(perp);
```

Parameters	Description
`perp` (Perp)	An instance of the `Perp` class representing the perp market.

Methods

createTraderAccountIxs()

Creates the transaction instructions and signers required to initialize a new trader account.

```
const [ixs, signers] = await trader.createTraderAccountIxs();
```

Returns: `Promise<[TransactionInstruction[], Keypair[]]>` - An array containing the transaction instructions and signers.

depositFundsIx(fractional)

Creates a transaction instruction for depositing funds into the trader's account.

```
const ix = await trader.depositFundsIx(fractional);
```

Parameters	Description
`fractional` (Fractional)	An object representing the amount to be deposited.

Returns: `Promise<[TransactionInstruction>` - The transaction instruction for depositing funds.

withdrawFundsIx(fractional)

Creates a transaction instruction for withdrawing funds from the trader's account.

```
const ix = await trader.withdrawFundsIx(fractional);
```

Parameters	Description
`fractional` (Fractional)	An object representing the amount to be withdrawn.

Returns: `Promise<[TransactionInstruction>` - The transaction instruction for withdrawing funds.

newOrderIx(size, price, side, type, product, ttl)

Creates a transaction instruction for placing a new order.

```
const ix = await trader.newOrderIx(size, price, side, type, product, ttl);
```

Parameters	Description
`size` (Fractional)	An object representing the size of the order
`price` (Fractional)	An object representing the price of the order.
`side` (string)	The side of the order, either 'buy' or 'sell'.
`type` (string)	The type of the order, such as 'limit' or 'market'.
`product` (Product)	An instance of the Product class representing the product for which the order is placed.
`ttl` (number)	Time to live for the order.

Returns: `Promise<[TransactionInstruction>` - The transaction instruction for placing a new order.

cancelOrderIx(orderId, product)

Creates a transaction instruction for canceling an existing order.

```
const ix = await trader.cancelOrderIx(orderId, product);
```

Parameters	Description
orderId (string)	The ID of the order to be canceled.

Parameters	Description
`product` (Product)	n instance of the Product class representing the product for which the order exists.

Returns: `Promise<[TransactionInstruction>` - The transaction instruction for canceling the order.

getOpenOrders(product)

Retrieves the open orders for the trader within a specific product.

```
const orderbookData = await trader.getOpenOrders(product);
```

Parameters	Description
`product` (Product)	An instance of the Product class representing the product for which open orders are retrieved.

Returns: `Promise<OrderbookData>` - An object representing the open orders data.

Properties	Description
`perp`	The `Perp` instance associated with the trader.
`totalDeposited`	The total amount deposited by the trader.
`totalWithdrawn`	The total amount withdrawn by the trader.
`marginAvailable`	The available margin for trading.
`totalTradedVolume`	The total volume traded by the trader.
`traderPositions`	The active positions held by the trader.

Creating a New Trader Account On-Chain:

```
const perp = new Perp(connection, 'mainnet', wallet);
await perp.init();
const trader = new Trader(perp);
const [ixs, signers] = await trader.createTraderAccountIxs();
```

In this example, `ixs` is an array of required instructions and `signers` is an array of required keypairs for signature. The wallet must also sign the transaction along with the keypairs in the `signers` array.

Initializing a Trader Instance

Once you successfully create an account, initialize the Trader instance as follows:

Fractional Data Type

The Fractional data type represents a fractional number based on its mantissa (m) and exponent (exp) using this formula: `number = mantissa / (10 ^ exponent)`.

Trader Instructions

Depositing Funds

To place new orders, traders need to deposit collateral. This instruction transfers the required USDC from the wallet to the trader account, which will be used as collateral to place new orders.

The only parameter for this function is the amount of USDC to deposit:

```
const perp = new Perp(connection, 'mainnet', wallet);
await perp.init();
const trader = new Trader(perp);
await trader.init();
const ix = await trader.depositFundsIx(new Fractional({
  m: new BN(1),
  exp: new BN(0)
}));
```

Withdrawing Funds

Similar to depositing funds, this function takes the amount of USDC to be withdrawn as the only parameter. This instruction transfers funds from the trader account to the wallet address:

```
const perp = new Perp(connection, 'mainnet', wallet);
await perp.init();
const trader = new Trader(perp);
await trader.init();
const ix = await trader.withdrawFundsIx(new Fractional({
  m: new BN(1),
  exp: new BN(0)
}));java
```

Note: The deposit and withdraw instructions do not require a `product` instance as a parameter, as the market is cross collateralized and the amount of USDC deposited can be used across products. The following instructions, placing a new order and canceling an order, are specific to products and need a `product` instance as one of the parameters.

Getting Trader's Open Orders for a Product

To get all open orders for a `Trader` for a `product`:

```
const perp = new Perp(connection, 'mainnet', wallet);
await perp.init();
const product = new Product(perp);
product.initByIndex(0);
const trader = new Trader(perp);
await trader.init();
const orderbookData = await trader.getOpenOrders(product);
console.log("orderbook: ", orderbookData);
```

Placing a New Order

The new order instruction requires the following parameters:

- Quantity (Fractional): *1 unit of the product is denoted by 1 * 100,000 units. To buy 1 unit, pass the following parameter as quantity:*

```
new Fractional({
  m: new BN(100000),
  exp: new BN(0)
})
```

- Price (Fractional)
- Order side ('buy' or 'sell')
- Order Type ('limit', 'market', 'immediateOrCancel', 'postOnly')
- Product instance

Here's an example of placing a new order:

```
const perp = new Perp(connection, "mainnet", wallet);
await perp.init();
const product = new Product(perp);
product.initByIndex(0);
const trader = new Trader(perp);
await trader.init();
const ix = await trader.newOrderIx(
  new Fractional({
    m: new BN(10000), //Implies 0.1 units
    exp: new BN(0),
  }),
  new Fractional({
    m: new BN(2245), //Price 22.45$
    exp: new BN(2),
  }),
  "buy",
  "limit",
  product
);
```

Canceling an Order

The cancel order instruction requires the `orderId` in string format. Use `getOpenOrders()` to get open orders and their IDs to pass as a parameter to cancel the order:

```
const perp = new Perp(connection, "mainnet", wallet);
  await perp.init();
  const product = new Product(perp);
  product.initByIndex(0);
  const trader = new Trader(perp);
  await trader.init();
  const ix = await trader.cancelOrderIx("79228162514448805034281039127 26", product);
```

Checkout https://github.com/GooseFX1/gfx-perp-ts-sdk/blob/main/test/index.test.js for examples on the above functionalities!

Last updated 4 months ago

Python SDK

Python SDK: https://pypi.org/project/gfx-perp-sdk/

This SDK contains 3 classes to interact with the GooseFX on-chain perpetual futures.

- `Perp`
- `Product`
- `Trader`

Perp

The `Perp` class is required to initialize the connection and wallet that is going to be used for subsequent interaction.

Constructor

```
perp = Perp(connection, network_type, wallet, mpg=None, mpgBytes=None)
```

Parameters	Description
`connection` (Client)	An instance of the `Client` class from `solana.rpc.api` to communicate with the Solana blockchain.
`network_type` (NETWORK_TYPE)	An enum value indicating the network type (either `NETWORK_TYPE.mainnet` or `NETWORK_TYPE.devnet`).
`wallet` (Keypair)	An instance of the `Keypair` class representing the user's wallet.
`mpg` (MarketProductGroup, optional)	Optional. An instance of the `MarketProductGroup` class for initializing the market product group directly.
`mpgBytes` (bytes, optional)	Optional. Raw bytes data for the market product group.

Methods

init()

Initializes the Perp instance by setting up the market product group and related data.

```
perp.init()
```

Returns: `None` (Can raise exceptions for error handling)

place_order(product, order_type, trade_side, size, price)

Places an order in the perpetual market.

```
perp.place_order(product, order_type, trade_side, size, price)
```

Parameters	Description
`product` (Product)	The product instance for which the order is being placed.
`order_type` (OrderType)	The type of order (e.g., `OrderType.limit`, `OrderType.market`).
`trade_side` (TradeSide)	The side of the trade (`TradeSide.buy` or `TradeSide.sell`).
`size` (int)	The size of the order.
`price` (float)	The price at which the order is to be executed.

Returns: `None` (Implementation-dependent, can return order details or raise exceptions)

Properties	Description
`marketProductGroup`	A `MarketProductGroup` instance containing market product group details.
`mpgBytes`	Raw bytes data representing the market product group.
`connection`	The `Client` instance for Solana network communication.
`wallet`	The `Keypair` instance representing the user's wallet.
`networkType`	The network type (`NETWORK_TYPE.mainnet` or `NETWORK_TYPE.devnet`).
`ADDRESSES`	A `ConstantIDs` instance containing various constant IDs for the perpetual market.

Initializing the `Perp` class should be the first step irrespective of the type of operation in the following manner:

```
perp = Perp(rpc_client, 'devnet', wallet)
perp.init()
```

Product

An instance of the `product` class signifies one of the perp product we offer to trade.

Constructor

```
product = Product(name, PRODUCT_ID, ORDERBOOK_ID, BIDS, ASKS, EVENT_QUEUE,
tick_size, decimals)
```

Parameters	Description
`name` (str)	A string representing the name of the product.
`PRODUCT_ID` (PublicKey)	An instance of the `PublicKey` class representing the unique identifier for the product.
`ORDERBOOK_ID` (PublicKey)	An instance of the `PublicKey` class representing the order book identifier for the product.
`BIDS` (PublicKey)	An instance of the `PublicKey` class representing the bids in the order book.
`ASKS` (PublicKey)	An instance of the `PublicKey` class representing the asks in the order book.
`EVENT_QUEUE` (PublicKey)	An instance of the `PublicKey` class representing the event queue for the product.
`tick_size` (int)	An integer specifying the minimum price movement of the product.
`decimals` (int)	An integer indicating the decimal precision of the product prices.

Methods

The Product class primarily serves as a data structure and does not contain specific methods for operations.

Properties	Description
`name`	The name of the product.
`PRODUCT_ID`	The unique identifier for the product.
`ORDERBOOK_ID`	The identifier for the product's order book.
`BIDS`	The `PublicKey` for bids in the order book.
`ASKS`	The `PublicKey` for asks in the order book.
`EVENT_QUEUE`	The `PublicKey` for the product's event queue.
`tick_size`	The minimum price movement for the product.

Properties	Description
`decimals`	The decimal precision for the product's prices.

Initialization of the `product` class can be done in one of two ways:

1. By index:

```
perp = Perp(rpc_client, 'devnet', wallet)
perp.init()
product = Product(perp)
product.initByIndex(0)
```

2. By name:

```
perp = Perp(rpc_client, 'devnet', wallet)
perp.init()
product = Product(perp)
product.initByName('SOL-PERP')
```

This `product` instance will be useful for the following functions:

- `GET L2 Orderbook`: Get the latest layer 2 orderbook

```
orderbook = product.get_orderbook_L2()
```

- `GET L3 Orderbook`: Get the latest layer 3 orderbook. (Orders mapped to users)

```
orderbook = product.get_orderbook_L3()
```

Trader

The `Trader` class is required to get instructions to send transactions to the program. Each wallet must have a unique trader account initialized to be able to place orders and deposit funds. This account needs to be created once using the `create_trader_account_ixs` instruction. After it has been created once, for all subsequent interactions by the wallet, the `Trader` class needs to be initialized using the `init` function.

Constructor

```
trader = Trader(connection, network_type, wallet, product, order_type, trade_side,
size, price)
```

Parameters	Description
`connection` (Client)	An instance of the `Client` class from `solana.rpc.api`

Parameters	Description
	, used to communicate with the Solana blockchain.
`network_type` (NETWORK_TYPE)	An enum value representing the network type (either `NETWORK_TYPE.mainnet` or `NETWORK_TYPE.devnet`).
`wallet` (Keypair)	An instance of the `Keypair` class from `solders.keypair`, representing the user's wallet.
`product` (Product)	An instance of the `Product` class, representing the trading product.
`order_type` (OrderType)	An enum value representing the type of order (e.g., `OrderType.limit`, `OrderType.market`).
`trade_side` (TradeSide)	An enum value representing the side of the trade (`TradeSide.buy` or `TradeSide.sell`).
`size` (int)	An integer specifying the size of the order.

Methods

place_order()

Places an order in the market.

```
trader.place_order()
```

Returns: Varies depending on implementation, typically order details or confirmation.

cancel_order(order_id)

```
trader.cancel_order(order_id)
```

Parameters	Description
`order_id` (str)	The ID of the order to be cancelled.

Returns: Varies depending on implementation, typically cancellation confirmation.

update_order(order_id, new_size, new_price)

Updates an existing order.

```
trader.update_order(order_id, new_size, new_price)
```

Parameters	Description
`order_id` (str)	The ID of the order to be updated.
`new_size` (int)	The new size of the order.
`new_price` (float)	The new price of the order.

Returns: aries depending on implementation, typically update confirmation.

Properties	Description
`wallet`	The user's `Keypair` wallet instance.
`connection`	The `Client` instance for communication with the Solana network.
`networkType` (Keypair)	The network type (`NETWORK_TYPE.mainnet` or `NETWORK_TYPE.devnet`).
`product`	The `Product` instance for the trading operations.
`orderType`	The type of order to be placed.
`tradeSide`	The side of the trade (buy or sell).
`size`	The size of the trade order.
`price`	The price at which the trade order will be executed.

- To create a new `Trader` account on-chain:

```
perp = Perp(rpc_client, 'devnet', wallet)
perp.init()
trader = Trader(perp)
[ixs, signers] = trader.create_trader_account_ixs()
```

where `ixs` is an array of required instructions and `signers` is an array of required wallet pairs for signature. The wallet must also sign the transaction along with the wallet pairs in the `signers` array

- Once the account is created successfully, the `Trader` instance must be initialized in the following way:

```
perp = Perp(rpc_client, 'devnet', wallet)
perp.init()
trader = Trader(perp)
trader.init()
```

Fractional Datatype

The Fractional data type uses a simple formula to represent a fractional number based on its mantissa (m) and exponent (exp): `number = mantissa / (10 ^ exponent)`

Trader Instructions

Deposit Funds

To start placing new orders, traders need to deposit some collateral. This instruction will transfer the required USDC from the wallet to the trader account which will be used as collateral to place new orders.

The only parameter to this function is the amount of USDC to be deposited.

```
    perp = Perp(rpc_client, 'devnet', wallet)
    perp.init()
    trader = Trader(perp)
    trader.init()
    [ix, signers] = trader.deposit_funds_ix(Fractional.to_decimal(100))
```

Withdraw Funds

Similar to deposit funds, this function takes the amount of USDC to be withdrawn as the only parameter. This instruction will transfer funds from the trader account to the wallet address.

```
    perp = Perp(rpc_client, 'devnet', wallet)
    perp.init()
    trader = Trader(perp)
    trader.init()
    [ix, signers] = await trader.withdraw_funds_ix(Fractional.to_decimal(100))
```

NOTE: The above two instructions do not need a `product` instance as a parameter since the market is cross-collateralized and the amount of USDC deposited can be used across products. The following two instructions to place a new order and cancel an order are specific to products and hence need a `product` instance as one of the parameters.

Trader's open orders for a product

To get all open orders for a `Trader` for a `product`:

```
perp = Perp(rpc_client, 'devnet', wallet)
perp.init()
product = Product(perp)
product.initByIndex(0)
trader = Trader(perp)
trader.init()
orderbookData = trader.getOpenOrders(product)
```

New Order

The New order instruction needs the following as parameters

- Quantity (Fractional) **Please note: 1 unit of the product is denoted by 1 * 100000 units. So to buy 1 unit, the parameter to pass as quantity should be**

```
Fractional.to_decimal(100000)
```

- Price (Fractional)
- Order side ('buy' or 'sell')
- Order Type ('limit', 'market', 'immediateOrCancel', 'postOnly')
- Product instance

```
perp = Perp(rpc_client, 'devnet',wallet)
perp.init()
product = Product(perp)
product.initByIndex(0)
trader = Trader(perp)
trader.init()
[ix, signers] = trader.new_order_ix(product, Fractional.to_decimal(50000), Fractior
```

Cancel Order

The cancel order instruction needs the orderId in string format to cancel the order. Use `getOpenOrders()` to get open orders and its id's to pass as a parameter to cancel the order

```
perp = Perp(rpc_client, 'devnet',wallet)
perp.init()
product = Product(perp)
product.initByIndex(0)
trader = Trader(perp)
trader.init()
[ix, signers] = trader.cancel_order_ix(product, 269375752548498747818049433352371)
```

Get All Trader Risk Group Accounts

`get_all_trg_accounts()` will fetch all the trader accounts in your wallet

Withdraw Funds for Trader Risk Group

`withdraw_funds_ix_for_trg()` will withdraw funds from specific trg(trader) account

Close Trader Risk Group

`close_trader_risk_group_ix_for_trg()` will close a specific trg(trader) account (ideally it can be done after withdrawing funds)

Get Cash Balance

`get_cash_balance()` will fetch available balances of the main trader account.

Get Cash Balance for Trader Risk Group

`get_cash_balance_for_trg()` will fetch available balance of specific trader account

Get Deposited Amount

`get_deposited_amount()` will fetch available deposited amounts

Get Withdrawn Amount

`get_withdrawn_amount()` will fetch available withdrawn amounts

Get Trader Positions by Product Index

`get_trader_positions_by_product_index()` will get all trader positions by product index

Get Trader Positions by Product Name

`get_trader_positions_by_product_name()` will get all trader positions by product name

Get Trader Positions by Trader Risk Group

`get_trader_positions_for_trg()` will get all trader positions for the Trader Risk Group

Checkout https://github.com/GooseFX1/gfx-perps-python-sdk/blob/dev/test_perp.py for examples on the above functionalities! Happy trading!

Last updated 3 months ago

GOFX Token

GooseFX Token - $GOFX

The **GOFX Token** went live on 2nd November 2021, a multifunctional utility token powering the GooseFX platform, offering benefits like reduced trading fees, enhanced access, rewards for platform engagement and revenue sharing.

Official GOFX token links

- GOFX SPL token contract address `GFX1ZjR2P15tmrSwow6FjyDYcEkoFb4p4gJCpLBjaxHD`
- GOFX total supply API: `https://api-services.goosefx.io/total-supply`
- GOFX circulating supply API: `https://api-services.goosefx.io/circulating-supply`
- Coingecko
- Coinmarketcap

GOFX Token Information

GOFX is a multifunctional utility token of the GooseFX ecosystem, to engage with various platform features. Key aspects include:

- **Staking Incentives:** Stakers of GOFX earn a share of the platform's total fees, collected from Single-Sided Liquidity pools and the Perps DEX. These fees are converted to USDC for stable payouts, with rewards proportional to the amount of GOFX staked and claimable daily.
- **Loyalty Tiers and Reduced Fees:** Holding and staking GOFX categorizes users into different loyalty tiers, with higher tiers offering reduced trading fees and other benefits.
- **Buyback and Burn Program:** 10% of revenue from GooseFX's Single-Sided Liquidity Pools is used to buy back GOFX tokens from the market, which are then burned hourly. This approach aims to reduce the total supply and increase the scarcity of GOFX, steering it towards a deflationary model.
- **Earnings and Lock-up Period:** Unstaking GOFX initiates a seven-day lock-up period, during which no rewards are earned.

PAGE
Stake Rewards & Fee Share

GOFX Listings

DEX	CEX
RAYDIUM	GATE.IO
JUPITER	
ORCA	
METEORA	

GOFX Token Allocation

GOFX Tokenomics

- **Reserve:** 30% (210,000,000 GOFX) A portion of this is to provide liquidity on DEXs on chain to support the ecosystem - 2 year lockup then 10% quarterly unlocks. Quarterly unlocks begin January 1st, 2024.
- **Ecosystem:** 25% (175,000,000 GOFX) 5% quarterly unlocks for partnerships and market expansion with other protocols. Quarterly unlocks begin Nov 2021.
- **Team:** 20% (140,000,000 GOFX) 1 year lockup with 3 year vesting (Started Nov 2022)
- **Advisors:** 3% (21,000,000 GOFX) 1 year lockup with 3 year vesting (Started Nov 2022)
-

Seed: 10.5% (73,500,000 GOFX) 15% of this allocation is unlocked at TGE + 3 month lockup with 18 months vesting for residual 85% (Fully unlocked as of Aug 2023)

- **Liquidity: 10.5% (**73,500,000 GOFX) 2% for IDO/IEO and GOFX market liquidity
- **Early Adopter Rewards:** (1% 7,000,000 GOFX) Alpha & Beta Tester Rewards and Bug Bounties (Unlocked)

Updated: 11/01/2023

GOFX does not in any way represent any shareholding, participation, right, title, or interest in the Company, the Distributor, their respective affiliates, or any other company, enterprise or undertaking, nor will GOFX entitle token holders to any promise of fees, dividends, revenue, profits or investment returns, and are not intended to constitute securities in Singapore or any relevant jurisdiction. GOFX may only be utilised on the GooseFX platform, and ownership of GOFX carries no rights, express or implied, other than the right to use GOFX as a means to enable usage of and interaction within the GooseFX platform.

Last updated 5 months ago

⭐ Perps DEX Tutorial

Welcome to the GooseFX Perpetuals DEX tutorial section! With step-by-step video guides on how to use our platform effectively.

USDC Deposit Guide

Learn how to deposit USDC on the GooseFX perpetual DEX.

Devnet USDC Deposit Guide - GooseFX Perpetuals Platform

Long Order Tutorial

Learn how to place long orders on the GooseFX Perpetuals DEX.

Long Order Tutorial - GooseFX Perpetuals Platform

Short Order Tutorial

Learn how to place short orders on the GooseFX Perpetuals DEX.

Short Order Tutorial - GooseFX Perpetuals Platform

Closing a Position Guide

Learn how to close a position on the GooseFX Perpetuals DEX.

Closing a Position Guide - GooseFX Perpetuals Platform

Customizing Layout Tutorial

Personalize your trading experience on the GooseFX Perpetuals DEX. Learn how to adjust and customize the platform to suit your trading preferences.

Customizing Layout Tutorial - GooseFX Perpetuals Platform

Last updated 5 months ago

🌐 How to Swap Tokens

A walkthrough for new users

1. Create a Solana wallet

To use GooseFX, you will need to have a compatible Solana wallet. GooseFX currently has support for Phantom, Glow, Solflare, Torus, Math Wallet, Solong, Sollet, and Slope. GooseFX is a decentralized protocol on Solana that helps users trade tokens and NFTs, provide liquidity, and more in a non-custodial manner. This means that the application interacts indirectly with you through the wallet.

2. Fund the wallet with SOL

GooseFX is a decentralized application built on Solana and thus to conduct transactions you must pay Solana network fees for transactions and these fees are paid in the SOL. You have multiple ways to purchase SOL such as one of these centralized exchanges: FTX, Binance, Coinbase, MEXC, Gate, etc.

3. Connect your wallet with GooseFX

Click “connect wallet” on the GooseFX home page, then enter your wallet password, click “Unlock”, and then click “Connect”.
Once connected you will be able to interact with the platform.

4. Swap Tokens

Once you have connected your wallet you will be able to select the token you would like to use to perform the swap and the token you would like to recieve. After choosing the tokens and entering the amount you would like to swap click "Swap." You will then be prompted by your wallet to approve the transaction. After clicking "Approve" your swap will begin and you may confirm the transaction by checking a Solana network explorer.

Last updated 5 months ago

🪙 How to stake / unstake GOFX

A walkthrough to stake or unstake $GOFX tokens on GooseFX

Learn about $GOFX stake program

- *Stake $GOFX earn $USDC (Revenue Share)* 👇

Stake Rewards & Fee Share
GooseFX

How to Stake $GOFX

- Click Rewards tab on top right of the platform after connecting your Solana wallet.

- Enter your desired amount of $GOFX tokens you want to stake and click the "Stake" button

Disclaimer! You must wait 7 days after Unstaking to reclaim your GOFX. No rewards will be earned on the "Unstaked" $GOFX tokens for these 7 days.

How to Unstake $GOFX

- Click unstake and enter your desired amount of tokens you want to unstake.

- Click "Yes, Continue with Cooldown" to unstake the tokens.

- Click "See all active cooldowns" to monitor the progress

- After 7 days you will be able to claim your unstaked tokens by clicking "Unstake GOFX"

Last updated 5 months ago

⛏️ How to LP with GFX Single-Sided Liquidity Pools

1. Connect Wallet on Farm Page

Please connect the wallet of your choice to begin

2. Choose the Pool

Please select the pool that you would like to deposit into. In this example we chose Hyper.

3. Choose the Token

Please select the token that you would like to deposit. In this example we chose Bonk.

3. Enter the Amount and Click 'Deposit'

Select the amount of liquidity you would like to provide then click 'Deposit' and approve the transaction.

You can confirm the deposit by clicking the blue popup which will take you to a Solana explorer.

4. How to Withdraw your Tokens

Select the amount of tokens you would like to withdraw and click 'Withdraw' then click approve the transaction to complete the withdrawal.

You can confirm the withdrawal by clicking the blue popup which will take you to a Solana explorer.

Last updated 8 months ago

👨‍💻 Switch from Mainnet to Devnet [GUIDE]

Mainnet is used for real transactions, devnet is used for testing and development purposes.

Changing Wallet Networks on Phantom

1. Click the top left icon
2. Then click Developer Settings
3. Click Change Network
4. Then select the desired network, Mainnet to Devnet.
5. Perform the same steps to switch between Devnet to Mainnet

Changing Wallet Networks on xNFT Backpack

1. Click on the profile icon in the top right corner.
2. Next, select Preferences.
3. Look for the section labeled Solana and click on it.
4. Select RPC connection.

5. Switch to either Mainnet or Devnet

Changing Wallet Networks on Glow Wallet

1. Click on the gear icon in the bottom right corner.
2. Next, select Network from the menu.
3. Choose the desired network Mainnet or Devnet and click on the glow wallet icon in the bottom left corner.

Changing Wallet Networks on Solflare Wallet

1. click on the gear icon in the bottom right corner.
2. Next, select Network from the menu.
3. Choose desired network Mainnet or Devnet.
4. Finally, select Proceed to continue.

Last updated 9 months ago

🌎 Geo Restricted

Why is GooseFX geo-restricted?

We have geo-restricted to comply with legal regulations hence GooseFX is correctly geo restricted across US, Canada and OFAC countries. If you have deposited funds before use this link to withdraw tokens safely.

Last updated 5 months ago

NestQuest

Official Game Webpage: NestQuest.io

NestQuest is a gamified leaderboard and rewards tracking program intended to promote the launch of each of the GooseFX platform features. Play the game, gain prestige in the GooseFX community and level up your NFT to unlock additional rewards and added benefits on the platform. Added benefits include:

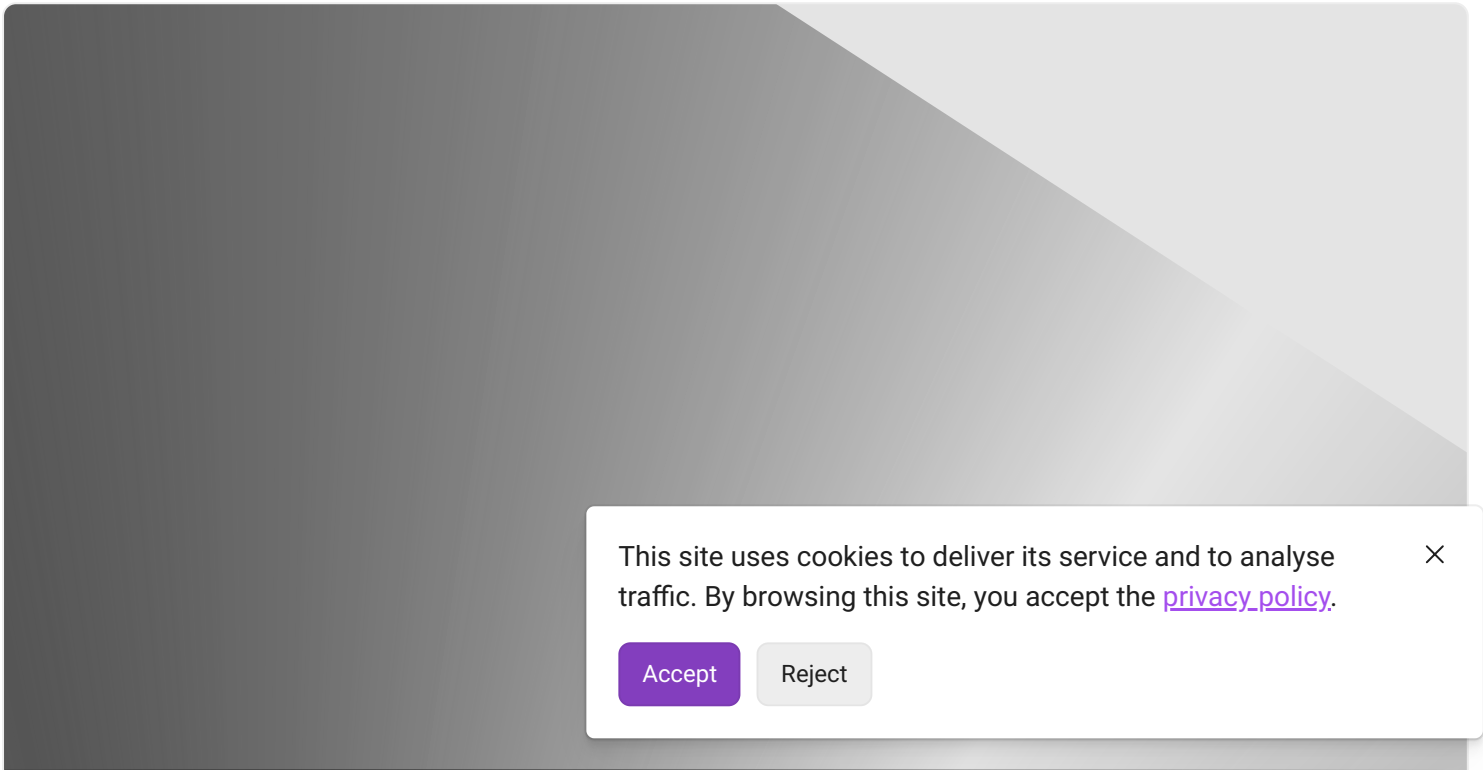
- Reduced platform fees
- Priority access on future features
- Access the NestQuest NFT Gated discord channels
- Level 6 Citadel NFT will grant permanent whitelist access to our NFT Launchpad

There are a total of 25,002 NQ NFTs in the NestQuest Collection. This is a strategic total supply amount that encompasses in-game logic.

Where Can I get a NestQuest Egg?

The NestQuest Eggs are available for purchase for 1 SOL or 500 GOFX (~50% discount) here:

GooseFX - A Complete DeFi Experience



You can find higher Tiers listed for sale on several exchanges:

NestQuest | Hyperspace
Hyperspace

HyperSpace

NestQuest
Magic Eden

MagicEden

What's so cool about NestQuest?

Dynamic Attribute Assignment System - DAAS

NestQuest utilizes a dynamic attribute assignment system(DAAS) during the NFT evolution process. During the evolution window, the NFTs selected for evolution randomly assign the next Tier NFT. This gives all NQ NFTs the same opportunity f

What hatches from the egg is randomly d
attributes that are inherited when the egg

acquire additional attributes. The breakdown of the probabilities of each Tier 2 Hatchling is shown below.

Proof of Work NFT

NestQuest has created a new form of NFT that tracks user activity to advance through the Tiers. We are calling this a Proof of Work NFT because each Tier the NFT advances requires directed effort. The higher the Tiers, the more stored effort the NFT has.

Troubleshooting

If you have trouble connecting your wallet please use the approved wallets Phantom, Slope, Solflare, or Ledger. Try clearing your cache and using a different browser. Please make sure you have some SOL in your wallet to approve transactions.

You can ONLY evolve your Tier 1 Egg NFT once. That means it will evolve after 30 days from an Egg to a Hatchling. Once it is evolved, it will not allow you to evolve again. If you have multiple eggs however, you are able to evolve them after incubating for 30 days.

If you are still having issues make sure you have enough SOL in your wallet to approve the transaction. If you are having issues with NQ please use this URL to produce a bug report: https://nestquest.io/?debug=true and please post in the #support channel of our Discord.

NestQuest Contract Address

https://solscan.io/account/NQDKVecDDY3espZ7LynBrFSy8fTr8VrTrXQ7PRBMK1a

Last updated 5 months ago

1️⃣ Tier 1 - The Egg

The Egg - By Nolan Nassar

As you might expect with an egg, the first step is simply to hatch it. To do this, visit NestQuest.io and enter the game board by connecting your wallet. It will register the egg in your wallet and allow you to start incubating. When you incubate the egg on the NQ board a timer for 30 days appears. At the end of the 30 days the egg will hatch and be available for withdrawal.

NestQuest players start on the same level playing field, all of the Eggs are the same, there are no pre-assigned attributes.

Attributes are only randomly assigned as users advance through the NFT Tiers.

Game Lore - The Egg

A mysterious egg abandoned in a peculiar tree stump nest. The egg emits a faint glow, as your hand gets close to the surface you feel radiant heat. Something is alive inside. You must incubate this egg for it to hatch.

Last updated 1 year ago

2️⃣ Tier 2 - The Hatchling

The Hatchling comes from the Tier 1 Egg. As one might expect, hatchlings require sustenance and attention to grow and evolve. So for the Tier 2 evolution, users are required to stake a minimum of 25 GOFX tokens for > 7 day period. Once that criteria is met with the users wallet, you will be prompted by the Game Board, to "Evolve" your hatchling.

You stake GOFX here: https://app.goosefx.io/farm Make sure you are on the STAKING tab.

Tier 2 Probability Assignments

Body	Egg	Aura	Probability
Gold	Gold	Gold	4%
Black	Purple	Teal	7%
Red	Purple	Purple	11%
Orange	Purple	Orange	13%
Green	Purple	Green	15%
Purple	Purple	Teal	20%
Blue	Purple	Blue	30%

These assignments for the "Body", "Egg" and "Aura" are made once, when the egg hatches and they carry through with the NFT the entire lifetime of NestQuest.

Game Lore - The Hatchling

A hatchling has emerged from the egg... What unique coloring... Not much is known about these creatures but it will require activity to evolve into a stronger form.

Gold

Black

Red

Orange

Green

Purple

Blue

Last updated 1 year ago

3 Tier 3 - The Gosling

The Gosling is the third tier evolution of NestQuest. With your training the Gosling has grown much larger and stronger then the Hatchling. Its aura has been maintained during the transformation and it appears to be a much better equipped combatant facing the NestQuest unknowns.

The same 7 Distinct Colors exist for Tier 3 as well: Gold, Black, Red, Orange, Green, Purple, Blue

Tier 3 Attributes

Body	Flame	Aura
Gold	Lightning	Life
Black	Plague	Death
Red	Fire	Sun
Orange	Molten	Earth
Green	Growth	Forest
Purple	Heart	Love
Blue	Frost	Water

Game Lore

The training has paid off and the Hatchling has evolved into a much stronger Gosling. The Gosling still emits a dangerous flame from its mouth which appears to be related to its prior Aura. Additional training is required to evolve again.

Gold Black Red Orange Green Purple Blue

4 Tier 4 - The Armored Goose

The Armored Goose is the fourth tier evolution of NestQuest. The Gosling and the Orb combined powers on the altar to turn into this more powerful creature. Each color of the Armored Goose now has a unique armor class attribute. The armor classes are also related to the gooses auras.

The same 7 Distinct Colors exist for Tier 4: Gold, Black, Red, Orange, Green, Purple, Blue

Tier 4 Attributes

Body	Flame	Aura	Armor
Gold	Lightning	Life	Light Helm
Black	Plague	Death	Plague Plate
Red	Fire	Sun	Fire Cloak
Orange	Molten	Earth	Lava Girdle
Green	Growth	Forest	Petrified Wood
Purple	Heart	Love	Mithril Chain
Blue	Frost	Water	Ice Armor

Game Lore

The Gosling has grown even larger and now wears ancient elemental armor. With its dangerous flame and the aura power, your Armored Goose is well equipped to handle any trouble that may lie ahead. It is unclear what is required to advance further, but the Armored Goose appears to be a qualified foe to any challenger.

Gold Black Red Orange Green Purple Blue

Last updated 1 year ago

5️⃣ Tier 5 - Coming Soon!

Last updated 1 year ago

6 Tier 6 - Coming Soon!

Last updated 1 year ago

About the Artist - Source Point Games

The team behind Source Point Games is leading the artistic development of NestQuest.

Source Point Press Socials

Source Point Press
Source Point Press

Website

Source Point Press
Facebook

Facebook

https://mobile.twitter.com/SourcePtPress
Twitter

Twitter

https://www.instagram.com/sourcepointpress/
www.instagram.com

Instagram

Last updated 1 year ago

⭐ Evolution Mechanics

If you inspect each NFT tier, you will see custom descriptions that will give HINTS as to what is required to evolve to the next tier. As NQ is also a RACE in a way, because the higher tier NFTs will have a lower supply. So it will literally PAY to keep up on NestQuest as new Tiers are released.

How to Evolve

Tier 1 > Tier 2 - To hatch The Egg, you must incubate it for 30 days on the NestQuest Board Game.

Tier 2 > Tier 3 - To evolve The Hatchling, you must stake >25 GOFX tokens on the GOFX Staking pool.

Tier 3 > Tier 4 - To evolve The Gosling, you must successfully acquire "The Orb" from the NestQuest Chest Guessing Game, and evolve it on the Altar of Migration.

Tier 4 > Tier 5 - Coming Soon!

Tier 5 > Tier 6 - Coming Soon!

Last updated 1 year ago

Welcome to GooseFX

GooseFX

Ask or Search Ctrl + K

What is GooseFX?

GooseFX is your ultimate DeFi destination on Solana for trading perpetual futures and experiencing our innovative single-sided liquidity pools. Our mission is to streamline your DeFi journey, offering a seamless platform to trade and earn yields effortlessly.

Our single-sided liquidity pools mark a significant advancement in yield earning. Gone are the days of the traditional 50/50 asset split & the hassle of constant management. With GooseFX, you can simply stake a single token in our pools and earn rewards daily!

In addition to our groundbreaking SSL pools, GooseFX proudly features a fully on-chain Centralized Limit Order Book (CLOB) based DEX. This platform revolutionizes the way you trade derivatives with utpo 10x leverage, ensuring a robust and efficient trading experience.

Key Features

- **Perpetual Futures DEX based on a CLOB design (not AMM or synthetic)**
  - Upto 10x leverage
  - Lowest Fee on Solana
  - Incentives for Market Makers
- **Single Sided Liquidity Pools**
  - Earn yields by staking a single token
  - Instant deposit and withdrawals
  -

Daily rewards

- **Stake GOFX - Earn USDC (Revenue Sharing)**

The Team

Our team at GooseFX comprises skilled engineers led by Rust experts with over eight years of experience. Our senior engineers, seasoned in traditional finance, specialize in algorithmic trading and quantitative analysis. Initially focused on CEX market making, we pivoted to DEX market making and arbitrage, leveraging our diverse expertise in engineering, finance, and databases to innovate in the DeFi space. We found Solana to be the most performant chain meant for traders and with a background in Rust, we decided to build a protocol on top of our MM activities.

Our goal at GooseFX has always been simple *Keep a community first DeFi protocol. This is illustrated by our user first tokenomics with fee share and burn mechanisms.*

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