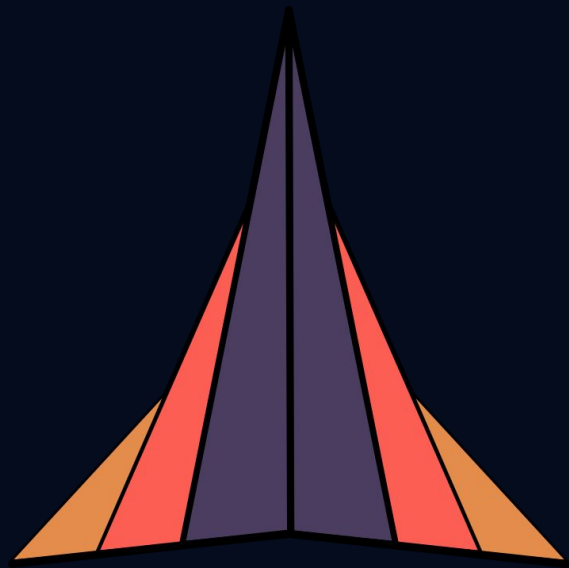


# Spire



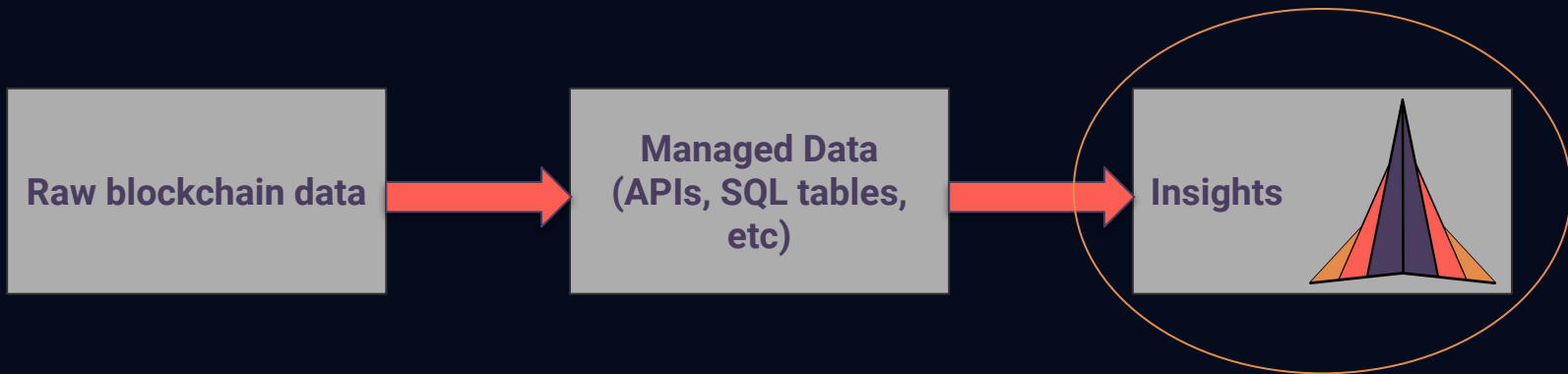
Solana insights and on-chain data analytics, inspired by the community and accessible to all.  
Visit [spire.fyi](https://spire.fyi) for a viewpoint above Spire data.

*Team:*

Lee Tirrell (@ltirrell\_) | Anduril (@AndurilData) | Justin Tirrell (@jittji)

# Why Spire?

- There are many great data providers and tools for analysis available (we use Flipside, Helius and Solana FM)
- However building these raw materials into digestible analytics and easy to use insights are missing for Solana (and the crypto space in general)
- Knowing what's happening on chain is valuable to everyone: traders, validators, gamers, NFT enthusiasts...



## About Us

- We're data analysts (LT, Anduril) and developers (LT, JT) involved in the crypto space for the last 2+ years
- Started analyzing data using Flipside Crypto, creating dashboards we find interesting and useful to the community
- Decided to focus on Solana due to interest in the blockchain– low cost, fast, scalable, good UI/UX). This allows us to go deeper than if we were generalists (jack of all chains is a master of none)
- Soft-launched Spire in late 2022
- Submitted and won prizes at the Magic Eden Creator Monetization and Sandstorm hackathons

# Technical Details

- All code is open source
- We built Spire using Python ([streamlit](#)), with data sourced from Flipside, Helius and SolanaFM
- All data used in our dashboard is easily downloaded as a CSV directly from the same page
- See our GitHub page for more details ([https://github.com/spire-fyi/spire\\_fyi](https://github.com/spire-fyi/spire_fyi)) and usage instructions

# Infrastructure upgrades

- Previously adding new data and queries was a manual process
- We added infrastructure to automate fetching of API data
- Queries can be described in a configuration file, where the data source, arguments and desired output characteristics are specified.
- Periodically the queries are invoked and data exported for use by the front end.
- We use the Clojure programming language, a lisp with nice properties for working with data, and deploy to AWS.
- The code is available here: <https://github.com/spire-fyi/spire-fyi-cli>

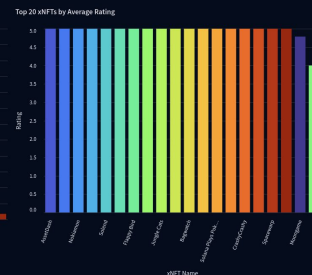
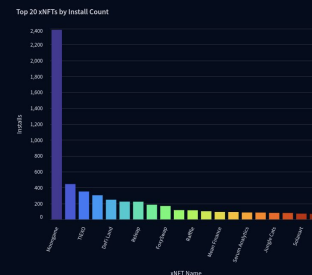
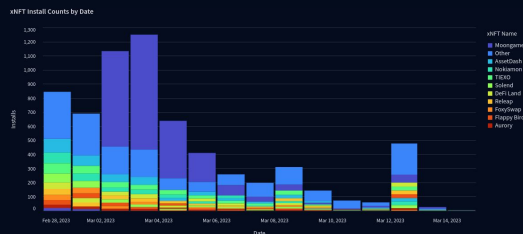
# Demo

Live at <https://spire.fyi/>

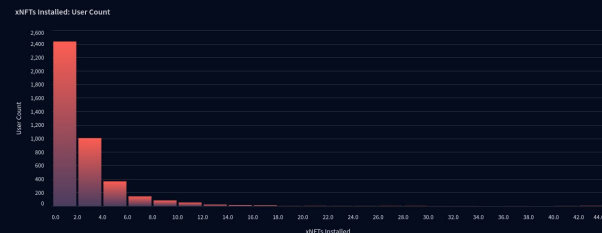
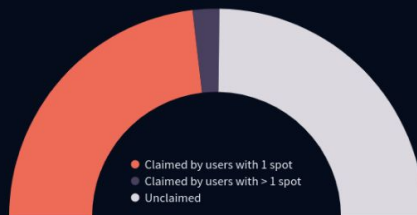
# Demo: xNFT Backpack (new for Grizzlython)

## xNFT Backpack

- xNFT installs over time
- Top xNFTs by rating and installs
- Madlist Spots
- Backpack username lookup



Mad List Tracker



# Demo: DeFi Updates (new for Grizzlython)

## DeFi Updates (DeFi tab at the top of the Overview page)

- Usage (transactions and users) of various DeFi Protocols
- New Users of each protocol over time
- Signers vs Fee Payer user information





# Demo: Fee Tracking (new for Grizzlython)

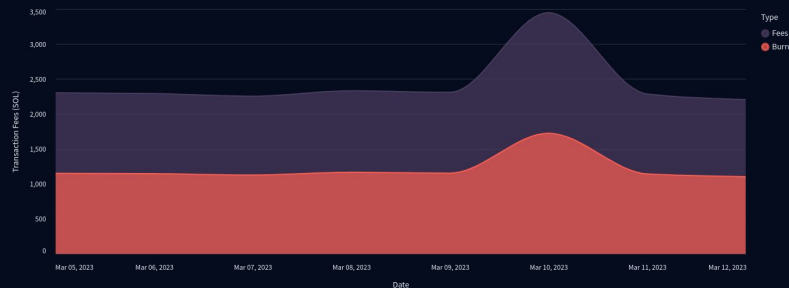
## Fee Tracking (`Ecosystem` tab at the top of the Overview page)

- Fee per transaction breakdown
- Total Fees per day

Fees per Transaction: Daily, Past 60d

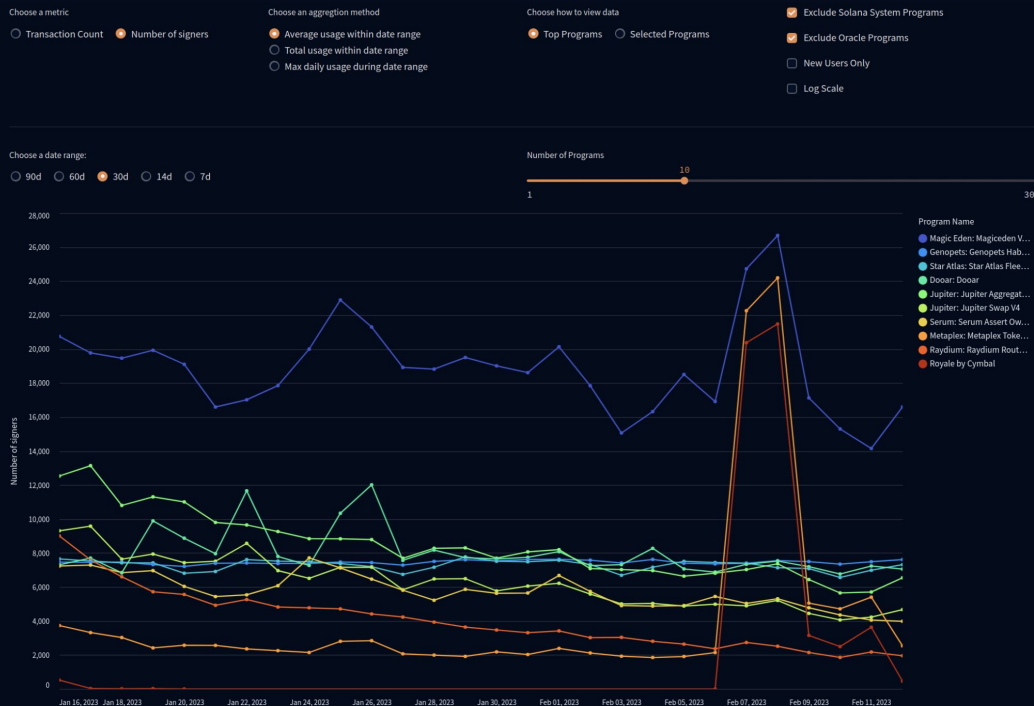


Total Fees and Fees Burned, Past 7dd



# Demo (Previous Work)

**Program Analysis**: view the most popular programs by usage across a variety of metrics



**Whale Watcher**: view large transactions from the past week (transfers, swaps, NFTs)

**Whale Watcher**: view large transactions from the past week (transfers, swaps, NF



### Instructions

Transfers Swaps NFT

## Whale Swaps

Any DEX Swap worth over \$50,000

☐ Log Scale

Swap 🐳 Transactions, past 7d

## What's next:

- Continued integration of additional data sources, improving data pipelines and infrastructure for more real time information
- Building more analyses! See what's [Coming Soon...](#)

Questions / comments /  
feedback?

Reach out to us on Twitter [@spire\\_fyi](#)!