ALCHEMIX

Alchemix Q4 2024 Report

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Introduction to Alchemix

Established in February 2021, Alchemix is a DeFi lending protocol that offers Self-Repaying loans without the risk of forced liquidations. Alchemix's value proposition is that it enables its users to access tokenized value against their deposits, while those deposits harness the power of DeFi to automatically pay down a borrower's loan balance over time. Conceived as a new tool for people to take advantage of the time value of money, Alchemix is tested and audited and then deployed on-chain using smart contracts to provide security, transparency, immutability, and uncensorable access to all.

A borrower's loan comes in the form of synthetic tokens known as alAssets. Alchemix currently offers alUSD to borrow against Dai, USDC, USDT and FRAX and alETH to borrow against ETH, rETH, stETH and frxETH. Alchemix establishes a 1:1 pairing between collateral types (Dai/USDC/USDT/FRAX and ETH/rETH/stETH/frxETH) and their pair alAssets via deep exchange liquidity and the Alchemix Transmuter, which provides a backstop for the alAsset price.

Alchemix is currently deployed on the Ethereum Mainnet, Optimism and Arbitrum networks.

This report provides relevant data for Q4 2024, 1st October 2024 to 1st January 2025.

Data sources for the numbers provided below include, but are not limited to, the Alchemix SubGraph, the Etherscan API, Bitquery and CoinGecko.

This document is not investment advice, nor should anything herein be construed as solicitation to buy or invest. This is solely for informational purposes only. The discussions in this Quarterly Report may contain forward-looking statements reflecting Alchemix's current expectations that involve risks and uncertainties. The words "anticipates," "believes," "could," "estimates," "expects," "intends," "may," "plans," "projects," "will," "would" and similar expressions are intended to identify *forward-looking statements, although not all forward-looking statements contain these identifying words. Alchemix may not actually achieve the plans, intentions or expectations, and you should not place undue reliance on Alchemix's forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in the forward-looking statements that Alchemix makes. These forward-looking statements involve risks and uncertainties that could cause Alchemix's actual results to differ materially from those in the forward-looking statements. Alchemix does not assume any obligation to update any forward-looking statements. The numbers that are being provided below, as of 1 January 2025, as well as other information disclosed in this document, are unaudited. The numbers in this document are a result of a good faith effort to read past data from the pertinent blockchain or other relevant data source. Some values are not readily accessible, and best efforts were made to ascertain the most accurate numbers or estimates.*

The preparation of this document requires estimates and assumptions that affect the reported amounts of assets, liabilities, revenues, costs and expenses, and related information.

Due to the wars in Ukraine and the Middle East, there has been uncertainty and disruption in the global economy and financial markets which could impact Alchemix's estimates and assumptions. These estimates may change as new events occur and additional information is obtained. Actual results could differ materially from these estimates under different assumptions or conditions.

This report was released on 2025.03.24.

Major Developments

The fourth quarter of 2024 brought many developments into the crypto space and into the Alchemix world, including the following:

- The protocol earned approximately $2.18 million in revenue for the quarter.
- alETH appreciated significantly towards the target price.
- Two additional Elixir pools created on Velodrome to boost liquidity on Optimism.
- Dinero's apxETH vault added on Mainnet.
- Jones DAO and Gearbox vaults added on Arbitrum.
- Large increases in the caps of several vaults.
- The new and improved Self-Repaying ENS is live.
- Rewards for alUSD-3CRV Curve pool have been retired.
- The Hercules X Alchemix Nitro Ignition Campaign ended.
- Two Alchemix Grant proposals were accepted.

Protocol Metrics

In this section we cover the most important metrics that indicate the sustainability and health of the protocol.

alAssets

The main challenge for the protocol is to maintain a strong price for the alAssets, meaning that they converge towards the price of the assets with which they are paired. If the protocol is successful in achieving and maintaining a strong price, then it enables the Alchemist deposit caps to be increased. In turn, with growing deposits, protocol revenue increases.
In essence, a good alAsset price results in growing revenues and profit for Alchemix.

Without a robust and healthy price for the alAssets, Alchemix's value proposition diminishes, as a lower price would mean an effective lowering of the LTV ratio of a user's deposit. A sustained exact 1:1 peg between alAssets and their pairs is not possible, but the protocol aims to maintain a steady price close to 1:1 to enhance predictability and value for users.

The price and liquidity for alUSD and alETH are achieved by establishing liquidity pools in Curve, Velodrome and RAMSES.

The alUSD and alETH price history charts can be seen below.

Alchemix has components called Elixirs (also known as AMOs), which are intended to help bolster the prices of alAssets. The mechanisms by which the Elixirs and the Transmuters help maintain alAsset prices is detailed in the *System Components* section below.

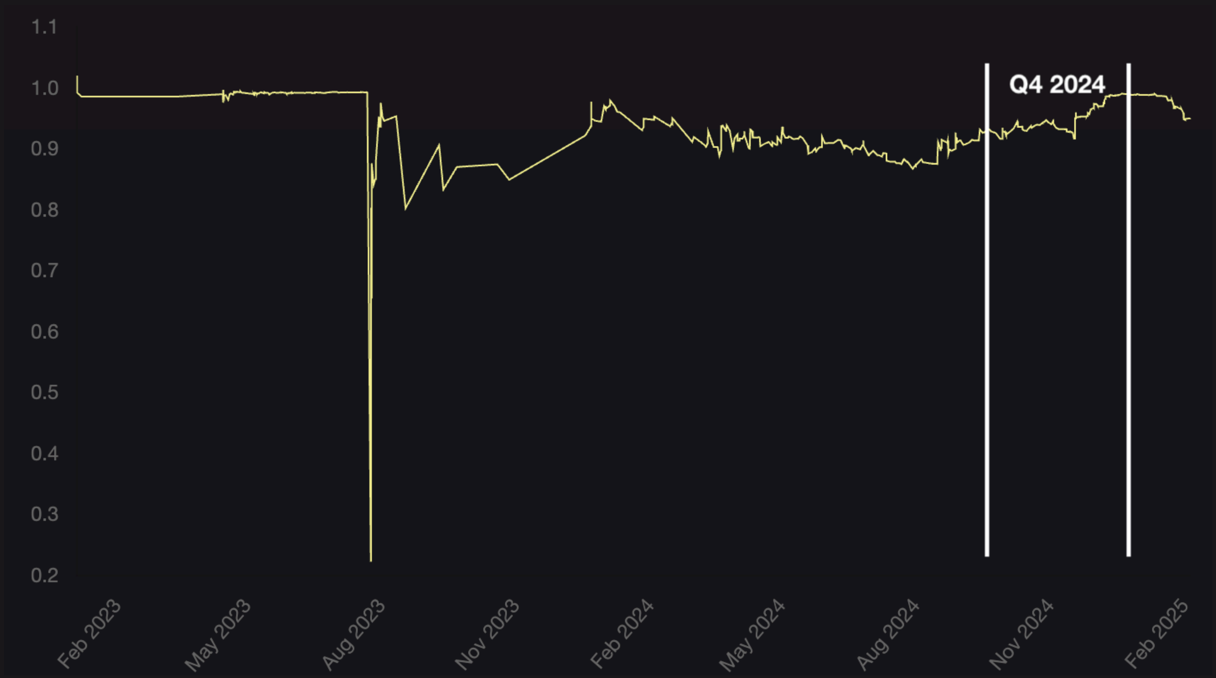
alUSD Price vs. USDC

Trade size	Oct 1st	Jan 1st
$1M	**0.992 (-0.80%)**	**0.986 (-1.40%)**

alUSD price vs. USDC

alETH Price vs. ETH

Trade size	Oct 1st	Jan 1st
500 ETH	**0.9263 (-7.37%)**	**0.9898 (-1.02%)**



alETH price vs. ETH

alUSD Liquidity Pools

Total size in all pools

Oct 1st	**$17.74M**	Jan 1st	**$18.36M**

Pool	Oct 1st	Jan 1st
Curve FRAXBP	**$14.04M**	**$15.12M**
Curve alUSD3CRV	**$0.75M**	**$0.65M**
Velodrome USDC-alUSD	**$2.41M**	**$2.14M**
Velodrome FRAX-alUSD	**$0.14M**	**$0.06M**
RAMSES FRAX-alUSD	**$0.40M**	**$0.39M**

alETH Liquidity Pools

Total size in all pools

Oct 1st	**7498 ($19.85M)**	Jan 1st	**9221 ($30.84M)**

Pool	Oct 1st	Jan 1st
Velodrome WETH-alETH	**1988 ($5.27M)**	**1481 ($4.96M)**
Velodrome frxETH-alETH	**110 ($0.29M)**	**384 ($1.29M)**
Curve frxETH-alETH	**3863 ($10.22M)**	**5664 ($18.97M)**
Curve WETH-alETH	**1177 ($3.12M)**	**1336 ($4.48M)**
RAMSES frxETH-alETH	**360 ($0.95M)**	**356 ($1.19M)**
ETH Price	**$2,650**	**$3,344**

alAsset Utility

Becoming embedded as part of the DeFi ecosystem substrate is of paramount importance for Alchemix.

Without a direct use for the alAssets (alUSD, alETH), the only action for users after taking an Alchemix loan is to swap their alAsset into something more "usable."
This puts the protocol under constant pressure to devote resources to maintaining the price and liquidity of these alAssets by utilizing ALCX emissions or its own non-native assets, both of which are value extractive for the protocol and for ALCX holders.

However, if the alAssets themselves can be used in a productive manner without requiring a swap, then it makes sense for users to hold these alAssets, which in turn takes pressure off of the protocol to maintain the prices. The fewer resources that Alchemix needs to devote to maintaining alAsset liquidity, the more resources are available to grow the protocol and generate revenue.

The following protocols provide direct use-cases for alAssets, where the assets themselves can be used in a productive manner, or simply allow Alchemix to provide cheaper liquidity.

Please note that we decided to exclude aggregator services that allow users to invest in the base alUSD and alETH liquidity pools, but which otherwise provide no additional incentives or special use-cases.

Holyheld

Holyheld focuses on bridging DeFi and traditional finance via the crypto debit card. It allows holders to top up their debit card balance using alUSD, alETH, ALCX and gALCX.
A product potentially funded by an Alchemix Grant is being worked on that would provide an even closer integration.

Website: https://holyheld.com

Curve & Convex

Through the Curve/Convex gauges, $1 of ALCX spent as bribes provides more than $1 worth of CRV/CVX emissions to liquidity providers. Curve and Convex are the most important protocols, as the main alAsset liquidity pools reside on Curve.

Websites: https://curve.fi and https://www.convexfinance.com

Stake DAO

Stake DAO allows Alchemix to increase its veCRV voting power by the usage of their own veCRV tokens.

For more details please refer to the *Strategic Token Accumulation* section in this document.

Website: https://stakedao.org

Frax Finance

Frax Finance has been a partner for Alchemix for some time, setting up and rewarding liquidity pools together. Multiple alUSD and alETH pools are operational with a FRAXBP (FRAX Base Pool), FRAX and frxETH pairings on Ethereum, Optimism and Arbitrum where Frax essentially pays for their own side of the liquidity.

Website: https://frax.finance

Velodrome

Velodrome Finance is the largest AMM by TVL on the Optimism L2 chain. As part of their launch campaign, they airdropped NFTs that provide voting power to notable projects, including Alchemix. Subsequent to receiving this NFT, Alchemix purchased additional VELO and uses this voting power to direct rewards to the alAsset pools that have been set up in Velodrome. Alchemix also provides bribes on Velodrome to help incentivize other veVELO holders to vote for Alchemix's liquidity pools.

For more details please refer to the *Strategic Token Accumulation* section in this document.

Website: https://velodrome.finance

Balancer & Aura

Balancer hosts the 80/20 ALCX-ETH liquidity pool, which is going to form the basis of the upcoming veALCX system. Through Balancer and Aura gauges, the protocol will be able to collect revenue by using its AURA stake to vote for the pool. If needed, these votes can be used for alAsset pools as well in the future.

Websites: https://balancer.fi and https://aura.finance

RAMSES

RAMSES is a DEX on the Arbitrum L2 chain. As part of their launch campaign, they airdropped NFTs that provide voting power to notable projects, including Alchemix. Alchemix uses this voting power to direct rewards to alAsset pools.

Website: https://www.ramses.exchange

Beefy Finance

Beefy Finance is a yield aggregator.
Beefy makes it easy to earn compounding yields on deposits, when one does not have the time to compound it daily or the gas fee is too high for frequent compounding to be done.

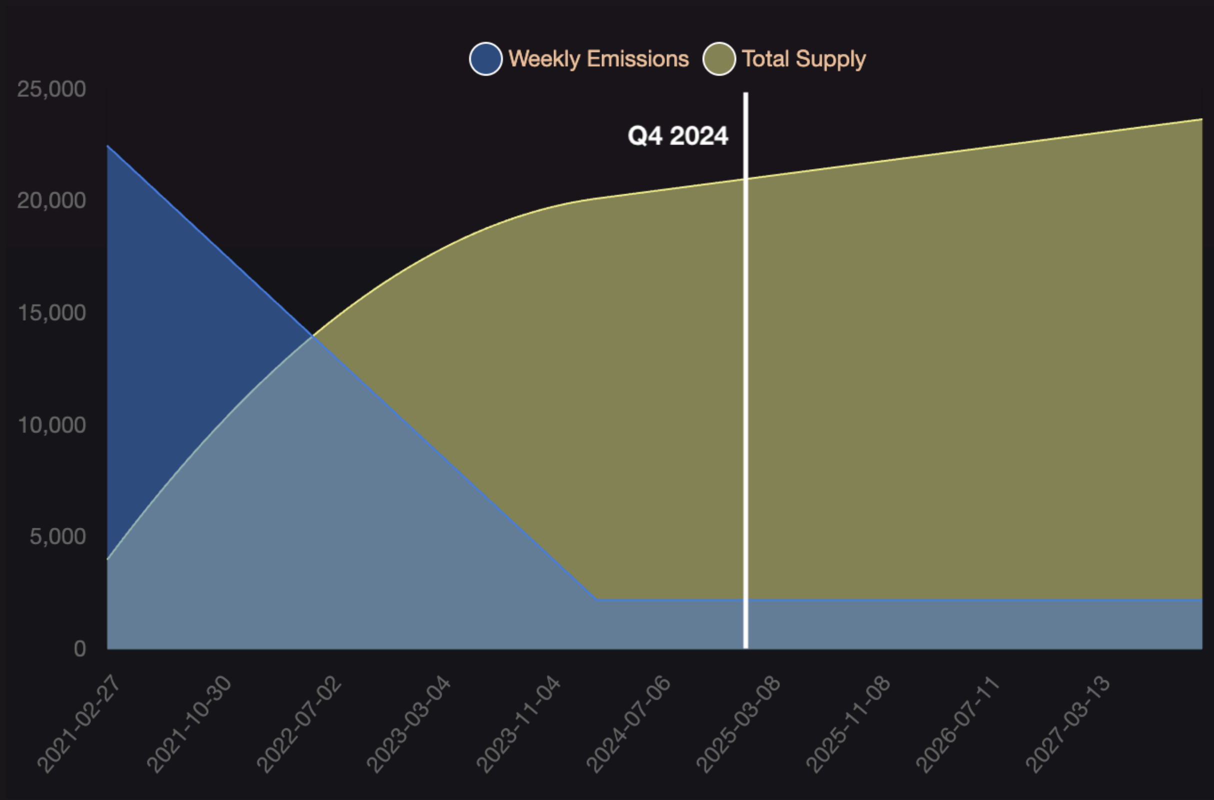
On Mainnet Beefy currently supports the ALCX-ETH 80/20 Balancer, alUSD-FRAXBP, and alETH-frxETH pools.
On Optimism Beefy currently supports the ALCX-USDC, alUSD-USDC, alUSD-FRAX, alUSD-DOLA, alETH-alUSD, pxETH-alETH, alETH-frxETH and alETH-WETH pools.
On Arbitrum Beefy currently supports the alETH-frxETH pool.

Website: https://beefy.finance

ALCX Governance Token

The governance token of the Alchemix protocol is ALCX. It allows users to influence protocol direction by voting on submitted proposals.
The continuous issuance of the ALCX token follows a pre-defined schedule.
Alchemix provides various staking options for holders to minimize the effects of token inflation.

Below, we provide information on current inflation numbers, future total supply expansion and the emission allocation.



As shown on the chart, the initial high token issuance rate decreased in a linear fashion, dropping to the baseline 2200 tokens emitted per week at the 3-year mark, which was in March 2024.
As of January 2025, annual inflation is ~4.5%, very slowly decreasing in perpetuity.

Effective Annualized Inflation Rate

This calculation compares new ALCX issued vs. the total supply. This includes all ALCX in existence, including treasury holdings that are outside of circulation.

2024.10.01.	2025.01.01.	2025.04.01. (Projected)
4.61%	**4.55%**	**4.50%**

ALCX emissions are used to support the strategic goals of the protocol. The biggest challenge, as laid out in the sections above, is sustaining a stable price for alAssets. In order for the protocol to be sustainable long term, it cannot rely solely on token emissions to support the alAsset prices. For this reason, the treasury started accumulating strategic assets, such as CRV, CVX, VELO, AURA and RAM to be able to support the liquidity pools without emissions.

The protocol is still incentivizing single-sided staking, ALCX liquidity, and alAsset liquidity by using ALCX emissions. However, it has begun the transition to using emissions for the purpose of accumulating strategic assets.

Direct liquidity incentives through emissions will be decreased while the protocol becomes self-sustaining.

System Components

Three main components work in tandem to provide the functionality for the Alchemix system. These are the Alchemists, Transmuters and the Elixirs (AMOs).

User deposits are held by the Alchemist contracts. The Elixir and Transmuter contracts also hold a significant amount of funds that are responsible for providing a backstop for alAsset redemption. The Transmuters redeem alAssets for their underlying collateral pairs 1:1, but do this slowly, over a longer period of time.

The Elixirs, on the other hand, own a portion of the main alAsset liquidity pools and can take action to ensure that trades in their respective liquidity pools can be fulfilled at a reasonable level that is determined by governance. The Elixirs also provide a large portion of protocol revenue by farming the liquidity pool tokens.

Both the alUSD and alETH Alchemist contracts permit a maximum Loan-to-Value ratio of 50%. This means that users can borrow up to half of the value of their stablecoin deposits as an alUSD-denominated loan or half of the value of their ETH deposits as an alETH-denominated loan.

Excess funds are being deployed in the Transmuters or in the Elixirs to provide price stability and to earn additional protocol revenue.

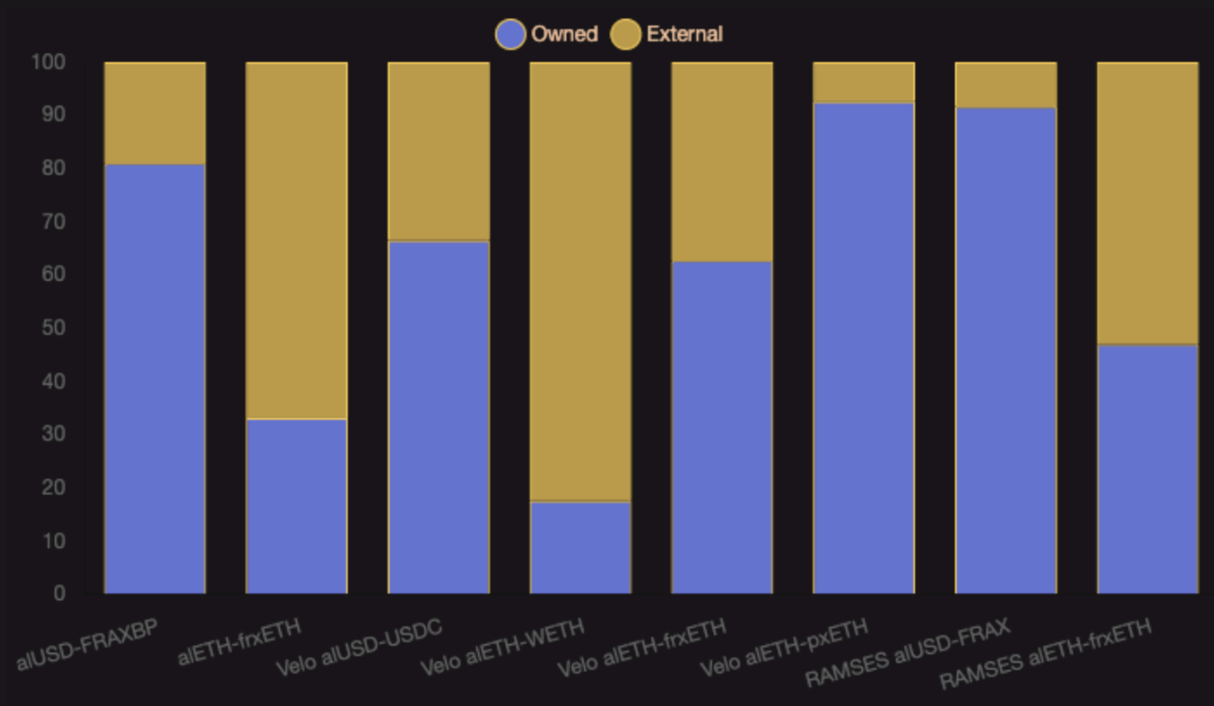
Elixir Contents

This quarter the Elixirs expanded by $2.26M (+10.7%) mostly as a result of the price of ETH increasing. Two additional Elixir pools were created on Velodrome.

	Oct 1st	Jan 1st	Change
Curve alUSD-FRAXBP	**$12.30M**	**$12.23M**	**-$0.07M (-0.6%)**
Curve alETH-frxETH	**$4.66M**	**$6.27M**	**+$1.61M (+34.5%)**
RAMSES alUSD-FRAX	**$0.36M**	**$0.36M**	**$0.00M (0.0%)**
RAMSES alETH-frxETH	**$0.41M**	**$0.55M**	**+$0.14M (+34.1%)**
Velodrome alUSD-USDC	**$1.44M**	**$1.42M**	**-$0.02M (-1.4%)**
Velodrome alETH-WETH	**$1.88M**	**$0.87M**	**-$1.01M (-53.7%)**
Velodrome alETH-pxETH		**$0.81M**	
Velodrome alETH-frxETH		**$0.8M**	
Total	**$21.05M**	**$23.31M**	**+$2.26M (+10.7%)**

Elixir Ownership of Main Liquidity Pools

As of quarter end, the protocol owned 81% of the alUSD-FRAXBP pool, 33% of the alETH-frxETH pool and significant percentages of the main liquidity pools. This means that out of all the CRV/CVX/VELO/RAM emissions that go to these pools, which are mainly incentivized by Alchemix itself, the protocol makes back a considerable portion. This also provides power in defining the price of assets in these pools.



Treasury, Revenues and Expenses

Strategic Token Accumulation

The main goal of the Alchemix treasury is to use its value to support and expand the protocol. It acquires assets that it can use to provide a sufficient amount of liquidity for the needs of the protocol, or use for some other strategic purpose.

As a baseline, this is done by investing protocol revenue into these assets.

CVX (Convex Finance)

Using Olympus Pro bonding services in the past, Alchemix accumulated CVX tokens in exchange for ALCX tokens. Alchemix also earns CVX from staked liquidity pool tokens and locked CVX tokens. These CVX tokens are used with Convex Finance to direct Curve Finance emissions. This, in turn, incentivizes liquidity, and earns revenue for the protocol.

ALCX-ETH 80/20 Balancer Pool

Pursuant to AIP-82A, and in preparation for the rollout of veALCX, the protocol migrated its ALCX-ETH Sushi liquidity to an 80/20 ALCX-ETH Balancer pool. The protocol accrues trading fees and BAL+AURA rewards from this pool.

sdCRV (Stake DAO CRV)

CRV (Curve) tokens can be permanently locked as sdCRV tokens in Stake DAO's smart contracts, similar to how CRV is permanently locked in Convex as cvxCRV. Stake DAO then enables holders to vote on Curve gauges through their platform. Stake DAO itself also holds CRV tokens, and they use these assets to boost the voting power of sdCRV holders, if they also hold the protocol's (staked) governance token veSDT.

For this reason, the Alchemix treasury holds veSDT tokens alongside a large stack of sdCRV tokens.

VELO (Velodrome)

Velodrome Finance is the largest AMM by TVL on the Optimism L2 chain. As part of their launch campaign they airdropped NFTs that provide voting power to notable projects, including Alchemix. Alchemix uses this voting power to direct rewards to relevant alAsset pools (such as alUSD-USDC and alETH-WETH) that have been set up in Velodrome.

As per AIP-59, additional VELO was purchased and locked as veVELO.

AURA (Aura Finance)

AURA tokens are used within Aura Finance to direct BAL (Balancer) and AURA emissions. This, in turn, incentivizes liquidity, and earns revenue for the protocol. Protocol-owned ALCX-ETH Balancer Pool Tokens are staked in Aura to recapture a large percentage of AURA and BAL emissions.

As per AIP-82B, the first batch of AURA tokens was purchased and subsequently locked.

RAM (RAMSES)

RAMSES is a decentralized exchange on Arbitrum that is based on the Solidly model. As part of their launch campaign, they airdropped NFTs that provide voting power to notable projects, including Alchemix.
Alchemix uses its voting power to direct rewards to its relevant alAsset pools.

AERO (Aerodrome Finance)

Aerodrome is a decentralized exchange on the Base L2 chain. It is based on the Velodrome model. It intends to be a marketplace for liquidity. Alchemix was a recipient of one of the initial AERO airdrops. Alchemix is currently using its AERO position to generate revenue.

Treasury Contents

A treasury dashboard that highlights revenues and expenses, as well as assets and liabilities, can be found at https://alchemix-stats.com.

The table below does not contain ALCX holdings.

	Oct 1st	Jan 1st	Change QoQ
ETH	**$2.88M (1087)**	**$6.24M (1861)**	**+$3.36M (+116.7%)**
CVX	**$0.80M (376,000)**	**$1.69M (368,000)**	**+$0.89M (+111.3%)**
ALCX-ETH LP*	**$0.65M**	**$0.81M**	**+$0.16M (+24.6%)**
SDT	**$0.35M (1.30M)**	**$0.7M (1.30M)**	**+$0.35M (+100.0%)**
sdCRV	**$1.30M (4.44M)**	**$2.69M (4.53M)**	**+$1.39M (+106.9%)**
VELO	**$1.64M (15.33M)**	**$2.53M (14.19M)**	**+$0.89M (+54.3%)**
AURA	**$0.20M (554,000)**	**$0.41M (1.04M)**	**+$0.21M (+105.0%)**
RAM	**$0.30M (12.6M)**	**$0.36M (13.5M)**	**+$0.06M (+20.0%)**
AERO	**$2.14M (1.79M)**	**$2.47M (1.83M)**	**+$0.33M (+15.4%)**
Stablecoins	**$1.63M**	**$1.13M**	**-$0.50M (-30.7%)**
Other	**$0.66M**	**$1.16M**	**+$0.50M (+75.8%)**
Total	**$12.55M**	**$20.19M**	**+$7.64M (+60.9%)**

*ALCX-ETH only includes the ETH portion of the pair

Protocol Revenue

The following shows protocol revenue for Q4 2024. The revenue is denominated in the USD value of the tokens earned at the time that the tokens were claimed. Included is revenue earned by the protocol's Elixirs, and revenue earned from harvest fees on Mainnet, Optimism, Arbitrum, a Velodrome veNFT on Optimism, a RAMSES veNFT on Arbitrum, and an Aerodrome veNFT on Base. This report also does not include tokens whose total revenue was less than $1,000 for the quarter or revenue on chains that are not yet supported by Alchemix's bookkeeping provider.

Token	Revenue Earned	Token	Revenue Earned
CRV	$1,134,820.80	CVX	$18,399.93
VELO	$205,572.22	AURA	$14,023.13
WETH	$172,013.23	FYDE	$12,289.10
FXS	$157,673.30	ARB	$10,121.58
USDC	$137,072.06	Dai	$8,562.40
ALCX	$135,354.16	sdFRAX3CRV-f	$7,983.40
OP	$67,020.67	alUSD	$1,812.73
BAL	$40,582.83	SDT	$1,382.74
sdCRV	$38,826.23	alETH	$1,295.16
RAM	$18,715.40		
TOTAL			**$2,183,521.00**

Expenses

The DAO is currently approved for $450,000 in expenses per quarter to pay contributors, services, audits, bug bounty programs, transaction gas costs, etc.
An additional 20% of all emissions go to the core development team, part of which also funds the business development and governance (bizgov), the newsletter/reporting subDAOs, as well as payments for support/moderator contributors. It should be noted that this approval does not cover the expenses incurred in incentivizing market participants, such as bribing on Votium and elsewhere.

Expense Category	**Amount Spent**	**Expense Category**	**Amount Spent**
Protocol Incentives	$1,365,334.50	Subscriptions	$6,893.32
Payroll	$320,514.88	Refunds	$4,240.90
Service fees/expenses	$47,326.13	Expense Reimbursement	$3,548.86
Donations/Grants	$11,995.86	Gas Fees	$1,404.83
Development/ testing	$8,002.23		
Total			**$1,769,261.51**

N.B. - Many protocol revenues, as well as protocol incentives and some other expenses are paid with non-monetary transactions using volatile assets, such as CRV, ALCX and OP. Given the volatile nature of their pricing, especially in a highly dynamic market such as this, it is very challenging to directly compare revenues and expenses.

Ethereum, Optimism and Arbitrum

The following section provides information for protocol and user activity on the Ethereum Mainnet network, and the Optimism L2 and Arbitrum L2 networks.

Yield Harvests

Yield harvests enable Alchemix's self-repaying loans. Harvests are periodic withdrawals of yield generated by funds deposited in the Yearn vaults and other strategies. These harvested yields are then used to proportionally pay down depositors' loans. Yield harvests are not on any set schedule. They generally happen when enough yield has been amassed and transaction fees are low enough for the harvest to make financial sense. 10% of the yield that is harvested is captured by Alchemix as a service fee.

Total Harvests on Mainnet at Quarter End

	yvUSDC	yvDai	yvUSDT	aUSDC	aDai
Q1 2024	**2,001**	**93,500**	**410**	**200**	**200**
Q2 2024	**2,000**	**0.1M**	**0**	**400**	**400**
Q3 2024	**1,000**	**60,600**	**0**	**200**	**0**
Q4 2024	**2,500**	**84,600**	**0**	**409**	**0**

	aUSDT	vaUSDC	vaDai	aFRAX	vaFRAX
Q1 2024	**0**	**8,800**	**0**	**690**	**2,400**
Q2 2024	**0**	**7,700**	**0**	**0**	**5,500**
Q3 2024	**0**	**3,200**	**0**	**0**	**2,300**
Q4 2024	**0**	**6,000**	**0**	**0**	**3,100**

	wstETH	rETH	yvWETH	aWETH	vaETH	sfrxETH
Q1 2024	**33.18**	**7.27**	**65.19**	**0.53**	**0**	**3.9**
Q2 2024	**13.7**	**2.2**	**83.4**	**0**	**0**	**5.1**
Q3 2024	**22.9**	**5**	**73.5**	**0.5**	**0**	**3.7**
Q4 2024	**20.9**	**0**	**79.5**	**0**	**0**	**3.6**

For information regarding yield on the rETH vault, follow this Discord link.

Total Harvests on Optimism at Quarter End

	aDai	aUSDC	aUSDT	yvUSDC	yvDai
Q1 2024	**200**	**1,900**	**0**	**2,000**	**550**
Q2 2024	**415**	**1,300**	**400**	**4,500**	**2,200**
Q3 2024	**402**	**11,300**	**100**	**560**	**4,500**
Q4 2024	**900**	**17,700**	**100**	**0**	**106**

	aWETH	wstETH	yvWETH
Q1 2024	**0.25**	**0**	**0.24**
Q2 2024	**0.4**	**0.5**	**3.5**
Q3 2024	**0.3**	**5.6**	**0.3**
Q4 2024	**0.3**	**13.1**	**0.3**

Total Harvests on Arbitrum at Quarter End

	aUSDC	jUSDC	wstETH	gearboxETH
Q2 2024	**2,100**	**-**	**0.8**	**-**
Q3 2024	**6,100**	**-**	**2**	**-**
Q4 2024	**10,000**	**1,500**	**1.8**	**0.1**

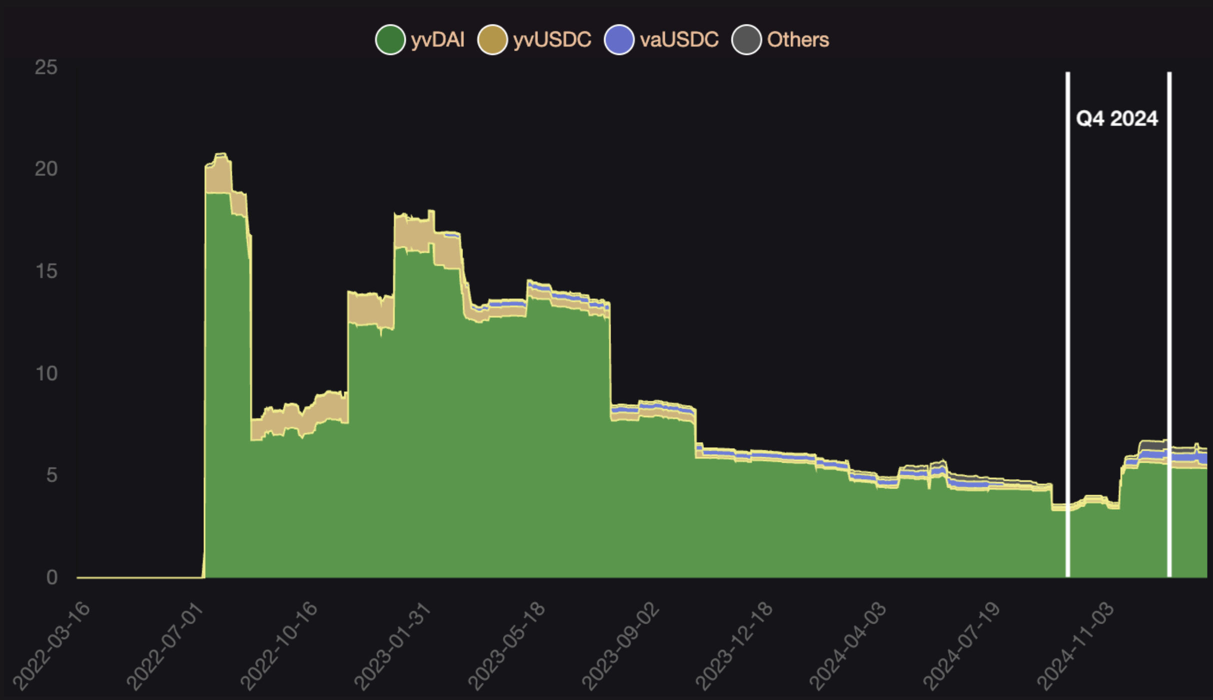
Deposits and User Metrics v1

The Alchemist v1 contracts were officially deprecated on the 13th of October 2022. The funds were moved to a temporary migration contract, and there were still some amount of funds left in this contract at the end of this quarter, namely $0.6M of Dai and $0.19M of ETH.

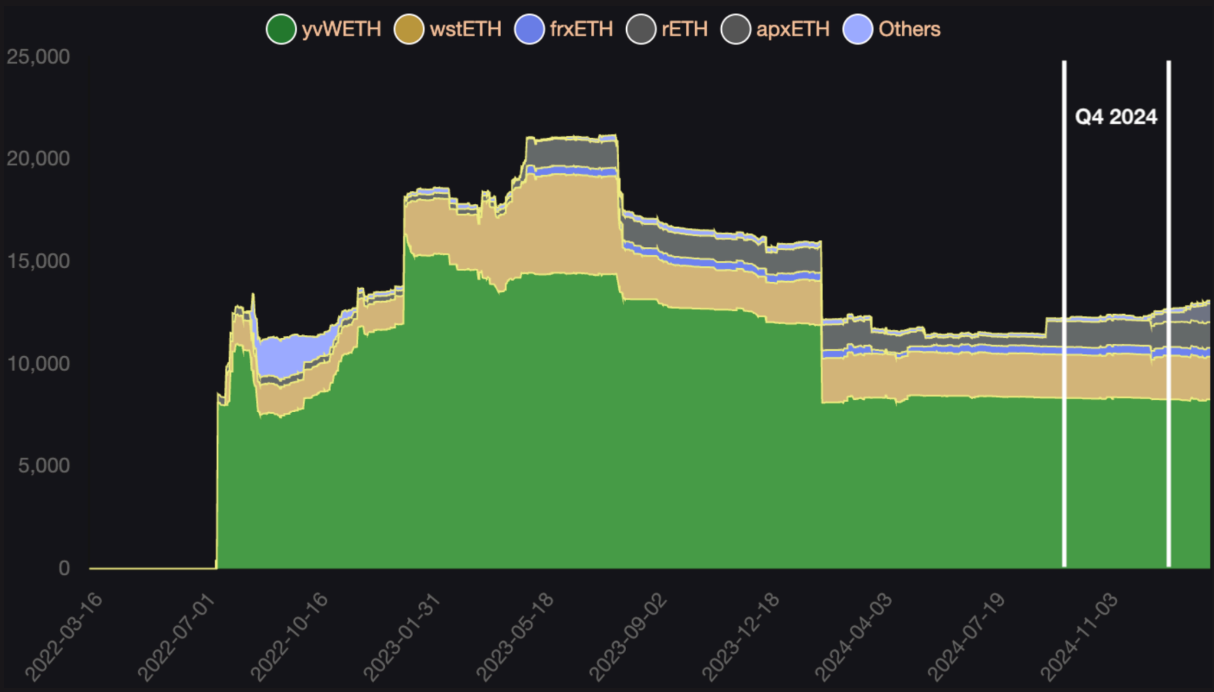
Deposits and User Metrics

This section provides numbers for user activity in the protocol's contracts. All data is for Q4 of 2024.

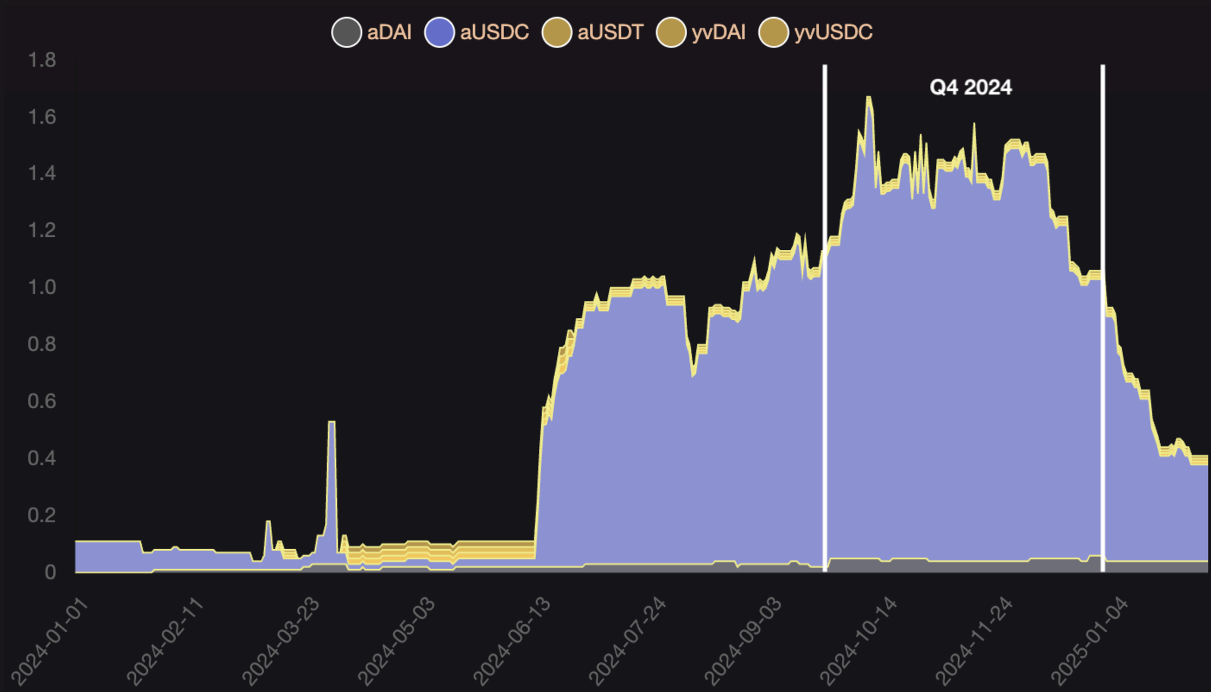
Mainnet Stablecoin Deposits



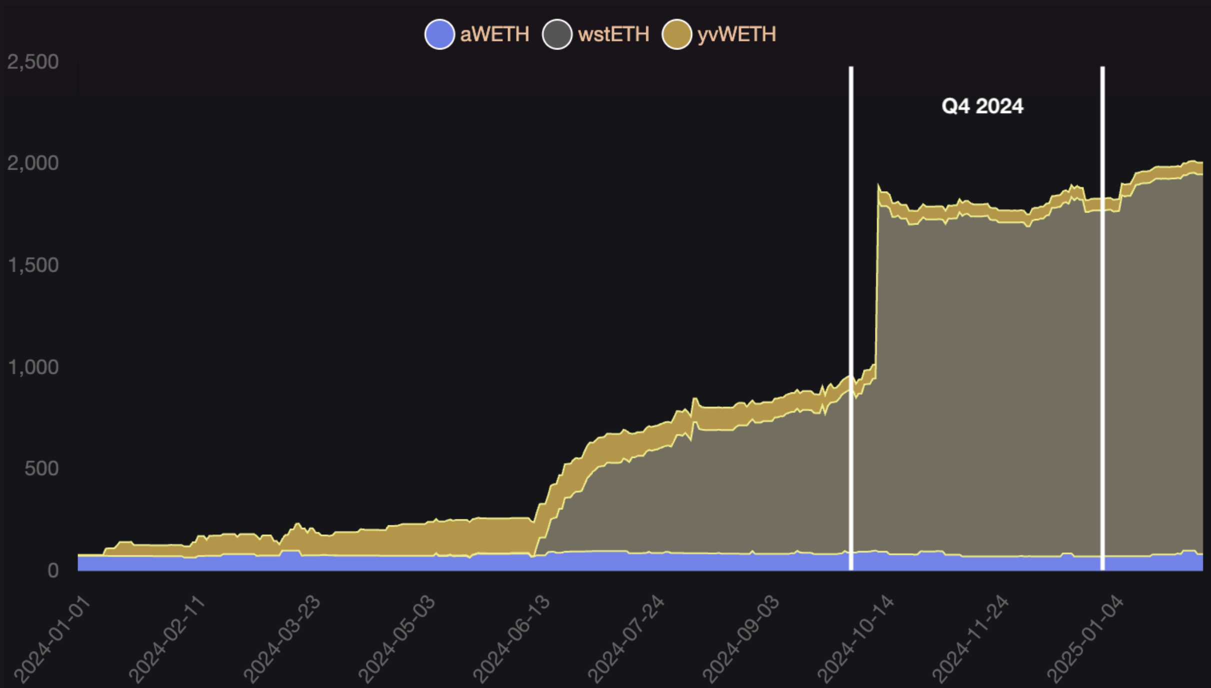
Mainnet ETH Deposits



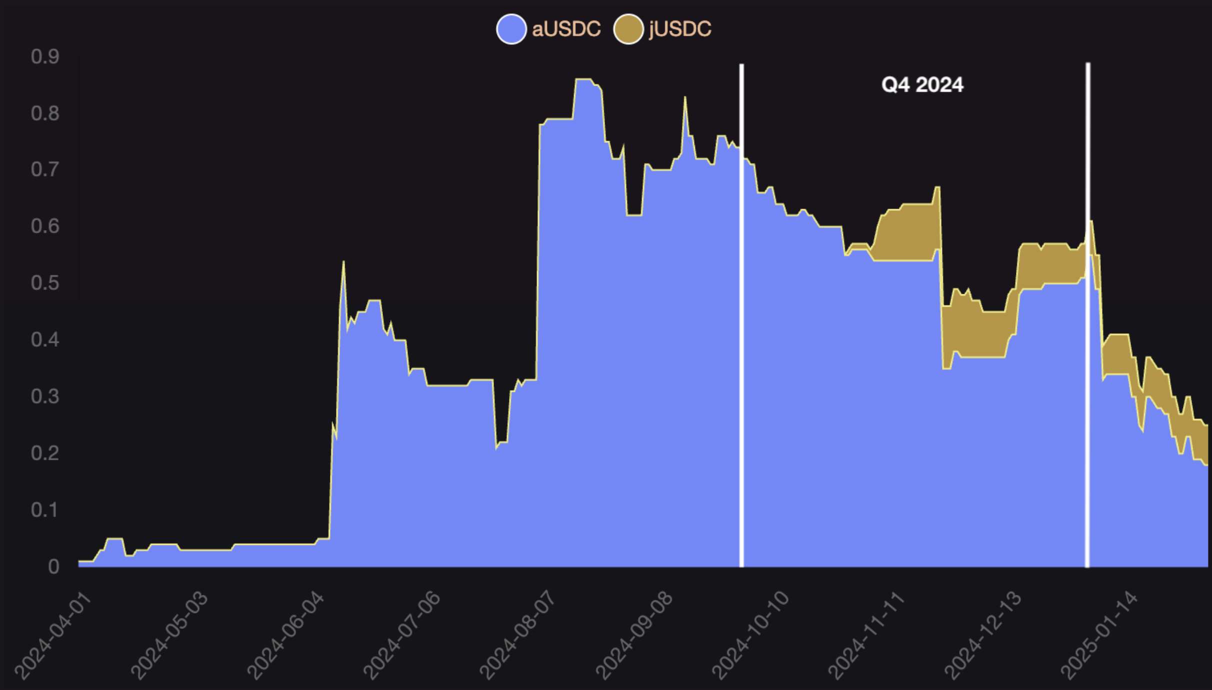
Optimism Stablecoin Deposits



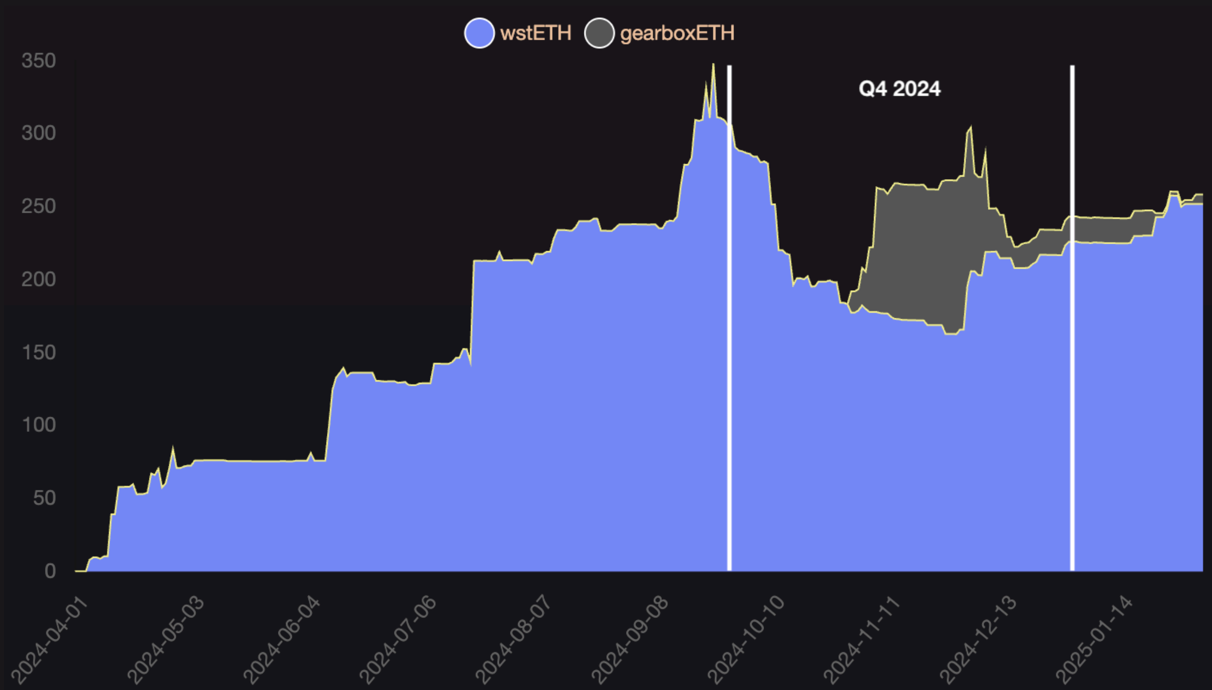
Optimism ETH Deposits



Arbitrum Stablecoin Deposits



Arbitrum ETH Deposits



Net Deposits on Mainnet at Quarter End

	Oct 1st	Jan 1st	Change QoQ
Stablecoins	**$3.96M**	**$7.31M**	**+$3.35M (+84.6%)**
ETH	**$36.77M (13497)**	**$46.77M (13534)**	**+$10.00M (+27.2%)**
Total	**$40.73M**	**$54.08M**	**+$13.35M (+32.8%)**

Net Deposits on Optimism at Quarter End

	Oct 1st	Jan 1st	Change QoQ
Stablecoins	**$1.13M**	**$0.93M**	**-$0.20M (-17.7%)**
ETH	**$2.39M (903)**	**$6.13M (1828)**	**+$3.74M (+156.5%)**
Total	**$3.52M**	**$7.06M**	**+$3.54M (+100.6%)**

Net Deposits on Arbitrum at Quarter End

	Oct 1st	Jan 1st	Change QoQ
Stablecoins	**$0.68M**	**$0.56M**	**-$0.12M (-17.6%)**
ETH	**$0.78M (294)**	**$0.82M (243)**	**+$0.04M (+5.1%)**
Total	**$1.46M**	**$1.38M**	**-$0.08M (-5.5%)**

Gross Deposits Mainnet

	yvUSDC	yvDai	yvUSDT	aUSDC	aDai
Q1 2024	**1,150**	**50,000**	**0**	**9,940**	**4,440**
Q2 2024	**65,000**	**1.3M**	**2,900**	**20,000**	**21,000**
Q3 2024	**45,000**	**0.17M**	**0**	**0.32M**	**56**
Q4 2024	**0.28M**	**3.14M**	**47,000**	**0.22M**	**62,000**

	aUSDT	vaUSDC	vaDai	aFRAX	vaFRAX
Q1 2024	**0**	**35,390**	**137**	**12,000**	**0.11M**
Q2 2024	**0**	**97,000**	**28,000**	**0**	**0.13M**
Q3 2024	**0**	**6,300**	**28,000**	**0**	**546**
Q4 2024	**0.12M**	**0.43M**	**0**	**0**	**0.44M**

	wstETH	rETH	yvWETH	aWETH	vaETH	sfrxETH	apxETH
Q1 2024	**242**	**126**	**747**	**0**	**0.01**	**86.1**	**-**
Q2 2024	**249**	**134**	**670**	**24**	**23**	**330**	**-**
Q3 2024	**75**	**1,000**	**130**	**42**	**0**	**2**	**-**
Q4 2024	**517.5**	**17.9**	**435.1**	**199.7**	**1.5**	**61.1**	**497.4**

Gross Deposits Optimism

	aDai	aUSDC	aUSDT	yvUSDC	yvDai
Q1 2024	**32,600**	**0.58M**	**9,800**	**0.51M**	**0.2M**
Q2 2024	**47,800**	**1.12M**	**51,000**	**52,000**	**70,300**
Q3 2024	**76,200**	**1.72M**	**25,000**	**0**	**0**
Q4 2024	**29,300**	**7.3M**	**27,900**	**0**	**0**

	aWETH	wstETH	yvWETH
Q1 2024	**63**	**0.01**	**364**
Q2 2024	**133.7**	**394**	**87.4**
Q3 2024	**96**	**929**	**2**
Q4 2024	**81**	**2,102**	**0**

Gross Deposits Arbitrum

	aUSDC	jUSDC	wstETH	gearboxETH
Q2 2024	**0.76M**	**-**	**244**	**-**
Q3 2024	**1.11M**	**-**	**472**	**-**
Q4 2024	**0.51M**	**0.14M**	**166.3**	**116.1**

Number of Unique Depositors Mainnet

	Q1	Q2	Q3	Q4
alUSD Alchemist	**26**	**54**	**69**	**37**
alETH Alchemist	**64**	**86**	**63**	**45**

Tokens Minted Mainnet

	Q1	Q2	Q3	Q4
alUSD	**0.12M**	**1.2M**	**0.23M**	**2.3M**
alETH	**738**	**752**	**230**	**860**

Number of Unique Depositors Optimism

	Q1	Q2	Q3	Q4
alUSD Alchemist	34	5k	3k	265
alETH Alchemist	39	5k	4k	4.6k

Tokens Minted Optimism

	Q1	Q2	Q3	Q4
alUSD	0.64M	0.49M	0.70M	0.58M
alETH	185	255	344	359

Number of Unique Depositors Arbitrum

	Q2	Q3	Q4
alUSD Alchemist	70	6k	357
alETH Alchemist	62	3k	134

Tokens Minted Arbitrum

	Q2	Q3	Q4
alUSD	0.32M	0.51M	0.34M
alETH	89	176	140

First-time depositors on Mainnet

Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
293	248	172	64	51	56	92	103	39

First-time depositors on Optimism

Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024	Q4 2024
72	44	31	32	36	42	5.8k	3.4k	2.1k

First-time depositors on Arbitrum

Q2 2024	Q3 2024	Q4 2024
110	6.1k	128

The above table shows the number of first-time depositors on Mainnet, Optimism and Arbitrum Alchemists by quarter. This is measured by addresses making first-time deposits, not individual people, as it is impossible to know what addresses are controlled by whom. It is possible that some individuals have made multiple deposits in Alchemix across multiple addresses.

Withdrawals Mainnet

	yvUSDC	yvDai	yvUSDT	aUSDC	aDai
Q1 2024	**35,000**	**0.94M**	**24,200**	**242**	**0**
Q2 2024	**35,000**	**0.89M**	**2,800**	**650**	**4,700**
Q3 2024	**41,000**	**0.85M**	**3,000**	**0.32M**	**0.13M**
Q4 2024	**50,000**	**0.41M**	**36,000**	**0.22M**	**48,000**

	aUSDT	vaUSDC	vaDai	aFRAX	vaFRAX
Q1 2024	**440**	**3,600**	**49**	**0**	**12,000**
Q2 2024	**0**	**35,000**	**12,800**	**52,100**	**4,500**
Q3 2024	**0**	**0.28M**	**14,000**	**0**	**0.19M**
Q4 2024	**0.11M**	**15,000**	**396**	**0**	**7,500**

	wstETH	rETH	yvWETH	aWETH	vaETH	sfrxETH	apxETH
Q1 2024	**102**	**492**	**4,400**	**78**	**0**	**325**	**-**
Q2 2024	**208**	**467**	**515**	**80**	**0.1**	**99**	**-**
Q3 2024	**60**	**39**	**76**	**30**	**1**	**7**	**-**
Q4 2024	**379**	**62**	**332**	**168**	**1.5**	**7**	**0.1**

Withdrawals Optimism

	aDai	aUSDC	aUSDT	yvUSDC	yvDai
Q1 2024	**5,800**	**0.22M**	**10,300**	**0.34M**	**0.22M**
Q2 2024	**47,500**	**0.74M**	**42,700**	**0.2M**	**3,200**
Q3 2024	**50,300**	**1.3M**	**27,200**	**46,100**	**39,200**
Q4 2024	**6,700**	**7.5M**	**29,000**	**10,100**	**4,000**

	aWETH	wstETH	yvWETH
Q1 2024	63	0	277
Q2 2024	107	10	16.7
Q3 2024	105	394	96
Q4 2024	97	998	10.3

Withdrawals Arbitrum

	aUSDC	jUSDC	wstETH	gearboxETH
Q2 2024	0.36M	-	92	-
Q3 2024	0.73M	-	279.6	-
Q4 2024	0.75M	67,000	243	98

Self-Liquidations Mainnet

	yvUSDC	yvDai	yvUSDT	aUSDC	aDai
Q1 2024	0	0.17M	2,100	20,100	0
Q2 2024	0	0.76M	0	523	0
Q3 2024	6,700	0.38M	0	4	3
Q4 2024	5,300	39,400	0	3,800	14,300

	aUSDT	vaUSDC	vaDai	aFRAX	vaFRAX
Q1 2024	0	8,100	0	0	11,400
Q2 2024	0	69	180	0	0.001
Q3 2024	0	0	12,299	0	0
Q4 2024	0	9,300	0	0	0

	wstETH	rETH	yvWETH	aWETH	vaETH	sfrxETH	apxETH
Q1 2024	**6.78**	**2.46**	**143**	**4.3**	**0.5**	**0**	**-**
Q2 2024	**41**	**162**	**58**	**0**	**0.5**	**0**	**-**
Q3 2024	**28**	**0**	**17**	**7.5**	**0**	**0**	**-**
Q4 2024	**84**	**0**	**96**	**0**	**0.5**	**0**	**0.1**

Self-Liquidations Optimism

	aDai	aUSDC	aUSDT	yvUSDC	yvDai
Q1 2024	**433**	**6,900**	**0**	**0**	**310**
Q2 2024	**1,899**	**10**	**10**	**0**	**0**
Q3 2024	**7,600**	**52,100**	**82**	**0**	**40**
Q4 2024	**10,400**	**37,400**	**115**	**2,500**	**0**

	aWETH	wstETH	yvWETH
Q1 2024	**0.09**	**0**	**0**
Q2 2024	**6.4**	**0.02**	**0.5**
Q3 2024	**0.3**	**0.23**	**0**
Q4 2024	**0.1**	**3.6**	**0**

Self-Liquidations Arbitrum

	aUSDC	jUSDC	wstETH	gearboxETH
Q2 2024	**11,600**	**-**	**0.4**	**-**
Q3 2024	**64,500**	**-**	**0.12**	**-**
Q4 2024	**1,200**	**5,900**	**1.9**	**0**

Repayments Mainnet

	USDC	Dai	USDT	FRAX	alUSD	ETH	alETH
Q1 2024	8,600	30,100	7,600	0	0.29M	47.25	1,230
Q2 2024	19,900	5,000	186	1,190	0.37M	0.54	524
Q3 2024	44,400	3	0	0	0.32M	0.001	64
Q4 2024	16,400	3,400	0	0	0.25M	6.1	291.5

Repayments Optimism

	USDC	Dai	USDT	alUSD	ETH	alETH
Q1 2024	4,500	1,600	850	0.32M	0.2	140
Q2 2024	152	5,000	61	0.41M	1.03	45
Q3 2024	541	4,700	187	0.40M	1	148
Q4 2024	4,000	2,700	3,400	0.58M	0.2	203

Repayments Arbitrum

	USDC	alUSD	ETH	alETH
Q2 2024	0.5	0.17M	1.2	18
Q3 2024	2,400	0.22M	1.1	95
Q4 2024	1,300	0.39M	0.02	146

Transmuter Deposits Mainnet

	USDC	Dai	USDT	FRAX	ETH
Q1 2024	**43,600**	**0.34M**	**20,100**	**16,500**	**1,633**
Q2 2024	**57,700**	**1.3M**	**10,400**	**7,100**	**782**
Q3 2024	**73,800**	**0.72M**	**0**	**1,700**	**694**
Q4 2024	**51,700**	**0.16M**	**0**	**5,700**	**334**

Transmuter Deposits Optimism

	USDC	Dai	USDT	ETH
Q1 2024	**3,900**	**1,500**	**1,500**	**750**
Q2 2024	**85,900**	**31,400**	**5,900**	**362**
Q3 2024	**0.42M**	**0.11M**	**462**	**351**
Q4 2024	**0.30M**	**63**	**16**	**307**

Transmuter Deposits Arbitrum

	USDC	ETH
Q2 2024	**0.15M**	**35**
Q3 2024	**0.15M**	**27**
Q4 2024	**0.18M**	**31**

Transmuter Withdrawals Mainnet

	USDC	Dai	USDT	FRAX	ETH
Q1 2024	**4,050**	**41,000**	**0**	**0**	**870**
Q2 2024	**27,300**	**0.31M**	**295**	**0**	**529**
Q3 2024	**20,000**	**0.42M**	**0**	**1,100**	**459**
Q4 2024	**0**	**67,400**	**0**	**0**	**372**

Transmuter Withdrawals Optimism

	USDC	Dai	USDT	ETH
Q1 2024	**1,200**	**70**	**1,500**	**806**
Q2 2024	**68,800**	**8,900**	**5,200**	**344**
Q3 2024	**0.35M**	**95,800**	**413**	**398**
Q4 2024	**0.27M**	**63**	**0**	**298**

Transmuter Withdrawals Arbitrum

	USDC	ETH
Q2 2024	**0.13M**	**21**
Q3 2024	**75,600**	**24**
Q4 2024	**0.15M**	**29**

Transmuter Claims Mainnet

	USDC	Dai	USDT	FRAX	ETH
Q1 2024	**49,200**	**0.28M**	**20,100**	**16,500**	**162**
Q2 2024	**23,300**	**0.85M**	**10,100**	**6,100**	**287**
Q3 2024	**55,500**	**0.26M**	**0**	**1,500**	**180**
Q4 2024	**27,300**	**0.32M**	**0**	**710**	**243**

Transmuter Claims Optimism

	USDC	Dai	USDT	ETH
Q1 2024	**14K**	**1,100**	**800**	**0.68**
Q2 2024	**6,200**	**11,100**	**0.5**	**10.2**
Q3 2024	**50,900**	**16,600**	**627**	**6**
Q4 2024	**62,300**	**0**	**33**	**14**

Transmuter Claims Arbitrum

	USDC	ETH
Q2 2024	**0**	**0.98**
Q3 2024	**0**	**0.78**
Q4 2024	**0**	**1**

Other Networks

The following section provides information for activity on other networks.

Liquidity Deployments

While the deployment of Alchemix vaults is not planned anywhere outside of the current chains (Ethereum, Optimism, Arbitrum), alAsset liquidity is deployed on other Ethereum L2s and is planned to continue to be rolled out to even more chains.

At the close of this quarter, Metis and Linea have bridging and alAsset liquidity deployed.

Grant Metrics

Alchemix occasionally receives grants from third parties for the purposes of helping to provide incentives to users. Below are some of the metrics.

Number of alETH used to boost yield as a part of a grant program in Q4:
Optimism: 28
Arbitrum: 1.6

Number of alUSD used to boost yield as a part of a grant program in Q4:
Optimism: 31,000
Arbitrum: 3,300

Other Information

This section covers other non-numerical and/or interesting information, such as governance updates.

Governance

The following are Governance proposals that were voted on in Q4 2024:

- **AIP-115: Burn Elixir alAssets.** This proposal sought authorization to burn Elixir alAssets that cannot be deployed without affecting alAsset prices and are a security consideration.
  See the snapshot here.
  The proposal passed with 100% of the vote. 41.9K ALCX voted for the proposal, 31.9 ALCX abstained, and 0 ALCX voted against.

- **AIP-116: Whitelist Wormhole as Bridging Provider.** This proposal sought to add Wormhole as a bridging provider that has faster bridging but at a lower rate than current provider Connext.
  See the snapshot here.
  The proposal passed with 99.7% of the vote. 44.7K ALCX voted for the proposal, 0 ALCX abstained, and 128.1 ALCX voted against.

Other Statistics

- The numbers for some of this report's metrics are available for review here and here.
- See Google Trends for Alchemix here.

Links

- Alchemix website
- Alchemix Newsletter
- Alchemix statistics
- Alchemix GitHub (includes contract addresses)
- Alchemix Development GitBook
- Alchemix User Docs
- Alchemix Quarterly Financial Reports