



Alchemix Q2 2024 Report

Table of contents

Alchemix Q2 2024 Report	1
Table of contents	2
Introduction to Alchemix	4
Major Developments	5
Protocol Metrics	6
alAssets	6
alUSD Price vs. USDC	7
alETH Price vs. ETH	8
alUSD Liquidity Pools	9
alETH Liquidity Pools	10
alAsset Utility	11
Premia	11
Holyheld	12
Curve & Convex	12
Stake DAO	12
Frax Finance	12
Velodrome	13
Balancer & Aura	13
RAMSES	13
Beefy Finance	14
ALCX Governance Token	15
Effective Annualized Inflation Rate	16
Change in the Emission Allocations	16
System Components	17
Elixir Contents	18
Elixir Ownership of Main Liquidity Pools	19
Treasury, Revenues and Expenses	20
Strategic Token Accumulation	20
CVX (Convex Finance)	20
ALCX-ETH 80/20 Balancer Pool	20
sdCRV (Stake DAO CRV)	21
VELO (Velodrome)	21
AURA (Aura Finance)	21
RAM (RAMSES)	22
AERO (Aerodrome Finance)	22
Treasury Contents	23
Protocol Revenue	24
Expenses	24

Ethereum, Optimism and Arbitrum	26
Yield Harvests	27
Total Harvests in Q2 2024 on Mainnet	27
Total Harvests in Q2 2024 on Optimism	28
Total Harvests in Q2 2024 on Arbitrum	28
Deposits and User Metrics v1	29
Deposits and User Metrics v2	30
v2 Mainnet Stablecoin Deposits	30
v2 Mainnet ETH Deposits	31
Optimism Stablecoin Deposits	32
Optimism ETH Deposits	32
Arbitrum Stablecoin Deposits	33
Arbitrum ETH Deposits	33
Net Deposits on Mainnet at Quarter End	34
Net Deposits on Optimism at Quarter End	34
Net Deposits on Arbitrum at Quarter End	34
Gross Deposits Mainnet	35
Gross Deposits Optimism	35
Gross Deposits Arbitrum	36
Number of Unique Depositors Mainnet	36
Tokens Minted Mainnet	36
Number of Unique Depositors Optimism	36
Tokens Minted Optimism	36
Number of Unique Depositors Arbitrum	37
Tokens Minted Arbitrum	37
First-time depositors on Mainnet	37
First-time depositors on Optimism	37
First-time depositors on Arbitrum	37
Withdrawals Mainnet	38
Withdrawals Optimism	38
Withdrawals Arbitrum	39
Self-Liquidations Mainnet	39
Self-Liquidations Optimism	40
Self-Liquidations Arbitrum	40
Repayments Mainnet	41
Repayments Optimism	41
Repayments Arbitrum	41
Transmuter Deposits Mainnet	42
Transmuter Deposits Optimism	42
Transmuter Deposits Arbitrum	42
Transmuter Withdrawals Mainnet	43
Transmuter Withdrawals Optimism	43

Transmuter Withdrawals Arbitrum	43
Transmuter Claims Mainnet	44
Transmuter Claims Optimism	44
Transmuter Claims Arbitrum	44
Other Networks	45
Liquidity Deployments	46
Grant Metrics	47
Other Information	48
Governance	48
Other Statistics	49
Links	49

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, 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 Q2 2024, 1st April 2024 to 1st July 2024.

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 July 2024, 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 2024.10.01.

Major Developments

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

- The protocol earned approximately \$2.37 million in revenue for the quarter.
- As a result of the Sonne exploit, Alchemix’s Yearn vaults on Optimism (yvWETH, yvDai, yvUSDC) experienced a loss and withdrawals were paused, then restarted.
- Vaults receive additional yield thanks to Optimism and Arbitrum bonuses.
- Layer3 Optimism quest encourages thousands of new users to try Alchemix for the first time.
- Six new part-time and full-time Alchemix contributors have been hired.
- Layer 2 alAssets have transitioned to the xERC20 standard.

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.

Shortly after the launch of Alchemix v2, the protocol deployed a new mechanic called the Elixir, which is intended to help bolster the prices of alAssets. The Elixirs have also been called the AMOs. The mechanisms by which the new Elixirs and the Transmuters help maintain alAsset prices is detailed in the *System Components* section below.



aUSD Price vs. USDC

Trade size

Apr 1st

Jul 1st

\$1M

0.9841 (-1.59%)

0.9660 (-3.40%)



aUSD price vs. USDC



aETH Price vs. ETH

Trade size

Apr 1st

Jul 1st

500 ETH

0.9098 (-9.0%)

0.8970 (-10.3%)



aETH price vs. ETH

The price of aETH normalized after the Curve exploit, but it is still below target levels.



aUSD Liquidity Pools

Total size in all pools

Apr 1st

\$41.98M

Jul 1st

\$31.74M



Curve FRAXBP

Apr 1st

\$29.16M

Jul 1st

\$28.18M



Curve aUSD3CRV

Apr 1st

\$8.63M

Jul 1st

\$0.74M



Velodrome USDC-aUSD

Apr 1st

\$3.30M

Jul 1st

\$1.42M



Velodrome MAI-aUSD

Apr 1st

\$0.05M

Jul 1st

\$0.14M



Velodrome FRAX-aUSD

Apr 1st

\$0.18M

Jul 1st

\$0.13M



RAMSES FRAX-aUSD

Apr 1st

\$0.49M

Jul 1st

\$1.01M



RAMSES GRAI-aUSD

Apr 1st

\$0.13M

Jul 1st

\$0.12M



aETH Liquidity Pools

Total size in all pools

Apr 1st **6453 (\$22.86M)**

Jul 1st **7037 (\$24.00M)**



Velodrome WETH-aETH

Apr 1st

2058 (\$7.29M)

Jul 1st

1903 (\$6.5M)



Velodrome frxETH-aETH

Apr 1st

111 (\$0.39M)

Jul 1st

116 (\$0.39M)



Curve frxETH-aETH

Apr 1st

2659 (\$9.43M)

Jul 1st

3518 (\$11.99M)



Curve ETH-aETH

Apr 1st

1625 (\$5.75M)

Jul 1st

1177 (\$4.01M)



RAMSES frxETH-aETH

Apr 1st

Jul 1st

323 (\$1.11M)

ETH Price

\$3,508

\$3,435

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, aETH), 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 aETH liquidity pools, but which otherwise provide no additional incentives or special use-cases.



Premia

Premia is a decentralized options protocol, enabling anyone to buy and sell options in a fair and liquidity-efficient way.

In Premia V2 there were two pools available for Alchemix, the ALCX-Dai and the aETH-alUSD options pools. Users were able to deposit ALCX, Dai, aETH and alUSD and become the underwriters for these assets.

Traders buy options to speculate on the price of ALCX and aETH, and the depositors earn the fees paid by the traders.

With the launch of their V3, V2 pools have been deprecated. New alUSD-aETH pools will be launched soon, pending alAsset oracles.

Website: <https://premia.blue>



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 aUSD, aETH, 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 aAsset 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 aUSD and aETH pools are operational with a FRAXB (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.

Beefy currently supports the ALCX-ETH 80/20 Balancer pool on Mainnet and the aLETH-ETH, aLETH-frxETH, aUSD-USDC, aUSD-FRAX and aUSD-MAI Velodrome pools on Optimism.

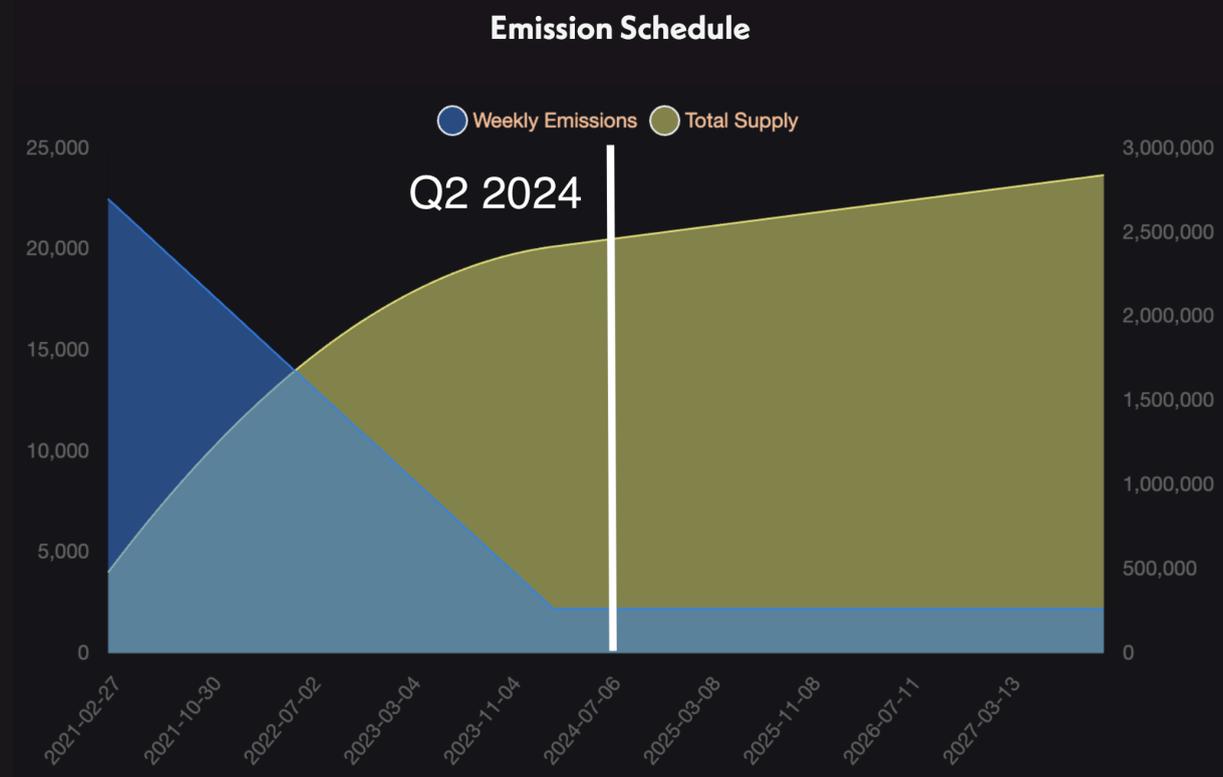
Website: <https://beefy.finance>



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 July 2024, annual inflation is ~4.6%, 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.

2024.04.01.	2024.07.01.	2024.10.01. (Projected)
4.71%	4.66%	4.61%

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.

Change in the Emission Allocations

Because of the Curve exploit aftermath, as well as ALCX having entered tail emissions, the Alchemix team is in the process of rethinking and restructuring emission distributions. Please see [prior reports](#) for prior ALCX distribution splits.



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

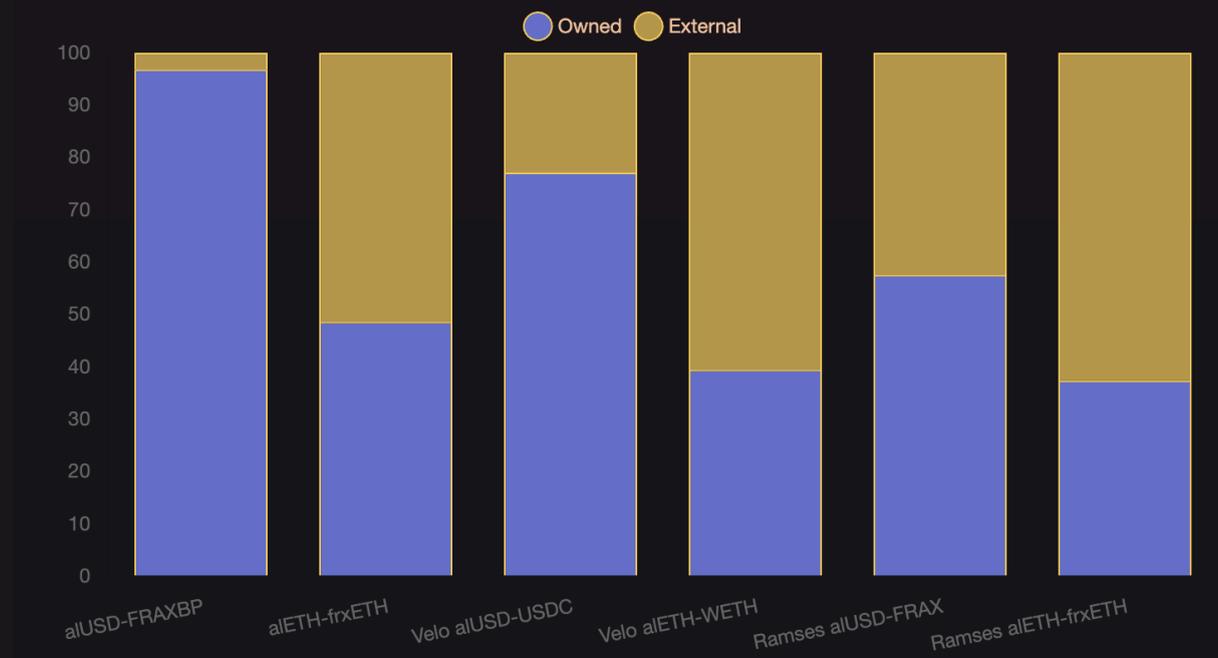
This quarter the Elixirs contracted by \$10.96M (-22.7%) mostly as a result of aETH being below the price target, the frxETH-aETH AMO having to contract and the discontinuation of the Curve aUSD-3CRV liquidity pool.

Both for aUSD and aETH, yield expectations from depositors for liquidity pools had been unusually high as a result of ETH re-staking yields and multiple blockchain grant program incentives kicking off, requiring further action in contracting the pools.

	Apr 1st	Jul 1st	Change
 <u>Curve aUSD-FRAXBP</u>	\$27.67M	\$26.99M	-\$0.68M (-2.5%)
 <u>Curve aUSD-3CRV</u>	\$7.54M	\$0M	Discontinued
 <u>Curve aETH-frxETH</u>	\$8.1M	\$5.86M	-\$2.24M (-27.7%)
 <u>RAMSES aUSD-FRAX</u>	\$0.37M	\$0.37M	\$0.00M (0.0%)
 <u>RAMSES aETH-frxETH</u>	\$0.58M	\$0.49M	-\$0.09M (-15.5%)
 <u>Velodrome aUSD-USDC</u>	\$1.44M	\$1.42M	-\$0.02M (-1.4%)
 <u>Velodrome aETH-WETH</u>	\$2.54M	\$2.15M	-\$0.39M (-15.4%)
Total	\$48.24M	\$37.28M	-\$10.96M (-22.7%)

Elixir Ownership of Main Liquidity Pools

As of July 1st, the protocol owned 96% of the aUSDfRAXBP pool, 50% of the aETH-frxETH pool and significant percentages of the main liquidity pools. This means that out of all the 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 aAsset pools (such as aUSD-USDC and aETH-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.

	Apr 1st	Jul 1st	Change QoQ
ETH	\$2.00M (547)	\$2.65M (771)	+\$0.65M (+32.5%)
CVX	\$1.51M (361,000)	\$1.17M (375,000)	-\$0.34M (-22.5%)
ALCX-ETH LP*	\$1.36M	\$0.75M	-\$0.61M (-44.9%)
SDT	\$0.40M (1.3M)	\$0.28M (1.30M)	-\$0.12M (-30.0%)
sdCRV	\$3.0M (4.34M)	\$1.26M (4.44M)	-\$1.74M (-58.0%)
VELO	\$3.24M (13.44M)	\$1.24M (13.64M)	-\$2.0M (-61.7%)
AURA	\$0.44M (531,000)	\$0.38M (554,000)	-\$0.06M (-13.6%)
RAM	\$0.78M (6.18M)	\$0.25M (10.99M)	-\$0.53M (-67.9%)
AERO	\$2.46M (1.72M)	\$1.24M (1.75M)	-\$1.22M (-49.6%)
Stablecoins	\$1.46M	\$1.54M	+\$0.08M (+5.5%)
Other	\$1.67M	\$1.35M	-\$0.32M (-19.2%)
Total	\$18.32M	\$12.11M	-\$6.21M (-33.9%)

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

Protocol Revenue

The following shows protocol revenue for Q2 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 a Aerodrome veNFT on Base. This report also does not include tokens whose total revenue was less than \$1,000 for the quarter.

Token	Revenue Earned	Token	Revenue Earned
CRV	\$1,255,670.38	RAM	\$21,542.43
FXS	\$179,236.88	yvOP	\$20,521.04
ALCX	\$144,845.10	TKN	\$19,782.24
OP	\$128,856.77	USDC	\$18,972.89
WETH	\$103,511.42	AURA	\$15,931.89
VELO	\$83,748.58	BLB	\$11,935.50
AERO	\$65,168.20	WELL	\$11,323.35
3Crv	\$57,784.36	Dai	\$10,751.93
ARB	\$49,639.12	DEGEN	\$7,339.71
KLIMA	\$49,424.67	VIRTUAL	\$1,789.08
CVX	\$43,471.74	aIUSD	\$1,348.01
xRAM	\$41,730.49		
BAL	\$32,234.71		
TOTAL			\$2,376,560.49

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	\$2,123,824.70	Software Subscriptions	\$4,313.96
Payroll	\$232,747.95	Donations/Grants	\$69,253.6
Service fees/expenses	\$176,208.06	Development	\$40,549.41
Refund	\$9,201.04	Misc	\$1,030.56
Total			\$2,657,129.28

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, 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 in Q2 2024 on Mainnet

	yvUSDC	yvDai	yvUSDT	aUSDC	aDai
Q3 2023	2,500	0.11M	647	250	0
Q4 2023	1,500	77,000	105	400	0
Q1 2024	2,001	93,500	410	200	200
Q2 2024	2,000	0.1M	0	400	400

	aUSDT	vaUSDC	vaDai	aFRAX	vaFRAX
Q3 2023	0	8,188	0	0	0
Q4 2023	0	6,600	0	0	1,400
Q1 2024	0	8,800	0	690	2,400
Q2 2024	0	7,700	0	0	5,500

	wstETH	rETH	yvETH	aWETH	vaETH	sfrxETH
Q3 2023	31.2	21.2	89	1	0	5.6
Q4 2023	13.6	5.8	58.4	0.5	0	5
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



Total Harvests in Q2 2024 on Optimism

	aDai	aUSDC	aUSDT	yvUSDC	yvDai
Q3 2023	0	800	0	0	0
Q4 2023	0	2,200	200	0	0
Q1 2024	200	1,900	0	2,000	550
Q2 2024	415	1,300	400	4,500	2,200

	aWETH	wstETH	yvWETH
Q3 2023	0.3	0	0
Q4 2023	0.5	0	0
Q1 2024	0.25	0	0.24
Q2 2024	0.4	0.5	3.5



Total Harvests in Q2 2024 on Arbitrum

	aUSDC	wstETH
Q2 2024	2,100	0.8



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 \$0.62M of Dai and \$0.15M of ETH.



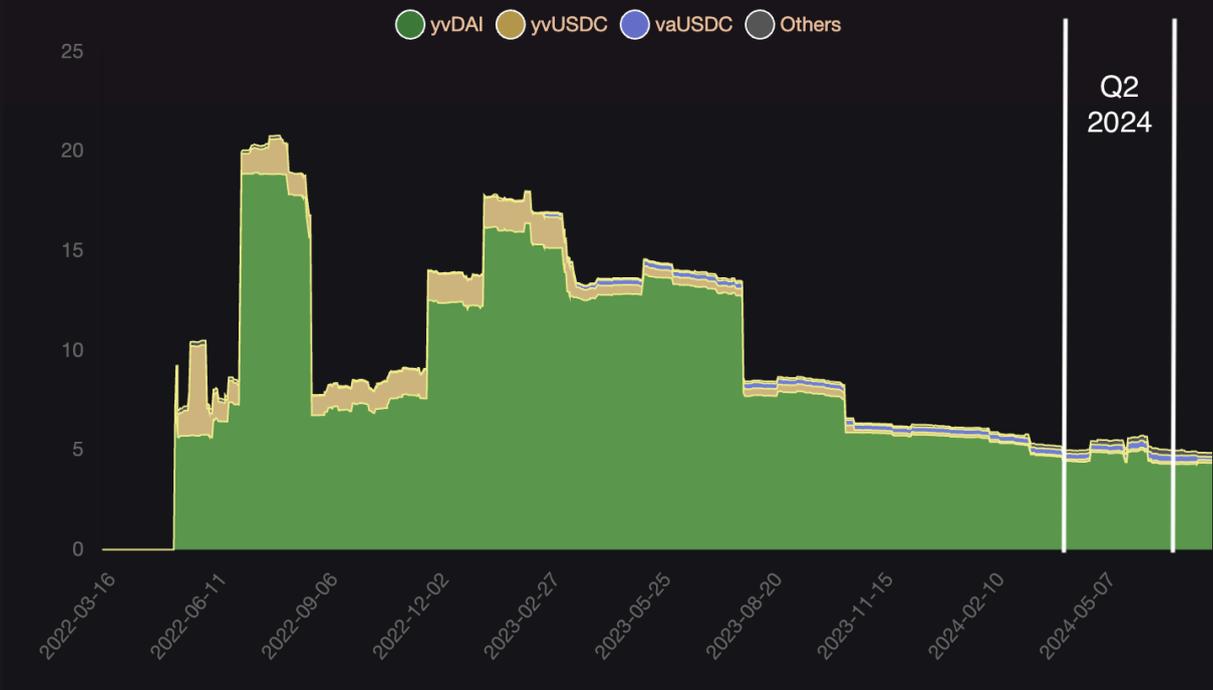
Deposits and User Metrics v2

This section provides numbers for user activity in the protocol's v2 contracts. All data is for Q2 of 2024.



v2 Mainnet Stablecoin Deposits

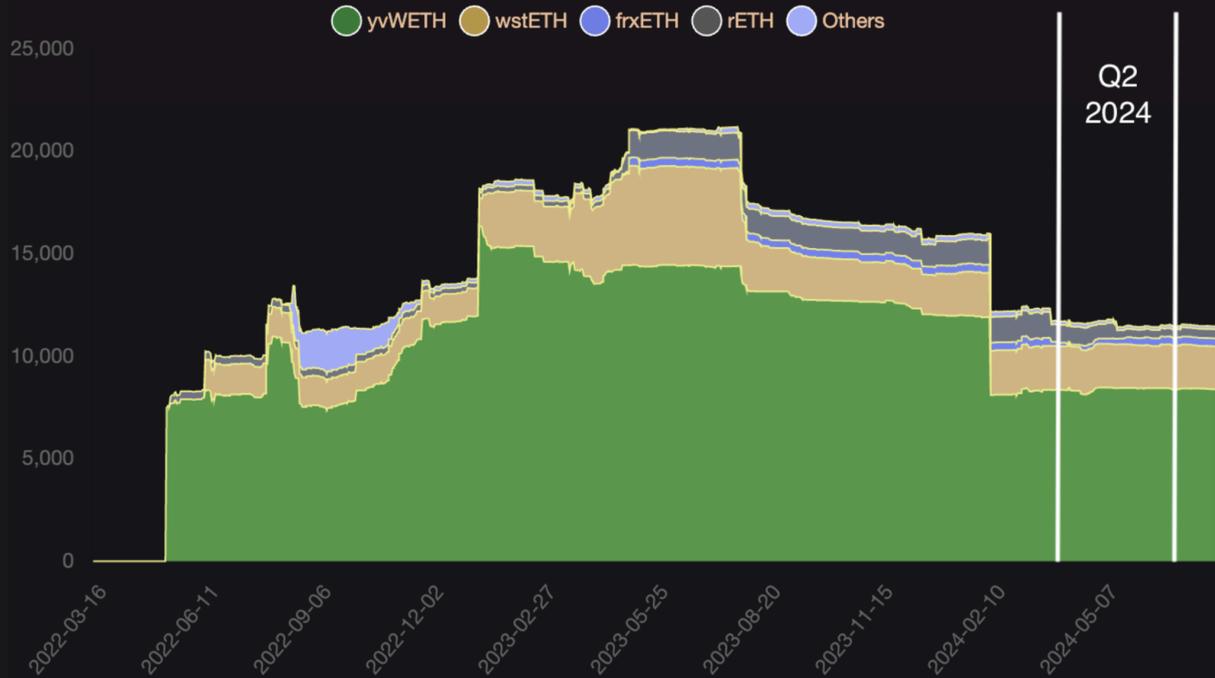
Alchemist V2 Stablecoin TVL





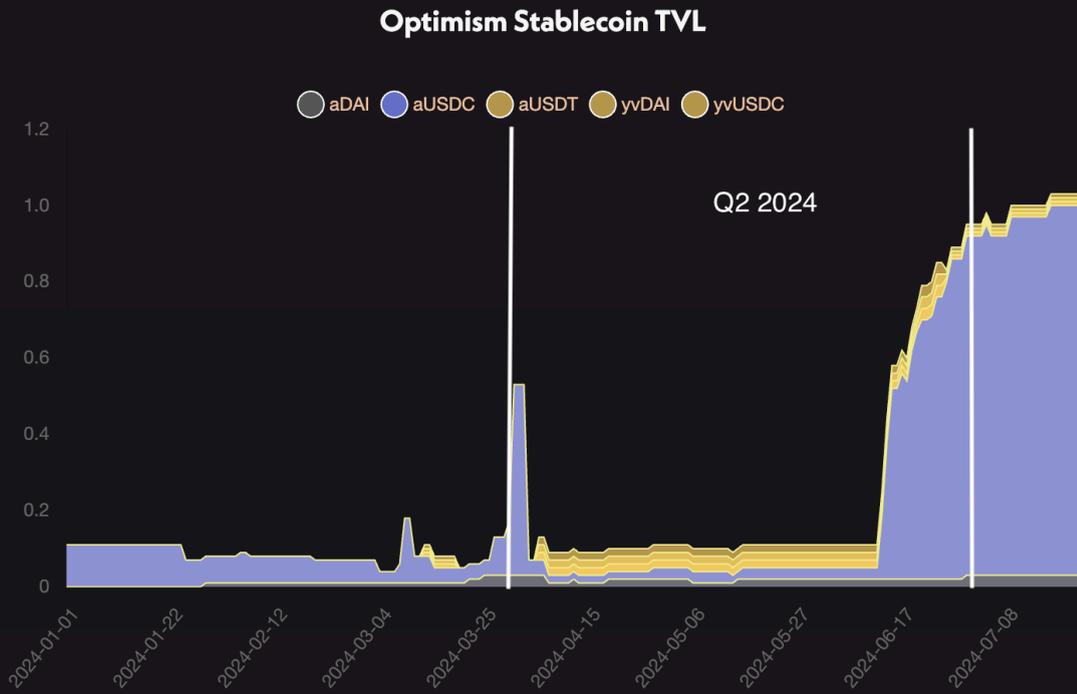
v2 Mainnet ETH Deposits

Alchemist V2 Eth TVL

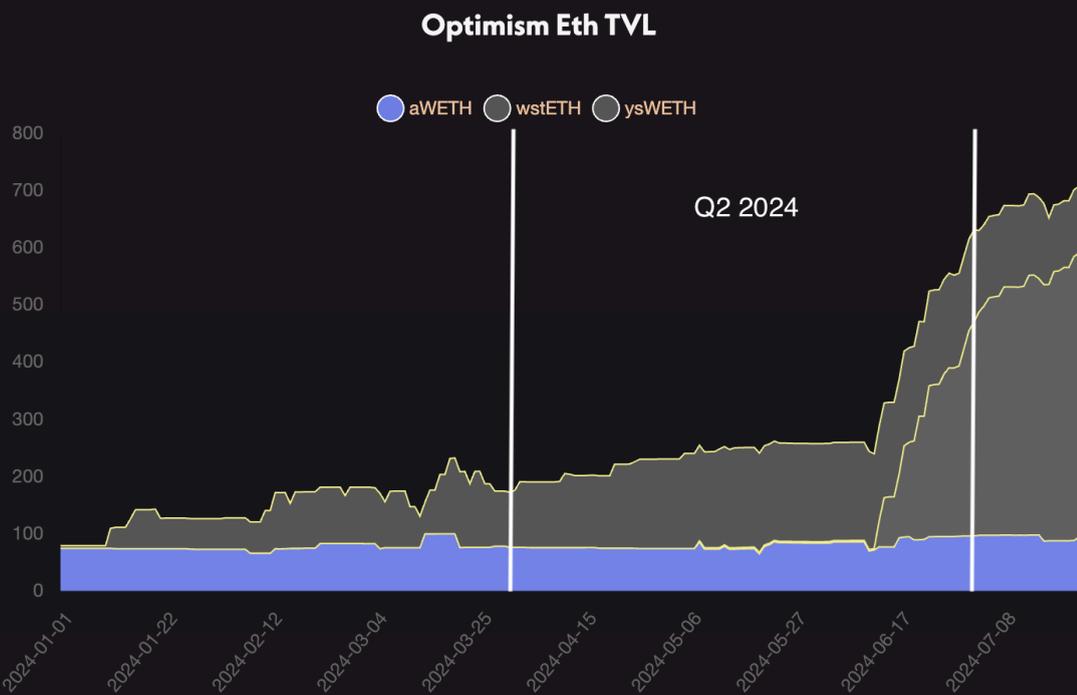




Optimism Stablecoin Deposits



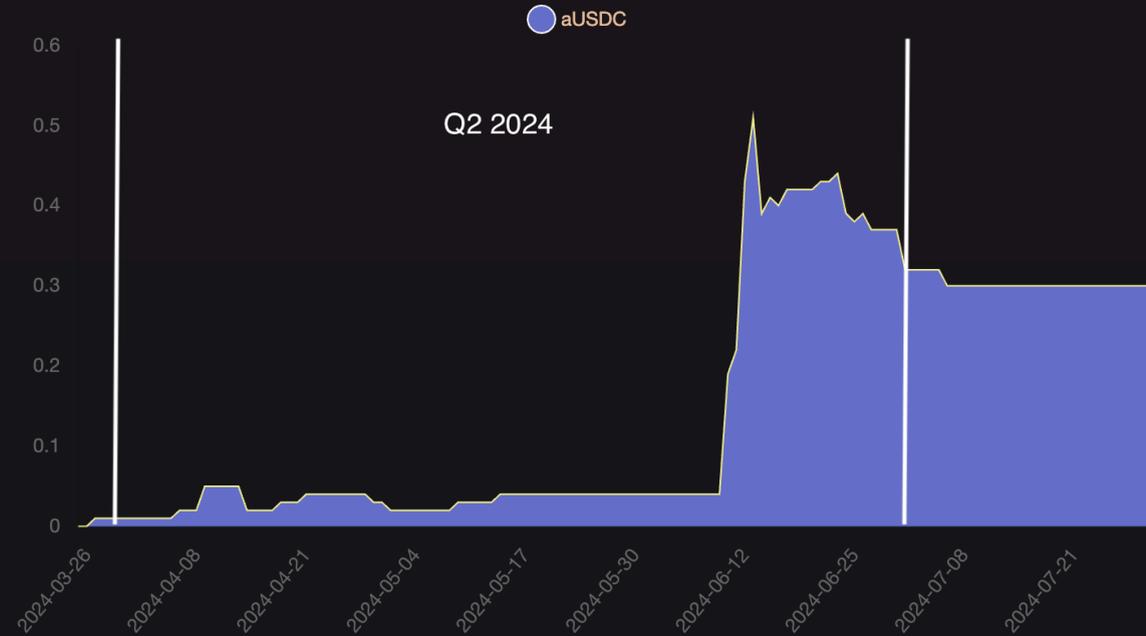
Optimism ETH Deposits





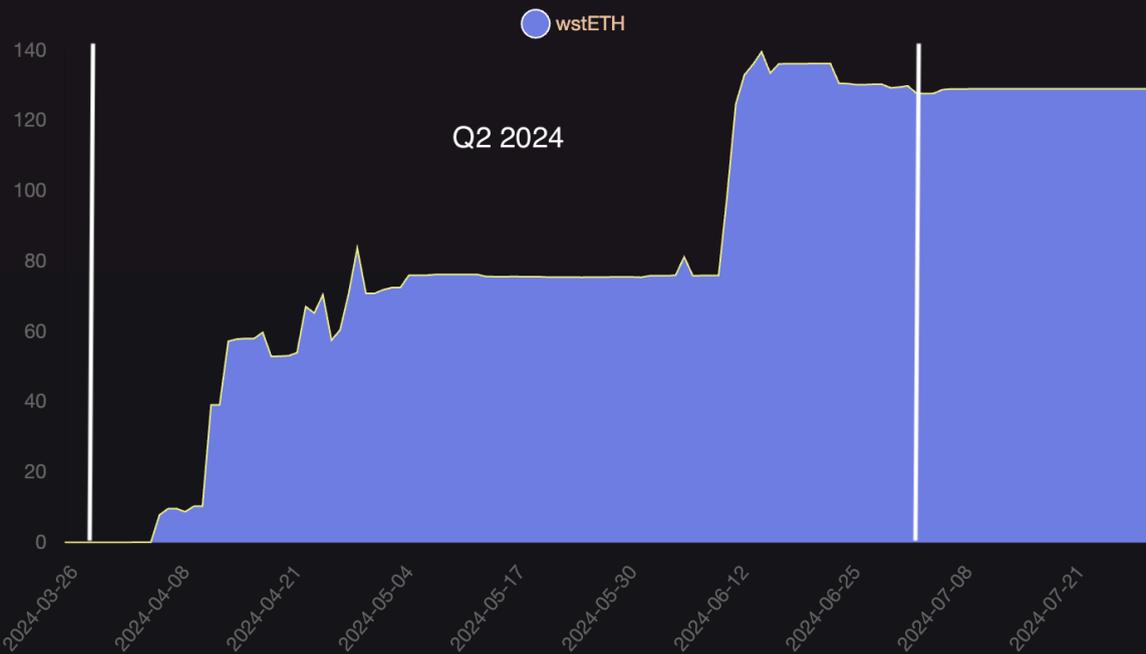
Arbitrum Stablecoin Deposits

Arbitrum Stablecoin TVL



Arbitrum ETH Deposits

Arbitrum Eth TVL





Net Deposits on Mainnet at Quarter End

	Apr 1st	Jul 1st	Change QoQ
Stablecoins	\$5.41M	\$5.25M	-\$0.16M (-3.0%)
ETH	\$42.38M (11668)	\$43.41M (12438)	+\$1.03M (+2.4%)
Total	\$47.79M	\$48.66M	+\$0.87M (+1.8%)



Net Deposits on Optimism at Quarter End

	Apr 1st	Jul 1st	Change QoQ
Stablecoins	\$0.64M	\$0.95M	+\$0.31M (+48.4%)
ETH	\$0.58M (160)	\$1.99M (585)	+\$1.41M (+343%)
Total	\$1.22M	\$2.94M	+\$1.72M (+141%)



Net Deposits on Arbitrum at Quarter End

	Apr 1st	Jul 1st	Change QoQ
Stablecoins		\$0.37M	+\$0.37M
ETH		\$0.32M (129)	+\$0.32M
Total		\$0.69M	+\$0.69M



Gross Deposits Mainnet

	yvUSDC	yvDai	yvUSDT	aUSDC	aDai
Q3 2023	14,355	0.5M	30	0	91
Q4 2023	995	0.35M	0	0	0
Q1 2024	1,150	50,000	0	9,940	4,440
Q2 2024	65,000	1.3M	2,900	20,000	21,000

	aUSDT	vaUSDC	vaDai	aFRAX	vaFRAX
Q3 2023	0	15,100	0	0	0
Q4 2023	389	6,500	0	37,000	394
Q1 2024	0	35,390	137	12,000	0.11M
Q2 2024	0	97,000	28,000	0	0.13M

	wstETH	rETH	yvWETH	aWETH	vaETH	sfrxETH
Q3 2023	257	103	256	253	0	93
Q4 2023	164	392	151	0.1	0	0
Q1 2024	242	126	747	0	0.01	86.1
Q2 2024	249	134	670	24	23	330



Gross Deposits Optimism

	aDai	aUSDC	aUSDT	yvUSDC	yvDai
Q3 2023	20,900	0.36M	1,050	860	0
Q4 2023	35	3.3M	93	70,000	21,000
Q1 2024	32,600	0.58M	9,800	0.51M	0.2M
Q2 2024	47,800	1.12M	51,000	52,000	70,300

	aWETH	wstETH	yvWETH
Q3 2023	890	0.02	19.6
Q4 2023	4	0.05	2.93
Q1 2024	63	0.01	364
Q2 2024	133.7	394	87.4



Gross Deposits Arbitrum

	aUSDC	wstETH
Q2 2024	0.76M	244

Number of Unique Depositors Mainnet

	Q3	Q4	Q1	Q2
aUSD Alchemist	50	31	26	54
aETH Alchemist	47	43	64	86

Tokens Minted Mainnet

	Q3	Q4	Q1	Q2
aUSD	0.27M	0.19M	0.12M	1.2M
aETH	513	315	738	752

Number of Unique Depositors Optimism

	Q3	Q4	Q1	Q2
aUSD Alchemist	23	30	34	5k
aETH Alchemist	27	19	39	5k

Tokens Minted Optimism

	Q3	Q4	Q1	Q2
aUSD	0.21M	1.7M	0.64M	0.49M
aETH	466	3.2	185	255

Number of Unique Depositors Arbitrum

	Q2
aUSD Alchemist	70
aETH Alchemist	62

Tokens Minted Arbitrum

	Q2
aUSD	0.32M
aETH	89

First-time depositors on Mainnet

Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
165	293	248	172	64	51	56	92

First-time depositors on Optimism

Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024
24	72	44	31	32	36	42	5.8k

First-time depositors on Arbitrum

Q2 2024
110

The above table shows the number of first-time depositors on Mainnet, Optimism and Arbitrum v2 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
Q3 2023	2,450	5.9M	0	14,000	0
Q4 2023	0.16M	1.6M	11,200	0	0
Q1 2024	35,000	0.94M	24,200	242	0
Q2 2024	35,000	0.89M	2,800	650	4,700

	aUSDT	vaUSDC	vaDai	aFRAX	vaFRAX
Q3 2023	0	0	0	0	0
Q4 2023	0	0	0	0	20,000
Q1 2024	440	3,600	49	0	12,000
Q2 2024	0	35,000	12,800	52,100	4,500

	wstETH	rETH	yvWETH	aWETH	vaETH	sfrxETH
Q3 2023	3,350	254	1,812	121	0	71
Q4 2023	160	396	732	1.9	0	0
Q1 2024	102	492	4,400	78	0	325
Q2 2024	208	467	515	80	0.1	99



Withdrawals Optimism

	aDai	aUSDC	aUSDT	yvUSDC	yvDai
Q3 2023	21K	0.45M	50	0	0
Q4 2023	403	3.4M	4,400	48,000	0
Q1 2024	5,800	0.22M	10,300	0.34M	0.22M
Q2 2024	47,500	0.74M	42,700	0.2M	3,200

	aWETH	wstETH	yvWETH
Q3 2023	960	0	18.4
Q4 2023	1.69	0	0
Q1 2024	63	0	277
Q2 2024	107	10	16.7



Withdrawals Arbitrum

	aUSDC	wstETH
Q2 2024	0.36M	92



Self-Liquidations Mainnet

	yvUSDC	yvDai	yvUSDT	aUSDC	aDai
Q3 2023	17.7K	0.22M	0	0	0
Q4 2023	93K	0.97M	10K	0	0
Q1 2024	0	0.17M	2,100	20,100	0
Q2 2024	0	0.76M	0	523	0

	aUSDT	vaUSDC	vaDai	aFRAX	vaFRAX
Q3 2023	0	0	0	0	0
Q4 2023	0	0	0	0	0
Q1 2024	0	8,100	0	0	11,400
Q2 2024	0	69	180	0	0.001

	wstETH	rETH	yvWETH	aWETH	vaETH	sfrxETH
Q3 2023	7.8	0	128.6	0	0	26.6
Q4 2023	56.2	0	133.5	5.5	1.1	0.03
Q1 2024	6.78	2.46	143	4.3	0.5	0
Q2 2024	41	162	58	0	0.5	0



Self-Liquidations Optimism

	aDai	aUSDC	aUSDT	yvUSDC	yvDai
Q3 2023	407	0	0	96	0
Q4 2023	98	0	0	0	0
Q1 2024	433	6,900	0	0	310
Q2 2024	1,899	10	10	0	0

	aWETH	wstETH	yvWETH
Q3 2023	78	0	0
Q4 2023	0.05	0	0.02
Q1 2024	0.09	0	0
Q2 2024	6.4	0.02	0.5



Self-Liquidations Arbitrum

	aUSDC	wstETH
Q2 2024	11,600	0.4



Repayments Mainnet

	USDC	Dai	USDT	FRAX	aUSD	ETH	aETH
Q3 2023	52,200	1,000	197	0	2.5M	14	2,865
Q4 2023	703	75,700	8,800	1,300	0.14M	11.56	321
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



Repayments Optimism

	USDC	Dai	USDT	aUSD	ETH	aETH
Q3 2023	50,555	10,000	0	0.19M	1.71	445
Q4 2023	5,025	11	0	1.7M	0.04	0.91
Q1 2024	4,500	1,600	850	0.32M	0.2	140
Q2 2024	152	5,000	61	0.41M	1.03	45



Repayments Arbitrum

	USDC	aUSD	ETH	aETH
Q2 2024	0.5	0.17M	1.2	18



Transmuter Deposits Mainnet

	USDC	Dai	USDT	FRAX	ETH
Q3 2023	0.14M	0.41M	40K	219	1,988
Q4 2023	0.13M	1.18M	348	212	39
Q1 2024	43,600	0.34M	20,100	16,500	1,633
Q2 2024	57,700	1.3M	10,400	7,100	782



Transmuter Deposits Optimism

	USDC	Dai	USDT	ETH
Q3 2023	60K	10K	25	871
Q4 2023	44K	819	11k	313
Q1 2024	3,900	1,500	1,500	750
Q2 2024	85,900	31,400	5,900	362



Transmuter Deposits Arbitrum

	USDC	ETH
Q2 2024	0.15M	35



Transmuter Withdrawals Mainnet

	USDC	Dai	USDT	FRAX	ETH
Q3 2023	30K	90K	40K	0	1,978
Q4 2023	20K	60K	348	0	52
Q1 2024	4,050	41,000	0	0	870
Q2 2024	27,300	0.31M	295	0	529



Transmuter Withdrawals Optimism

	USDC	Dai	USDT	ETH
Q3 2023	8.5K	10.1K	25	871
Q4 2023	20K	101	10K	328
Q1 2024	1,200	70	1,500	806
Q2 2024	68,800	8,900	5,200	344



Transmuter Withdrawals Arbitrum

	USDC	ETH
Q2 2024	0.13M	21



Transmuter Claims Mainnet

	USDC	Dai	USDT	FRAX	ETH
Q3 2023	0.1M	0.37M	451	0	145
Q4 2023	0.1M	1.12M	0	500	6
Q1 2024	49,200	0.28M	20,100	16,500	162
Q2 2024	23,300	0.85M	10,100	6,100	287



Transmuter Claims Optimism

	USDC	Dai	USDT	ETH
Q3 2023	51K	10K	0	384
Q4 2023	6K	713	177	0.35
Q1 2024	14K	1,100	800	0.68
Q2 2024	6,200	11,100	0.5	10.2



Transmuter Claims Arbitrum

	USDC	ETH
Q2 2024	0	0.98

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), aAsset 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, only one such chain was utilized, which is Metis, but at the time of releasing this report, bridging was already made available to Base and Linea as well.

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 aETH used to boost yield as a part of a grant program:

Optimism: 5.78

Arbitrum: 1.43

Number of aUSD used to boost yield as a part of a grant program:

Optimism: 20,009

Arbitrum: 3,005

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 Q2 2024:

- **AIP-110: Donate to Roman Storm & Alexey Pertsev's legal defense fund.**
This proposal sought approval for a donation to the legal defense funds of Alexey Pertsev and Roman Storm, both developers involved with Tornado Cash, and who were arrested following the 2022 OFAC sanctions. See the snapshot [here](#).
The 15 ETH donation option passed with 64.05% of the vote. 51,000 ALCX voted for the proposal, 29,000 ALCX abstained, and 0 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](#)