



# September 2023 Financials

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## What is Aave?

*"Aave is an open source and non-custodial liquidity protocol for earning interest on deposits and borrowing assets"*



# Monthly Insights



# Aave Pools Overview

Total Deposits (All Pools)

**\$7.4B**

Stable rate loans (All Pools)

**\$34.0M**

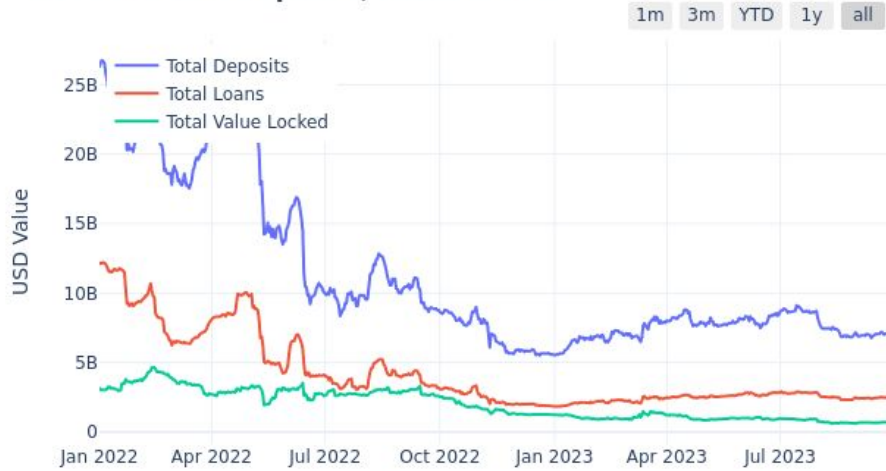
Variable rate loans (All Pools)

**\$2.5B**

Total Borrowed (All Pools)

**\$2.6B**

Aave Protocol Deposits, Loans & TVL



Chain	Version	Launch Date
Ethereum	aave_v1	2020-01-08
Ethereum	aave_v3	2023-01-27
Ethereum	aave_v3	2023-01-29
Ethereum	aave_rwa	2021-12-10
Ethereum	aave_amm	2021-03-08
Ethereum	aave_arc	2021-10-17
Ethereum	aave_v2	2020-12-01
Fantom	aave_v3	2022-03-11
Polygon	aave_v3	2022-03-11
Avalanche	aave_v3	2022-03-11
Harmony	aave_v3	2022-03-11
Arbitrum	aave_v3	2022-03-11
Optimism	aave_v3	2022-03-11
Avalanche	aave_v2	2021-09-20

Chain	Total Deposits	Total Loans	Utilization Rate	TVL	Variable Rate Loans	Stable Rate Loans
Ethereum	6,387,586,017.97	2,213,600,248.54	34.65%	4,173,985,769.42	2,191,438,532.64	22,161,715.9
Polygon	361,964,560.12	110,145,242.13	30.43%	251,819,317.99	106,664,865.25	3,480,376.88
Avalanche	237,965,689.34	76,364,472.58	32.09%	161,601,216.77	75,139,800.19	1,224,672.39
Arbitrum	253,225,349.95	100,404,971.61	39.65%	152,820,378.34	94,539,810.68	5,865,160.93
Optimism	119,552,514.91	44,882,805.24	37.54%	74,669,709.67	43,572,608.74	1,310,196.5
Metis	7,614,960.55	3,898,752.14	51.2%	3,716,208.41	3,898,752.14	-0.0
Harmony	1,962,363.34	929,251.1	47.35%	1,033,112.24	929,100.91	150.19
Fantom	227,577.9	40,449.9	17.77%	187,128.0	39,373.24	1,076.66

Aave Protocol TVL by Chain



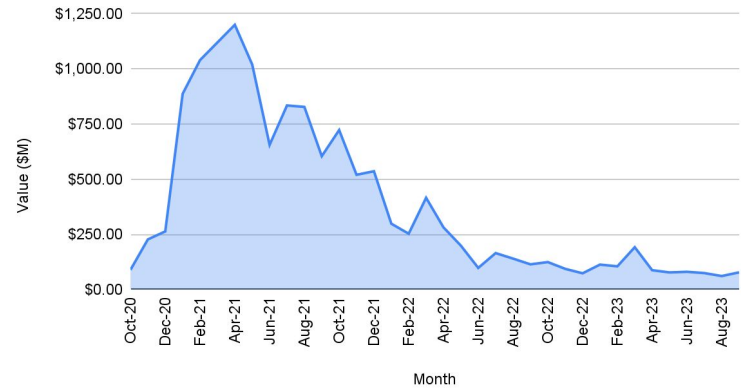
AAVE 

# Financial Accounts



# Ecosystem Reserve

Aave Ecosystem Reserve over time



# Treasury Balance and Contract Information

## Treasury Information

Category	Value
<b>AAVE Contract address</b>	0x7fc66500c84a76ad7e9c93437bfc5ac33e2ddae9
<b>Treasury Balance (USD)</b>	\$118.1M

## Aave Token information

Category	Value
<b>Name</b>	AAVE
<b>Symbol</b>	AAVE
<b>Type</b>	ERC-20
<b>Holders</b>	478,580
<b>Current Price (USD)</b>	67.65
<b>Transfers Count</b>	2,126,684
<b>Senders</b>	351,926
<b>Receivers</b>	478,240
<b>Total supply</b>	16,000,000
<b>First transfer</b>	2020-10-02
<b>Latest transfer</b>	2023-09-30

Disclaimer - all information stated above was correct as of 2023-09-30 using information from Flipside Crypto



# Aave Treasury

A Detailed Holding Summary

Symbol	EOM Balance	Holdings
TOKENS	\$	%
AAVE	81,130,487	68.71
Other Assets	11,649,676	9.87
USDC	9,059,931	7.67
DAI	6,004,528	5.08
USDT	4,153,351	3.52
CRV	3,238,419	2.74
ETH	1,649,903	1.4
WBTC	412,816	0.35
Other Stables	353,410	0.3
WMATIC	227,161	0.19
WAVAX	205,389	0.17
<b>Total</b>	<b>\$118.1M</b>	<b>100</b>



# Detailed Profit or (Loss) Across All Pools



# Income Statement ( January - September 2023 )



	Q1	Q2	July	August	September	YTD
<b>Revenue</b>	\$	\$	\$	\$	\$	\$
Metis - V3	0	52	48	61	498	659
Ethereum - V3	136,019	641,563	310,780	815,559	2,120,343	4,024,264
Ethereum - V2	2,838,510	10	4,780,348	0	395,178	8,014,045
Ethereum - V1	518,417	18,783	(5,555)	0	(4,304)	527,340
Ethereum - ARC	0	0	0	0	0	0
Ethereum - RWA	2,401	1,990	1,485	1,532	0	7,409
Ethereum - AMM	1,255	1,311	969	74	16	3,625
Polygon - V3	74,390	144,219	51,586	58,134	42,108	370,437
Polygon - V2	87,264	67,247	48,529	45,386	42,857	291,284
Avalanche - V3	185,662	144,259	47,831	50,551	39,863	468,166
Avalanche - V2	28,661	46,788	18,289	21,095	8,069	122,903
Optimism - V3	77,862	36,552	18,918	27,039	17,530	177,901
Arbitrum - V3	37,525	3,716,760	40,989	53,284	38,301	3,886,860
Fantom - V3	855	1,567	352	10	9	2,793
Harmony - V3	930	1,881	467	85	76	3,439
<b>Total Revenue</b>	3,989,750	4,822,981	5,315,038	1,072,811	2,700,545	17,901,126
<b>Cost of Sales</b>						
Liquidity Incentives	0	0	0	0	0	0
Staking rewards	0	0	0	0	0	0
<b>Third party expenses</b>	4,361,236	1,281,174	2,460,891	401,047	598,190	9,102,538
<b>Total Cost of Sales</b>	4,361,236	1,281,174	2,460,891	401,047	598,190	9,102,538
<b>Gross Profit/(Loss)</b>	(371,486)	3,541,807	2,854,147	671,764	2,102,355	8,798,588

AAVE 

# Tokenflow Statement



## Tokenflow Statement



	Q1	Q2	July	August	September	YTD
<b>Ecosystem Reserve</b>	\$	\$	\$	\$	\$	\$
Inflows	0	0	0	0	0	0
Outflows	(8,931,065)	(6,748,867)	(3,447,432)	(1,381,513)	(3,132,581)	(23,641,458)
<b>Net Flows</b>	(8,931,065)	(6,748,867)	(3,447,432)	(1,381,513)	(3,132,581)	(23,641,458)
<b>All Other Reserves</b>	\$	\$	\$	\$	\$	\$
Inflows	6,848,214	18,851,986	6,365,218	7,767,716	3,797,554	43,630,688
Outflows	(9,661,810)	(16,247,201)	(5,650,609)	(7,849,383)	(4,645,260)	(44,054,263)
<b>Net Flows</b>	(2,813,596)	2,604,785	714,609	(81,667)	(847,706)	(423,575)

AAVE 

# Pool Analysis



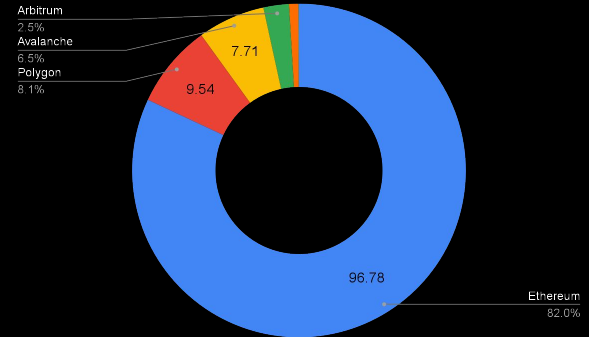
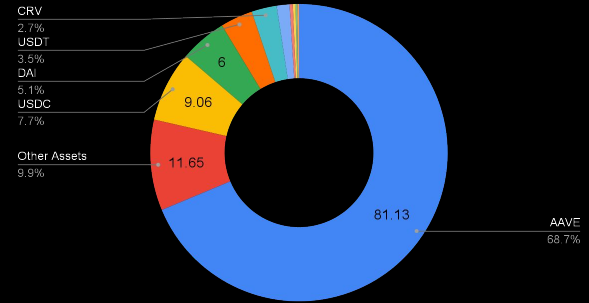
# Treasury Assets - All Networks USD (m)

Treasury assets across all networks have been included within the analysis and breakdown. We have split the treasury by asset and also by chain. This includes the following;

- Aave Ecosystem Reserve
- Arbitrum
- Avalanche
- Fantom
- Harmony
- Optimism
- Polygon
- Metis

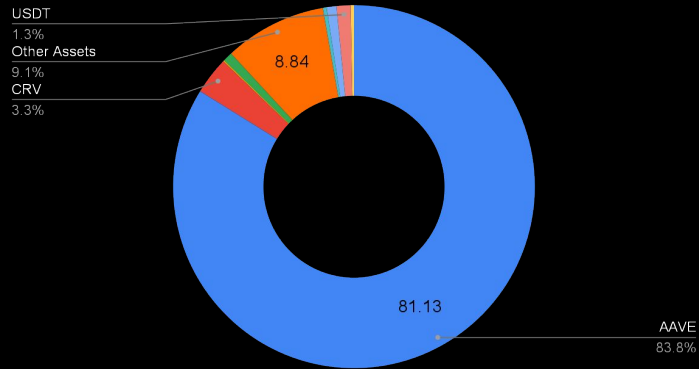
The treasury composition is largely Aave (68.71 %) and stablecoin assets (16.57 %).

Aave Treasury Assets (\$)

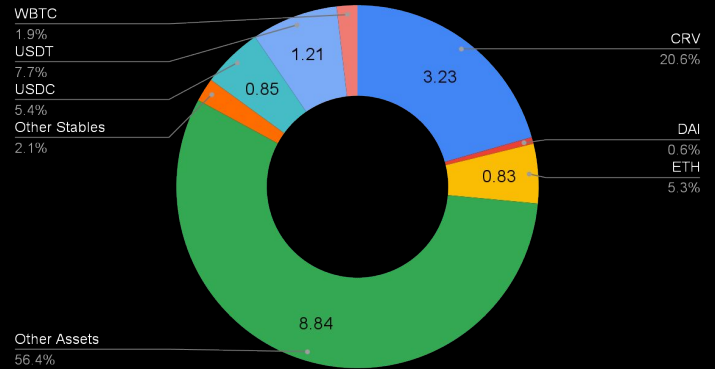


# Assets by Network - Ethereum (\$m)

Ethereum Network Reserve incl. Ecosystem Reserve % (\$)



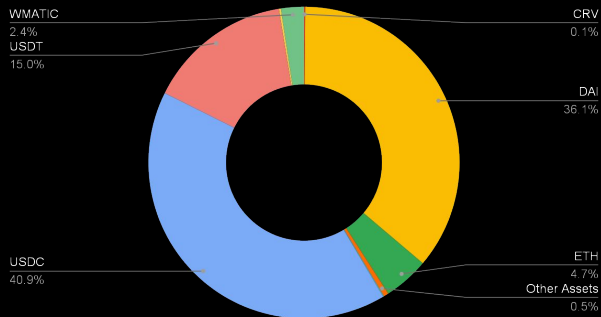
Reserve Factor Holdings % (\$)



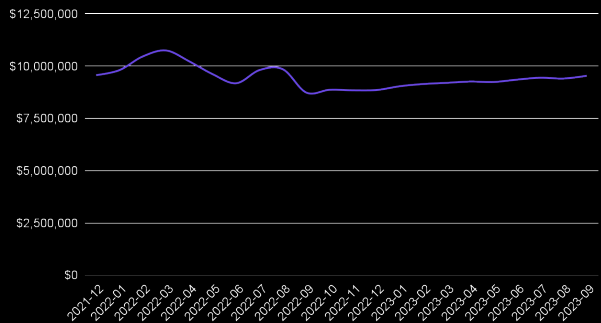


# Assets by Network - Polygon

Polygon Network Reserve % (\$)



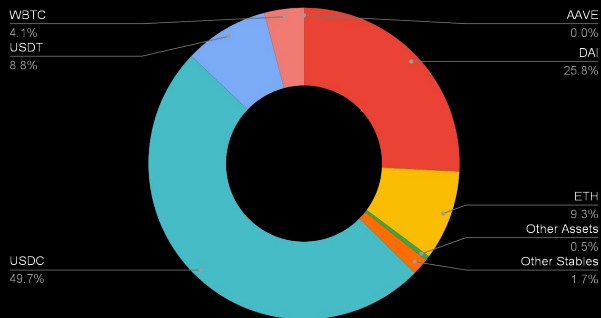
Polygon Reserve over time (EOM \$ Value)



Symbol	EOM Balance	Increase/(Decrease) from August
TOKENS	\$	%
USDC	3,899,011	(0.03)
DAI	3,440,426	1.24
USDT	1,436,057	1.19
ETH	449,342	7.46
WMATIC	227,161	16.87
Other Assets	49,454	14.94
WBTC	20,418	12.1
CRV	11,196	24.99
Other Stables	8,760	7.87
AAVE	873	33.7
<b>TOTAL</b>	<b>9,542,698</b>	

# Assets by Network - Optimism

Optimism Network Reserve % (\$)



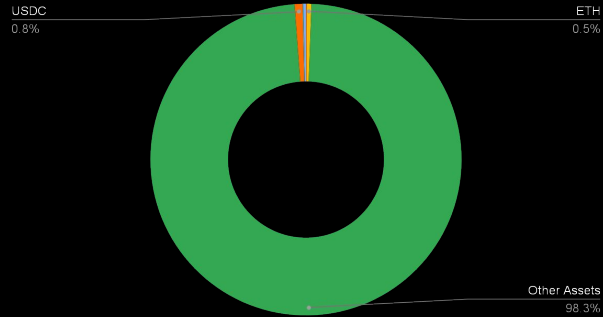
Optimism Reserve over time (EOM \$ Value)



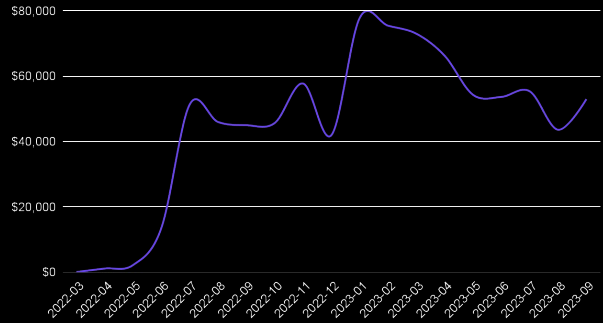
Symbol	EOM Balance	Increase/(Decrease) from August
TOKENS	\$	%
USDC	532,258	1.39
DAI	276,289	0.43
ETH	99,839	13.65
USDT	93,787	2.11
WBTC	44,030	8.86
Other Stables	18,729	3.81
Other Assets	5,301	18.31
AAVE	35	32.51
TOTAL	1,070,268	

# Assets by Network - Harmony

Harmony Network Reserve % (\$)



Harmony Reserve over time (EOM \$ Value)



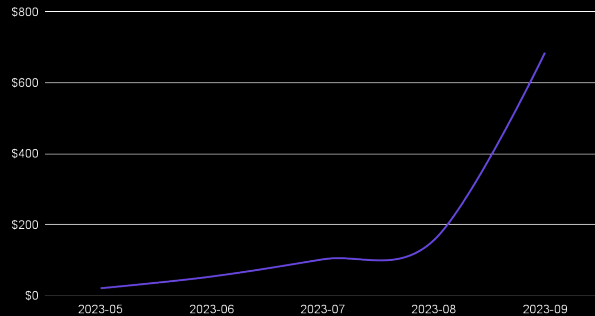
Symbol	EOM Balance	Increase/(Decrease) from August
TOKENS	\$	%
Other Assets	52,104	21.9
USDC	439	5
ETH	261	8
WBTC	141	8.37
USDT	45	0.03
DAI	31	0
AAVE	5	32.38
TOTAL	53,026	

# Assets by Network - Metis

Metis Network Reserve % (\$)



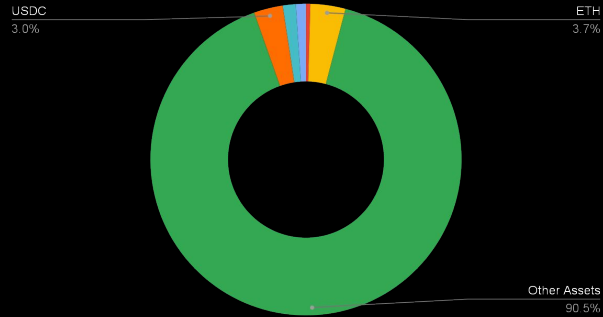
Metis Reserve over time (EOM \$ Value)



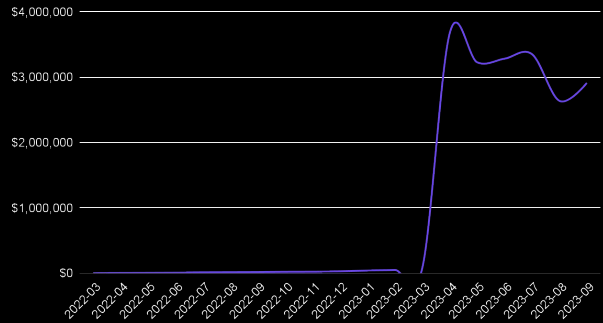
Symbol	EOM Balance	Increase/(Decrease) from August
TOKENS	\$	%
Other Assets	685	338.77
TOTAL	685	

# Assets by Network - Arbitrum

Arbitrum Network Reserve % (\$)



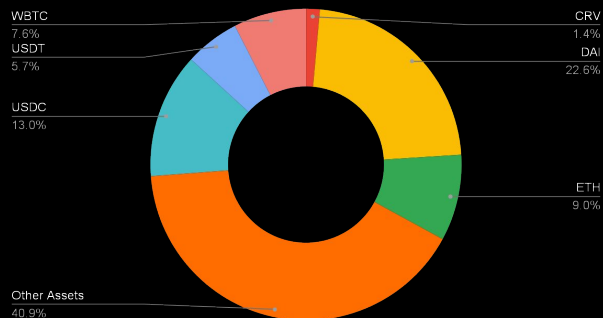
Arbitrum Reserve over time (EOM \$ Value)



Symbol	EOM Balance	Increase/(Decrease) from August
TOKENS	\$	%
ARB	2,636,719	9.7
ETH	106,528	23.99
USDC	87,756	15.73
USDT	39,408	15.67
WBTC	30,674	10.98
DAI	12,778	15.81
AAVE	126	32.23
TOTAL	2,913,989	

# Assets by Network - Fantom

Fantom Network Reserve % (\$)



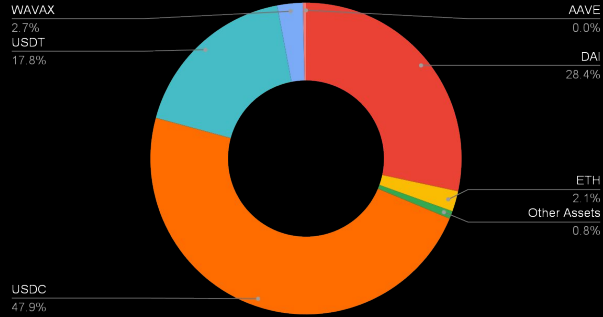
Fantom Reserve over time (EOM \$ Value)



Symbol	EOM Balance	Increase/(Decrease) from August
TOKENS	\$	%
Other Assets	6,633	3.64
DAI	3,661	0.09
USDC	2,105	0.19
ETH	1,454	6.41
WBTC	1,226	8.45
USDT	921	0.1
CRV	231	22.74
AAVE	2	32.83
TOTAL	16,233	

# Assets by Network - Avalanche

Avalanche Network Reserve % (\$)



Avalanche Reserve over time (EOM \$ Value)



Symbol	EOM Balance	Increase/(Decrease) from August
TOKENS	\$	%
USDC	3,693,062	0.37
DAI	2,186,317	0.19
USDT	1,372,813	0.85
WAVAX	205,389	(57.19)
ETH	164,078	7.79
Other Assets	61,342	11.82
WBTC	24,685	(74.6)
AAVE	58	32.5
TOTAL	7,707,744	

# Notes to Financial Statements

## Income

Income includes:

- Protocol fees received - Reserve Factor income for V1, V2, AMM, ARC & RWA, Liquidations income from V3
- Protocol fees accrued - Reserve Factor income for V3 - these are accrued in the V3 contracts rather than an explicit token transfer as per earlier versions. These fees are harvested to Aave's treasury by Llama via automated `MintToTreasury()` calls. V3 fees are only shown as accrued fees in the income statement, and become tokenflows when a `MintToTreasury()` is called (see `May tokens_in` on Avalanche V3)
- aToken interest accrued - aTokens held by treasury contracts attract interest the same as a normal user deposit in Aave

## Expenses

Expenses include:

- LM rewards paid in AAVE tokens from the V2 Incentives Controller contract on deposits & borrows in Aave V2
- Staking rewards paid in AAVE tokens to `stkAAVE` holders, paid from the Ecosystem Reserve
- Staking rewards paid in AAVE tokens to stakers of the Balancer Pool tokens in the Safety Module, paid from the Ecosystem Reserve
- Direct payments from the Treasury contracts to third parties (BGD, Aave Grants DAO etc), paid in aTokens or other denominations (USDC etc). These are tagged as 'Aave V2' below as they normally come from the Aave V2 Treasury contract.
- Direct payments from the Ecosystem Reserve to third parties (BGD, Aave Grants DAO etc), paid in AAVE tokens

Expenses do not include LM rewards on other chains (`wMATIC` on Polygon, `wAAVE` on Avax, `wCFG` on RWA etc) as these are funded by third parties to drive liquidity onto their platforms.

Please note that accounting is done on a cash basis. For example, staking and LM rewards reported are only those which are *claimed* in that period, and do not include future liabilities that are accrued and not yet claimed.



# Appendix - Wallet addresses used


Network	Version	Address
Arbitrum	Aave V3	0x053d55f9b5af8694c503eb288a1b7e552f590710
Arbitrum	Paraswap Fee Claimer	0x9abf798f5314bfd793a9e57a654bed35af4a1d60
Avalanche	Aave V2	0x467b92af281d14cb6809913ad016a607b5ba8a36
Avalanche	Aave V2	0x5ba7fd868c40c16f7adfae6cf87121e13fc2f7a0
Avalanche	Aave V3	0x5ba7fd868c40c16f7adfae6cf87121e13fc2f7a0
Avalanche	Paraswap Fee Claimer	0x9abf798f5314bfd793a9e57a654bed35af4a1d60
Ethereum	Aave AMM	0x464c71f6c2f760dda6093dcb91c24c39e5d6e18c
Ethereum	Aave ARC	0x464c71f6c2f760dda6093dcb91c24c39e5d6e18c
Ethereum	Aave RWA	0x464c71f6c2f760dda6093dcb91c24c39e5d6e18c
Ethereum	Aave V1	0x464c71f6c2f760dda6093dcb91c24c39e5d6e18c
Ethereum	Aave V1	0xe3d9988f676457123c5fd01297605efdd0cba1ae
Ethereum	Aave V2	0x464c71f6c2f760dda6093dcb91c24c39e5d6e18c
Ethereum	Aave V3	0x464c71f6c2f760dda6093dcb91c24c39e5d6e18c
Ethereum	Ecosystem Reserve	0x25f2226b597e8f9514b3f68f00f494cf4f286491
Ethereum	Incentives Controller V2	0xd784927f2f95ba542bfc824c8a8a98f3495f6b5
Ethereum	Paraswap Fee Claimer	0x9abf798f5314bfd793a9e57a654bed35af4a1d60
Fantom	Aave V3	0xbe85413851d195fc6341619cd68bfdc26a25b928
Fantom	Paraswap Fee Claimer	0x9abf798f5314bfd793a9e57a654bed35af4a1d60
Harmony	Aave V3	0x8a020d92d6b119978582be4d3edfcd9f7b28bf31
Metis	Aave V3	0xb5b64c7e00374e766272f8b442cd261412d4b118
Optimism	Aave V3	0xb2289e329d2f85f1ed31adbb30ea345278f21bcf
Optimism	Paraswap Fee Claimer	0x9abf798f5314bfd793a9e57a654bed35af4a1d60
Polygon	Aave V2	0x7734280a4337f37fbf4651073db7c28c80b339e9
Polygon	Aave V2	0xe8599f3cc5d38a9ad6f3684cd5cea72f10dbc383
Polygon	Aave V3	0xe8599f3cc5d38a9ad6f3684cd5cea72f10dbc383
Polygon	Paraswap Fee Claimer	0x9abf798f5314bfd793a9e57a654bed35af4a1d60



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