



Gearbox

Undercollateralized protocol for margin trading and yield farming

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Developed on
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Problem

- Lending protocols are overcollateralized
- Traders should use lending & dex protocols for margin trading
- Using multiple protocols increases gas costs



Undercollateralized protocol for margin trading & farming



Earn

Interest + profit share as
liquidity provider

x4

Trade

with x4 leverage on Uniswap,
Sushiswap & other first-class DEXes



Farm

with leverage on best farmers

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Earn

Liquidity providers choose between pools to deposit money.

Each pool has underlying asset and a level of risk.



The level of risk depends on the list of tokens admitted to trading.

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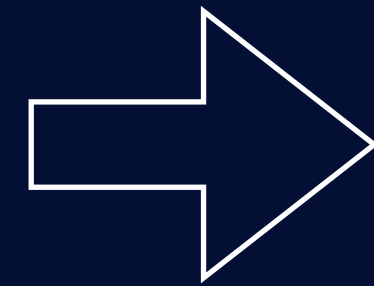
DAI RISKY 37.68% avg. 30 days	DAI CONS. 15.68% avg. 30 days	USDT CONS. 88.98% avg. 30 days
USDT CONS. 24.32% avg. 30 days	USDC CONS. 75.68% avg. 30 days	USDC CONS. 18.98% avg. 30 days
WETH RISKY 6.68% avg. 30 days	WETH CONS. 0.68% avg. 30 days	LINK CONS. 12.98% avg. 30 days

Traders



Traders open a leveraged position by paying 25% and receive **x4** more assets on their virtual account

Traders



ETH CONS.

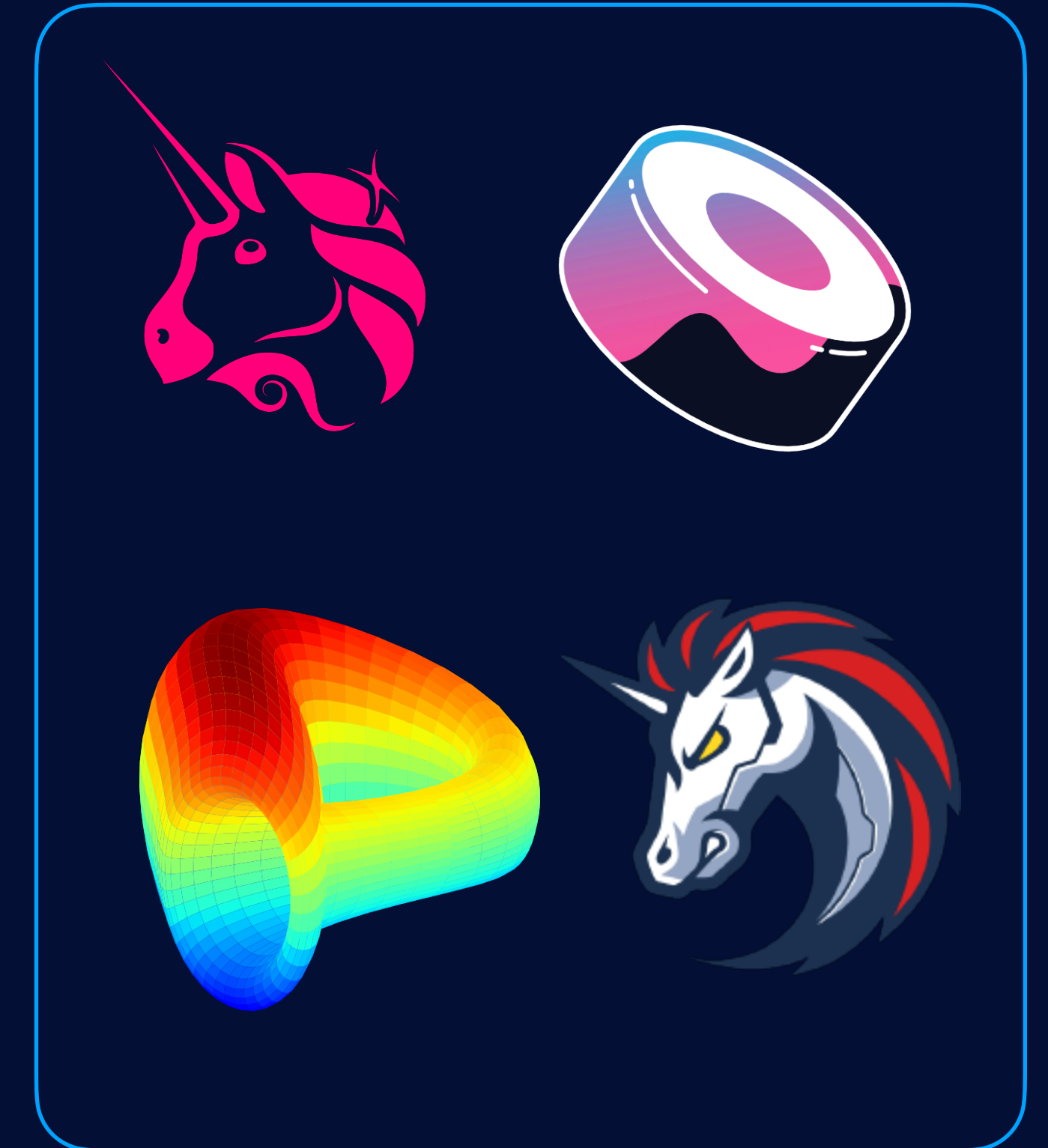
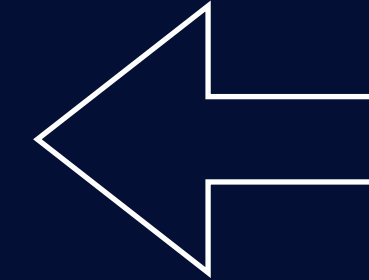
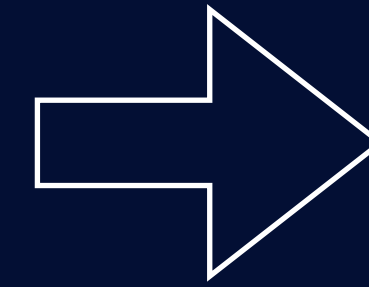
1.68%

Gearbox

A shield-shaped logo with a pink border, containing a white gear and a pink flame.

Allowed tokens

- Aave
- DAI
- USD Coin
- Wrapped ETH
- Uniswap
- REN



Traders can swap tokens from the pool allowed list on first class DEXes.
Funds are held on Gearbox contracts and cannot be withdraw by traders

Risk management

Gearbox uses a risk model to continuously assess the quality of a trader's portfolio

ETH

1.68%

CONS.

Trader portfolio

Aave	100	0.27900 ↑	27.900€
DAI	550	0.00057 ↓	0.314€
USD Coin	1240	0.00057 ↓	0.704€
Link	154	0.01525 ↑	2.348€
Wrapped ETH	1	1.00000	1.000€
Uniswap	730	0.01102 ↓	8.045€
USDT	52	0.00057 ↓	0.030€
Total			40.340€
Liquidation threshold			7.868€
Risk level			Low

Liquidation

If the value of the portfolio converted to the underlying asset is below the liquidation threshold, it can be liquidated with the liquidator's premium.

0x1233....34	145.1%
0x1b3a....ff	123.8%
0xffa6....3a	102.7%
0xa436....bb	98.5%
0x6c8a....4b	92.5%
0x178c....44	85.5%
0x1a6d....ee	82.8%
0x8a93....6b	82.7%
0x6eaa....ef	82.6%

Liquidation
threshold

Traders` portfolios below
can be liquidated

DAO

Liquidity providers vote on Allowed Token Policy and liquidation threshold

ETH

1.68%

CONS.

Proposals

Allow yCRD	03.03.2021	vote
Allow FRAX	27.02.2021	vote
Decline LEND	finished	approved
Set liquidation to 12%	finished	approved
Allow USDT	finished	cancelled



Gearbox protocol

trade. leverage. earn

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