



LENDROID

Website: <https://lendroid.com>

Twitter: [@lendroidproject](https://twitter.com/lendroidproject)

Telegram: <https://t.me/lendroidproject>

Matrix: <https://riot.im/app/#/room/#lendroid:matrix.org>

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Lendroid is a **Non-Rent-Seeking
Trust-Independent Open Protocol** for
Decentralized Lending.

It Enables Holding
Leveraged Trade Positions and **Short
Positions** of ERC20 Tokens.



The market already exists

Margin Funding in excess of \$500 Million*

Growing Decentralized Infrastructure

Trustless exchange protocols,
Trustless Fund management protocols, etc

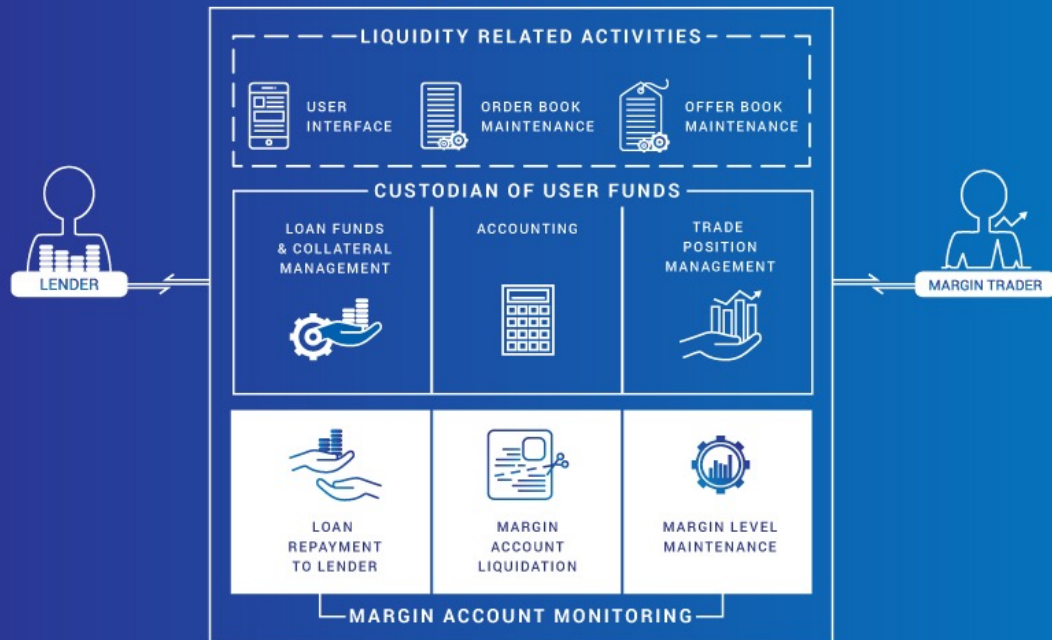
An ideal first use case for Lendroid

The need for decentralization,
trust-independence is immediate

WHY MARGIN TRADING?

MARGIN TRADING CENTRALIZED ARCHITECTURE

CENTRALIZED EXCHANGE



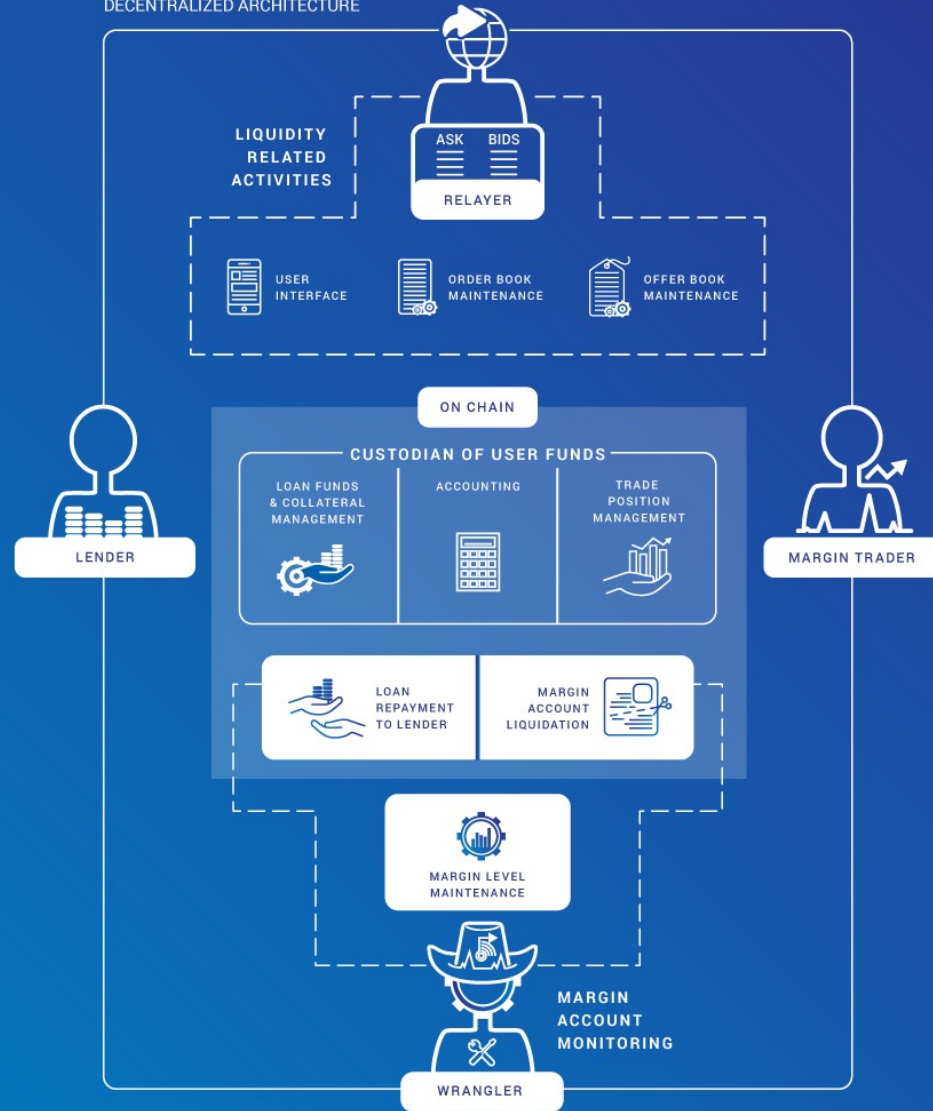
A MATTER OF TRUST

- Centralized and Localized
- Crippling Regulations
- Cost to safe-guard user funds too high.
- All the equations - between Lenders, the Exchange, and the Traders, are dependent on trust.

This is not trust independent. This is not the ecosystem as it should be.

MARGIN TRADING

DECENTRALIZED ARCHITECTURE



THE LENDROID ADVANTAGE

- Comparable leverage levels to today's centralized alternatives.
- Decentralized with multiple, incentivized symbiotic off-chain participants
 - Relayers - Liquidity related activities
 - Wranglers - Margin account monitoring and liquidation
- Global, permission-less and open.
- Transparent, airtight, unbound by regulation
- Global lending pool (more on this in a minute)



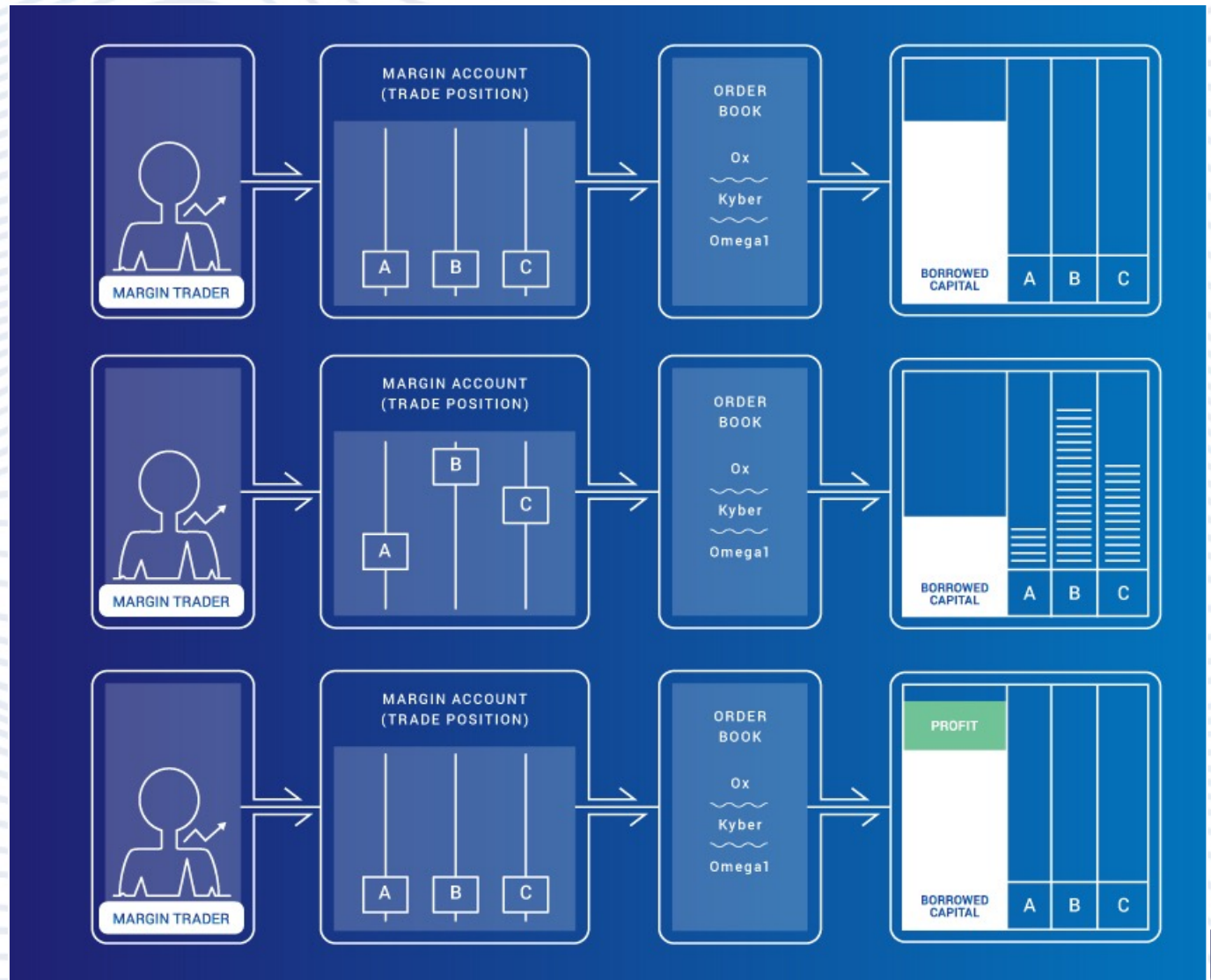
**LOAN OFFERS ARE
TRANSMITTED OFF-
CHAIN, AGGREGATED
AND DISPLAYED BY
RELAYERS**

- Extension of 0x-inspired Relayers
- Low cost offer maintenance
- Off-chain loan offer object holds lender's intent to lend.
- Funds always managed by smart contract.
- On-chain action only required when loan is availed.

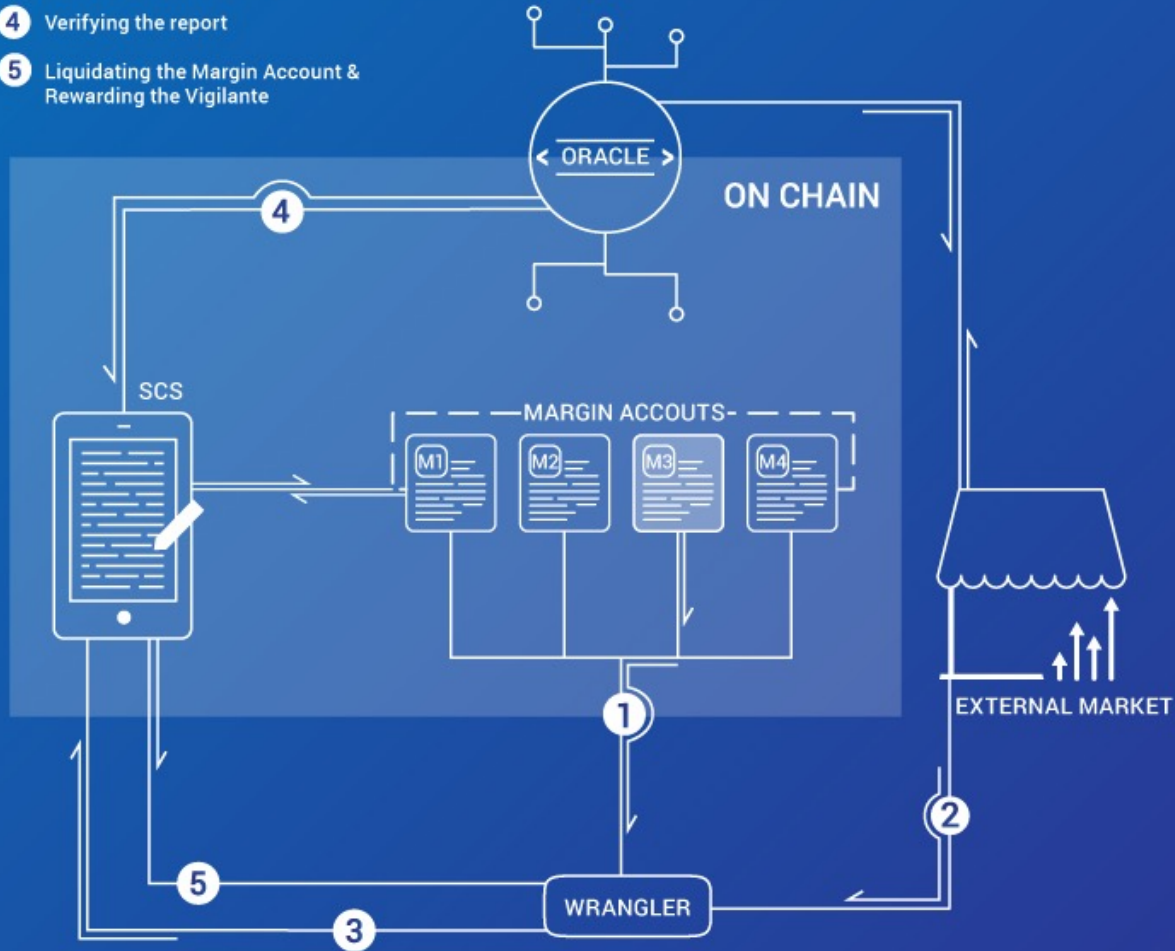
**MARGIN TRADER
DEPOSITS COLLATERAL**

**AVAILS LOAN BY
PICKING LOAN
OFFERS.**

**USING THE
BORROWED CAPITAL,
OPENS TRADE
POSITIONS.**



- 1 Actively listening to state changes in any Margin Account
- 2 Recursive querying of market data
- 3 Reporting a defaulting Margin Account & initiating liquidation
- 4 Verifying the report
- 5 Liquidating the Margin Account & Rewarding the Vigilante



MARGIN LEVEL MONITORING



MARGIN ACCOUNT COLLATERAL AUCTION

- 3-Minute on-chain auction.
- Competition between wranglers.
- Multiple wranglers can bid for small portions of the account.
- Wranglers who bid for least share of collateral chosen.
- Positions are transferred to wrangler and not liquidated.

	Loan Repaid	Collateral % Requested
Wrangler 1	10	100
Wrangler 2	30	45
Wrangler 3	50	65
Wrangler 4	30	50

	Loan Repaid (ETH)	Collateral % Requested	Accepted	LST %	Actual Collateral % Distributed
Wrangler 2	30	45	30	10.2	$= 45 * 30/101.5 = 13.3\%$
Wrangler 4	30	50	30	10.2	$= 50 * 30/101.5 = 14.82$
Wrangler 3	50	65	41.5 accepted and 8.5 refunded	54.6	$= 50 * 41/101.5 = 26.58\%$
Wrangler 1	10	100	Rejected and Refunded	25	0
Margin Trader					Refunded = 45.3%

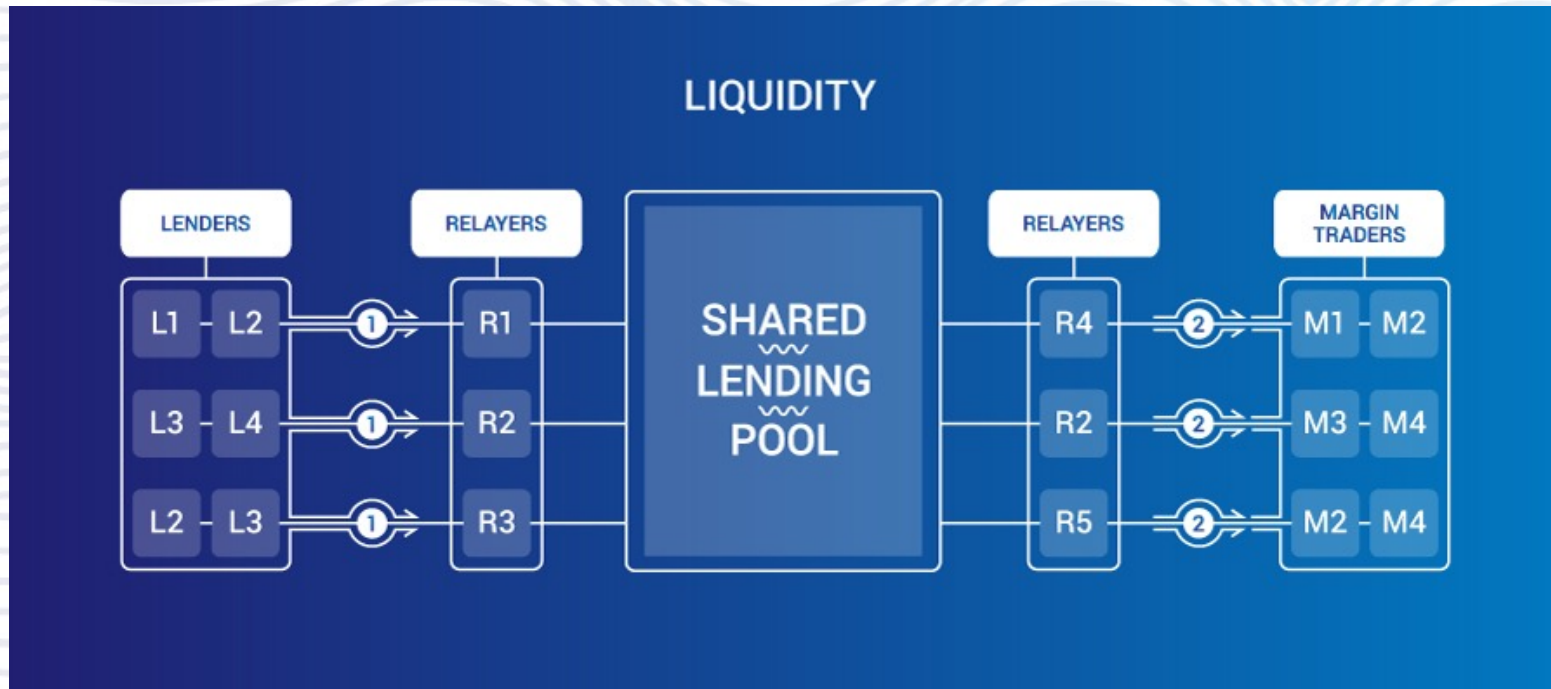
LENDROID SUPPORT TOKEN (LST)

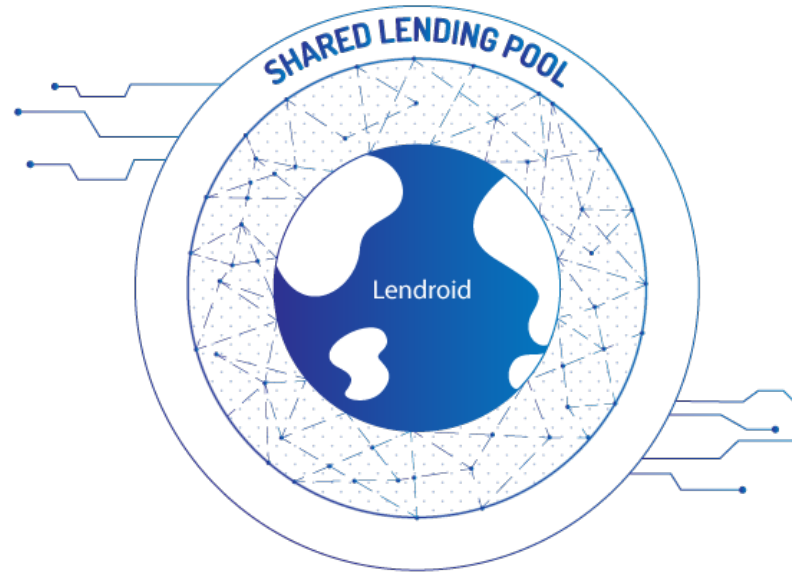
- Non-rent seeking
- Payment currency within the Lendroid economy. Fuels the utility layer of the network
- Fees paid by lenders and borrowers to use the network.
- Fee received by relayers and wranglers who keep the network operational.
- Offers security to community governance through
 - Code upgrades
 - Network parameters
 - Supported assets

Transaction	Lender	Relayer	Wrangler	Margin Trader
Avail Loan	-	-	-	-
Close Loan	Pays	Receives	Receives	Pays
Margin Position changed	-	Receives	Receives	Pays
Margin Call	Pays	-	Receives	Pays

GLOBAL SHARED LENDING POOL FOR DIGITAL ASSETS

STARTS BY ENABLING MARGIN TRADING THAT CAN BE EXTENDED
AND USED FOR SEVERAL LENDING RELATED APPLICATIONS





THE LENDROID VISION

- Single global lending pool on which several applications can be built.
- Borrow against anything that can be tokenized

Applications we are building

- Leveraged Trade positions
- Short sell digital assets

Extensible

- Interest bearing accounts
- Collateralized loans
- Line-of-credit applications

Thank you!



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