LedoChain White Paper

Building a distributed reading power exchange network based on "value contribution"

2018/7/26

Singapore

Risk factors and disclaimers

This risk factor and disclaimer ("this statement") is for the distributed system "LedoChain". Anyone who purchases, uses, trades or holds the cryptographic token "LRT" used by LedoChain should read, understand and accept this statement carefully.

(1) Before taking any action against LedoChain or LRT, you should read and understand it carefully:

(a) All information published on LedoChain's official website "www.LedoChain.org" (updated from time to time);

(b) LedoChain's white paper.

The above information is an integral part of this statement. If you have any questions or problems with the information contained in the above information or the matters not covered, please contact LedoChain's developer Ledo Foundation Limited (a public guarantee company in Singapore) at your convenience. You should avoid participating in the LedoChain sales program or purchasing any LRT before you get a satisfactory response.

(2) Essentially the use of LRT is limited to enabling holders to use certain features within the LedoChain system. Therefore, LRT does not represent the following things, nor does it have the following functions:

(a) an equity (or similar right) of any entity located in any country or an obligation of that entity;

(b) claims or claims against any person;

(c) any type of investment in any undertaking;

(d) any securities, whether or not they have intrinsic value or market price;

(e) a voucher representing a certain underlying asset;

(f) any commodity or asset that any person is obliged to redeem or acquire.

(3) Ledo Foundation Limited hereby expressly disclaims liability for the matters listed below and is not responsible to anyone under any circumstances:

(a) Any person who purchases or holds an LRT violates anti-money

laundering, counter-terrorism financing or other regulatory requirements imposed in any area;

(b) Any person who violates any representations, warranties, obligations, undertakings or other requirements set forth in the contract between the LRT and the relevant Seller, and the resulting unpaid or unrecognizable LRT;

(c) The LRT's sales plan is terminated early for any reason;

(d) LedoChain's development failed or was abandoned, and the resulting failure to deliver the LRT;

(e) Delays or delays in the development of LedoChain and, as a result, the inability to achieve the desired schedule;

(f) errors, defects, defects or other problems with the LedoChain source code;

(g) failure, collapse, collapse, rollback or hard fork of the LedoChain platform or the Ethereum blockchain;

(h) LedoChain or LRT fails to perform any specific function or is not suitable for any particular purpose;

(i) the use of funds obtained from the sale of the LRT;

(j) Failure to promptly and completely disclose information about LedoChain development, including the source code for LedoChain;

(k) any purchaser who discloses, loses or destroys the wallet private key of the digital cryptocurrency or token (especially the private key of the wallet in which it is stored);

(l) LRT's third-party crowdfunding platform for breach of contract, violation, infringement, collapse, libel, termination or suspension of service, fraud, misuse, misconduct, error, negligence, bankruptcy, liquidation, dissolution or closure;

(m) Any purchase of this agreement with a third-party crowdfunding platform with the Ledo Foundation

There are differences, conflicts or contradictions in the information published by Limited;

(n) any transaction or speculation by the LRT;

(o) LRT listing or delisting on any exchange or trading platform;

(p) The LRT is classified or treated as a currency, securities, commercial paper, negotiable instrument, investment or other matter by any government, quasi-government agency, competent authority or public agency, so that it is prohibited, regulated or legal limit.

(4) LedoChain's sales plan (if any) may be terminated early, at which point the purchaser may only partially refund the amount paid by Bitcoin/Ethernet price fluctuations and Ledo Foundation Limited's expenses.

(5) As of the date of this statement, LedoChain is still in the development stage, and its philosophy, consensus mechanisms, algorithms, code, and other technical details and parameters may be constantly updated and changed. Although LedoChain's white paper contains the latest key information from LedoChain, it is not completely complete and will still be adjusted and updated from time to time by Ledo Foundation Limited for specific purposes. Ledo Foundation Limited is incapable and not obligated to inform the purchaser of every detail of the development of LedoChain (including its progress and expected milestones, whether delayed or not), and therefore does not necessarily give buyers timely and sufficient knowledge of LedoChain development from time to time. Information. Insufficient disclosure of information is inevitable and sensible.

(6) The source code of LedoChain will not be opened immediately, but will be gradually phased in according to LedoChain's development progress and application. Ledo Foundation Limited does not commit to the specific time when the LedoChain source code is open.

(7) Encrypted tokens are being or may be regulated by the authorities of different countries. Ledo Foundation Limited may from time to time receive inquiries, notices, warnings, orders or rulings from one or more authorities, and may even be ordered to suspend or terminate any action on the LedoChain sales plan, LedoChain development or LRT. The development, marketing, promotion or other aspects of LedoChain and the LedoChain sales plan may therefore be severely affected, hindered or terminated. As regulatory policies are subject to change at any time, existing regulatory approvals or tolerances for LedoChain or its sales plans in any country may be temporary. In various countries, LRT may be defined as virtual goods, digital assets or even securities or currencies at any time, so in some countries LRT may be prohibited from trading or holding in accordance with local regulatory requirements.

(8) Cryptography is evolving and cannot guarantee absolute security at all times. Advances in cryptography (such as password cracking) or technological advances (such as the invention/improvement of quantum computers) can be dangerous for cryptographic-based systems, including LedoChain. This may result in the theft, theft, disappearance, destruction or devaluation of the LRT held by anyone. To the extent reasonable, Ledo Foundation Limited will be self-prepared to take preventive or remedial measures, upgrade LedoChain's underlying agreements to address any advances in cryptography, and incorporate new reasonable security measures where appropriate. The future of cryptography and security innovation is unpredictable, and Ledo Foundation Limited will work with other members of the LedoChain community to adapt to the changing world of cryptography and security.

(9) LedoChain is still in the development phase, not the finished product that is ready to start. Due to the technical complexity of LedoChain, Ledo Foundation Limited may face unpredictable and/or insurmountable difficulties from time to time. Therefore, the development of LedoChain may fail or abandon at any time for any reason (eg due to lack of funds). Failure to develop or abandon will result in the LRT being unable to be delivered to any participant in the LRT sales program.

(10) There may be people attempting to steal LRT sales funds (including those that have been converted into legal currency). Such theft or theft attempt may affect Ledo Foundation Limited's ability to fund LedoChain development. Although Ledo Foundation Limited will adopt state-of-the-art technology solutions to protect the security of crowdfunding, some cyber thefts are still difficult to completely prevent.

(11) No one can guarantee that the source code of LedoChain is completely flawless. Code may have certain flaws, bugs, bugs, and vulnerabilities that may prevent users from using certain features, exposing users' information, or causing other problems. If such defects are present, the availability, stability and/or safety of LedoChain will be compromised and thus have a negative impact on the value of LRT. The exposed source code is based on transparency to facilitate the identification and problem solving of code originating from the community. Ledo Foundation Limited will work closely with other members of the close LedoChain community to continuously improve, optimize and improve the source code of LedoChain.

(12) In contemporary blockchain projects, there are three

popular types of distributed ledgers, namely, books with no access permits, federated accounts, and private books. LedoChain will be based on a federated distributed ledger. Although LedoChain was originally developed by Ledo Foundation Limited, it is not exclusively owned, operated or controlled by Ledo Foundation Limited, but is maintained by multiple nodes within the Alliance.

(13) The source code for LedoChain will eventually be open source and may be upgraded, modified, modified or changed from time to time. No one can anticipate or guarantee an accurate result of an upgrade, revision, modification, or change. Therefore, any upgrade, correction, modification or modification may result in unanticipated or unintended consequences, thus

The value of LedoChain's operation or LRT has a significant adverse effect.

(14) The LRT will be based on the ERC-20 token from Ethereum. Ethereum is based on open source software and is a distributed ledger with no access permissions. Although the Ethereum community strives to maintain the security of the Ethereum network, anyone may intentionally or unintentionally bring weaknesses or defects into the core infrastructure elements of Ethereum, which may not be prevented by the adopted security measures. Or make up. This may eventually result in the loss of anyone's LRT or other digital tokens.

(15) Ethereum is designed to be open and has no permitted books. Therefore, Ethereum may suffer from network attacks such as “distributed denial of service” and “banshee attack” from time to time. This type of attack will cause the Ethereum network to be negatively affected, stagnant or embarrassing, and as a result, transactions on this side are delayed or written into the block of the Ethereum blockchain, or even temporarily unavailable. The operation of Ethereum will therefore be affected, interrupted or terminated.

(16) Anyone who obtains the purchaser's registered email address or registered account access by decrypting or cracking the LRT purchaser's password will be able to maliciously claim the LRT purchased in the LedoChain sales plan. Accordingly, the LRT purchased by the purchaser in the LedoChain sales plan may be sent incorrectly to anyone who claims the LRT through the purchaser's registered email address or registered account, and such transmission is irrevocable and irreversible. Each purchaser should take the following measures to properly maintain the security

of their registered email address or registered account: (i) use a high security password; (ii) do not open or reply to any fraudulent email; and (iii) strictly keep confidentiality of their confidentiality Or personal information.

(17) If the private key necessary to access the LRT is lost or destroyed, this may be irreversible. The LRT can only be manipulated by a local or online wallet that possesses the unique unique public and private keys. Each holder should keep the private key in the wallet where the LRT is stored. If the LRT holder's private keys are lost, lost, compromised, damaged or compromised, Ledo Foundation Limited or any other person will not be able to assist the holder in accessing or retrieving the relevant LRT.

(18) Depending on the underlying protocol at the time of LedoChain's release, the total LRT may increase over time and may increase further due to patches or upgrades that incorporate LedoChain source code. The resulting LRT supply inflation may cause market prices to fall, and LRT holders may suffer economic losses. LRT purchasers or holders are not guaranteed to receive some form of compensation or compensation for LRT inflation.

(19) The value of LRT is highly dependent on the popularity of the LedoChain platform. LedoChain is not expected to be popular, prevalent or widely used in a very short time after its release. In the worst case, LedoChain may even be marginalized for a long time, attracting only a small number of users. In contrast, a large LRT demand may be speculative. Lack of users may lead to increased price fluctuations in the LRT market and thus affect the long-term development of LedoChain. In the event of such price fluctuations, Ledo Foundation Limited will not (and is not responsible for) stabilizing or affecting the market price of the LRT.

(20) The LRT is neither a currency issued by any individual, entity, central bank or state, supranational or quasi-national organization, nor supported by any hard assets or other credit. The circulation and trading of LRT in the market is not the responsibility or pursuit of Ledo Foundation Limited. LRT trading is based solely on the consensus reached by relevant market participants on their value. No one is obligated to redeem or purchase any LRT from the LRT holder, and no one can guarantee the liquidity or market price of the LRT at any time. In order for the LRT holder to transfer the LRT, the LRT holder is looking for one or more buyers who are interested in purchasing at the agreed price. This process can be costly, time consuming, and ultimately unsuccessful. In addition, there may be no encrypted token exchanges or other online LRTs

available for public trading.

(21) If trading on the open market, crypto tokens usually fluctuate wildly. Price shocks often occur in the short term, and prices may be quoted in Bitcoin, Ethereum, US dollars or other legal currencies. Such price volatility may be caused by market forces (including speculative trading), regulatory policy changes, technological innovations, the availability of exchanges, and other objective factors that also reflect changes in the balance of supply and demand. Ledo Foundation Limited is not responsible for any secondary market LRT transactions, regardless of whether there is a secondary market for LRT transactions. Therefore, Ledo Foundation Limited

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Summary

Blockchain enables users and businesses, users and users, businesses and businesses to collaborate efficiently through math, cryptography and program code without relying on a large variety of intermediaries and intermediaries. This is a revolution in global production relations! In the era of information Internet, the information surplus, the value contribution of users become scarce resources and continue to focus on the head, the growth of enterprises is weak, and the traffic market encounters bottlenecks. The blockchain is pushing the information Internet to the value Internet transformation, and LedoChain came into being.

LedoChain uses blockchain technology to transform the production relationship, so that the value contribution of global users can be quantified, recorded, and valued through the exchange of the reading power system. Together with the sustainable growth of the company, it can achieve a positive incentive cycle and reconstruct global value. Contribution distribution.

LedoChain has built a Ledo Contributions & Requite Value Chain (LRT) to connect the supply and demand of value contributions with an open protocol group to promote the effective flow of value Internet value. There are three core components in the entire value network:

1) The UCV (User Contributions Value) evaluation system will scientifically measure the value of user value contribution while being seamlessly compatible with traditional point systems;

2) The release of UCT (User Contributions Token) enables companies to issue their own Token return users and implement synergy and value exchange between multiple enterprises based on LRT, the cornerstone of the reading power attribute;

3) Building a value-based platform based on consensus and driven by Token, solving the problem of source of value contribution, stimulating all users in the ecology as participants, and actively promoting the positive cycle of global product-effect communication ecology.

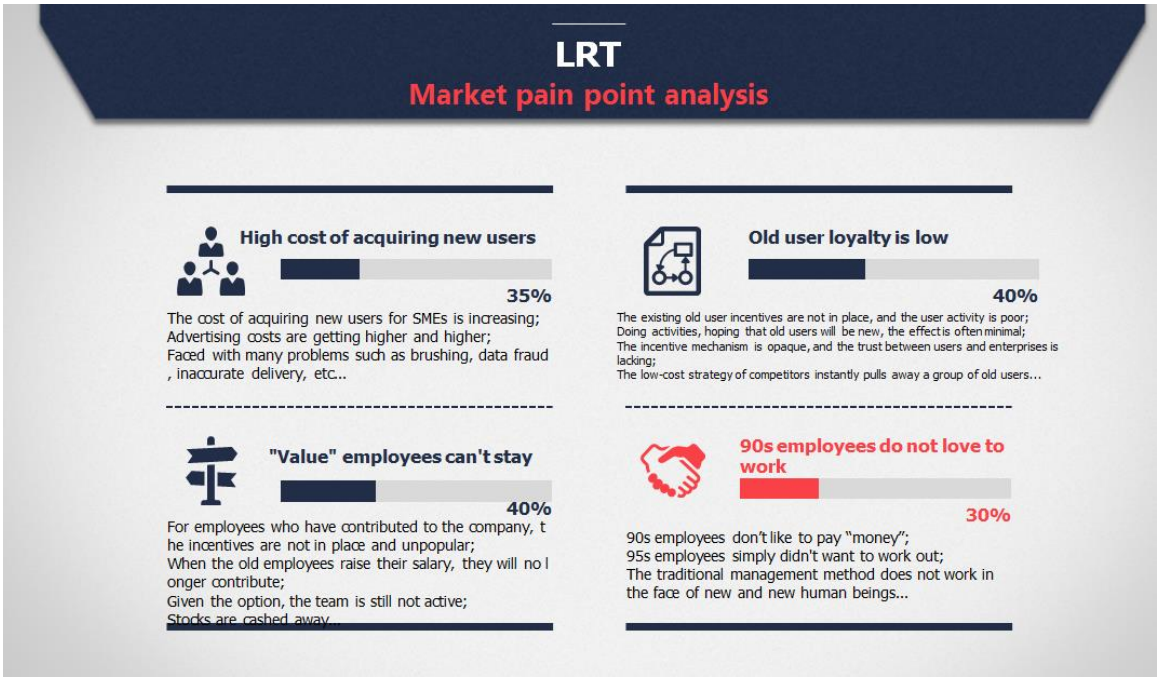
LedoChain has a good foundation, and the partners have a good user base and landing scenarios, such as: members of the Chinese corporate clubs and their strategic investment companies, members of the Shuangzhi Elite Club, members of today's music and music clubs and Its scholarly university member companies, BSN Holland Business School, Paris Business School, University of Luton, University of California, University of California, Trinity University, Hong Kong University of Science and Technology, etc.

1. Project background

1.1. Industry pain points

In the current market environment, regardless of mature enterprises or start-up enterprises, the difficulty and cost of acquiring new users are rising rapidly. The cost of acquiring new users for SMEs is getting higher and higher, the advertising costs are getting higher and higher, and they face bills, data fraud, There are many problems such as inaccurate delivery. In addition, the existing old user incentives are not in place, the user activity is poor, doing activities, hoping old users to pull new, the effect is often minimal, the incentive mechanism is opaque, the trust between users and enterprises is lacking, the competitors are low. The price strategy has taken away a group of old users in an instant, and the enterprises are faced with the rapid rise in costs and the dilemma of declining profits, which has caused a fundamental crisis in the business ecology built by enterprises.

In the era of mobile Internet, only information can be exchanged, and value exchange cannot be performed. This makes the value contribution of the user difficult to measure, and there is no return, so the user has no enthusiasm for sustained value contribution. Users support a company with a market value of 100 billion, but they seem to be only able to act as tiny particles that contribute data, contribute money, and contribute time. Enterprises will spend 30%-60% of the main business income of marketing expenses in traditional media such as 4A companies, enterprises can hardly see the effect data. The value contribution of users is ignored. This unfair business model in turn exacerbates the difficulty of business operations and creates an infinite loop of injustice.



1.2. Industry Trends: Embracing a new revolution in production relations

Blockchain can promote multi-party trust due to its transparent and non-tamperable nature, while blockchain-based smart contracts and value exchanges enable companies to directly build trust with users and other businesses. In most scenarios, only the math, cryptography, and program code are needed to ensure a contractual relationship with each other. The old business model and production relationship will eventually be broken with the popularity of LRT.

In the era of mobile Internet, leading enterprises with high organizational efficiency or strong capital advantages have monopolized their fields with the advantage of scale. However, in the value contribution Internet, the advantages of leading enterprises are no longer absolute. The update of production relations brings new opportunities to business owners. Only by seizing the opportunity to embrace the new production relationship and operation model between enterprises and users can we The blockchain era realizes a closed loop of growth and sits on a stable and active user base.

For leading enterprises, they must also actively respond to the decentralization challenge brought by the blockchain, and try to maintain a new growth mechanism of enterprise and user win-win symbiosis, so that it is possible to maintain the leading position for a period of time without wavering.

1.3. User Contributions & Requite based Growth Methodology

The contradiction between the amount of information generated by geometric growth in the mobile Internet and the contribution of limited user value makes user value contribution a scarce resource. The blockchain makes it possible to record, quantify, and transform intangible user value contributions into a tangible value system. The new growth mode with user value contribution as the core link has the basis for realization.

The core of growth is to capture the contribution of user value: the record, evaluation, incentive, and operation of the contribution to user value become a very important task for the enterprise. At the same time, where users allocate their energy, it is considered to be an effective recognition of the company's services and should be part of the enterprise value system. Users add value to their value through their own value contribution; the enterprise provides users with value measurement and value conversion, and truly forms a community of interests with users. In the era of Industry 4.0, which is about to arrive, users are both consumers and enterprises. And value contributors!

1.4. The goals and vision of LedoChain

LedoChain builds a distributed reading force exchange network based on “value contribution”, which provides enterprises with richer and more user value contribution operation and employee relationship management methods, and

provides users and usage scenarios for existing alliance chain and public chain projects. Let the value contribution of global users be valued, and together with the growth of the enterprise, realize a positive incentive cycle and reconstruct the operation and production mode of the enterprise.

LedoChain hopes that every user can benefit from the blockchain without changing the original behavior; every entrepreneur who respects the user can provide real value contribution feedback through LedoChain, thus achieving high-speed growth.

2. Solution

2.1. *LedoChain Contributions & Requite Exchange Network*

LedoChain proposes a growth methodology based on user value contribution, and builds a LedoChain Contributions & Requite Exchange Network based on value contribution to connect the supply and demand sides of the value contribution group with open agreement groups. The user operation means, on the other hand, provides real users and usage scenarios for various existing public chain projects, and promotes the quantification and effective circulation of user value contributions.

The value contribution exchange network realizes the value transfer in the distributed business society, brings a new production relationship experience to users and enterprises, and redefines the value contribution circulation structure.

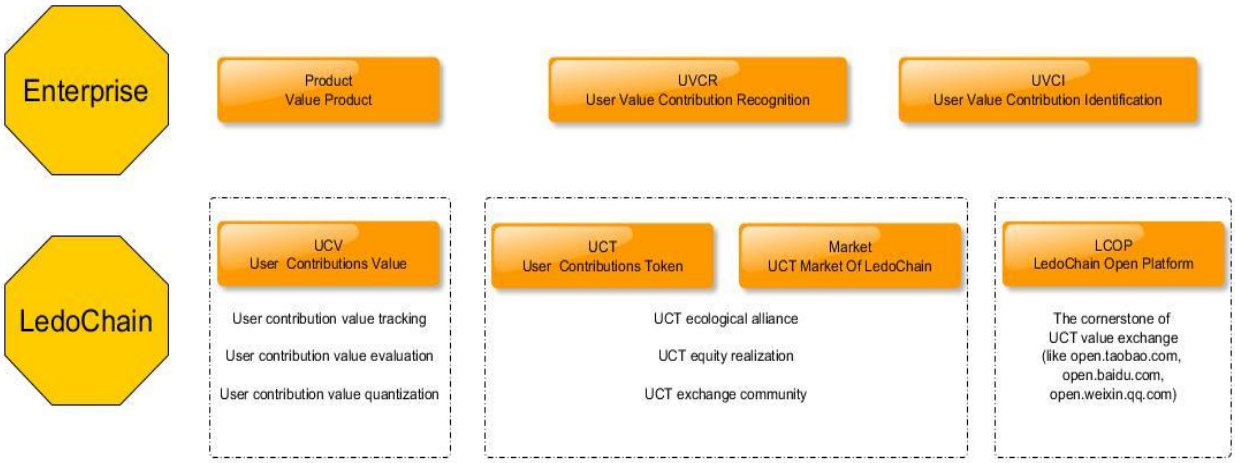
The core components of the project include:

1. Value Contribution Evaluation System: UCV (User Contributions Value) effectively evaluates user value contribution and completes digitization and assetization, provides effective workload proof, ie UCV, establishes trust relationship between enterprises and users and a new community of destiny mechanism;
2. Value Contribution Incentive System: UCT (User Contributions Token), UCT App Store

(Application Market of LedoChain UCT Alliance) companies can issue UCTs based on UVC values, and use LEDO (Ledo Requite Token in mainland) as the benchmark to realize user circulation and UCT value exchange between multiple enterprises, thus creating a pass. The era of hard pass certificates.

3. To address the issue of tracking and evaluating user value contributions, LedoChain will provide an open platform based on blockchain technology (LedoChain Open Platform) based on consensus, contract-based, Token-driven, and industry-wide The

decentralized value contribution assessment open platform, while at the same time addressing the issue of globalization value contribution circulation caused by cultural differences.



2.2. Circulation value of LRT

2.2.1. Value Anchor for LRT

- As the cornerstone of the exchange of value contributions Token, LRT provides the foundation for the value of the global enterprise's production operations:
- Let more business scenarios of the enterprise fall: such as praise, forwarding, content subscription, etc. LRT will continue to support more business scenarios in the field of value growth, and continuously improve the ecological value; as a reward for the contribution of user value, truly achieve the effect of 1+1>2; LRT is not limited to a single app or a single enterprise, LRT Being able to circulate in a number of scenarios that are closely related to the value of each family, combined with an effective assessment of the contribution of user value, can serve as an effective endorsement for the enterprise, thereby enabling rapid operation of business logic.
- LRT is an incentive for the underlying contribution of the value open platform, such as rewards for translators and rewards for communicators.
- LRT can also be used as a reward for high-quality content producers in the content transfer process to promote the healthy development of the content ecosystem.

2.2.2. Characteristics of LRT

- The LRT has the following features:
- A limited amount: maintaining a certain amount of consumption and scarcity
- A large number of circulation scenarios: covering a wide range, basically supporting

the business scenarios of all product-oriented and user-service enterprises.

2.2.3. Wide population: The value contribution economy covers all mobile Internet people. LRT can deeply identify and evaluate the contribution of user value, and value feedback through the application market.

2.2.4. Circulation of LRT

As the cornerstone of LedoChain Token runs through the entire system and is used by different holders in the ecosystem: companies, employees, users, content producers, advertisers, and more.

Each role has different acquisition and consumption scenarios:

1. enterprise

Enterprises use LRT to provide continuous or active incentives for the value contribution of users, with the following advantages:

1) There is better room for value-added than regular cash voucher incentives.
2) There is more sustained attention than the conventional cash voucher incentive. The attention paid by the cash voucher incentive is one-off, but the LRT is a process of continuous attention before being consumed or extracted, and the user is greatly increased in a subtle way. Value contribution investment.
3) To a certain extent, the better the development of the enterprise within the ecology, the higher the overall value of the LRT ecosystem. Because of the long-term incentives of UCT/LRT, users will take the initiative to do a lot of things that are beneficial to the company, thus obtaining more UCT/ LRT, promotes a positive cycle of the LRT ecology.
4) Before the company's own Token has not been released, LRT provides a strong endorsement for the company's user value contribution reward program, stimulating rapid growth.
5) Once the company's own Token is operating well, 1+1>2 will appear, enriching the user's choice and experience.

In addition, companies can earn LRT rewards by contributing to the ecology, such as becoming a super node in an industry in the LRT ecosystem, or allowing their advertising systems to support LRT delivery. As a strategic support, the company will return a high-speed and value-added Token, such as advertising revenue or commission income, to the community and into the pool of support programs to promote the healthy development of the entire LedoChain ecosystem. At the same time, the improvement of the ecological value of LRT will in turn support the enterprise to a greater extent, and the positive cycle will thus form.

2. Employees

The company will reward the ECT according to the value of the ECV obtained by the employee, and then reward the certain LRT according to the ECT. The employee can obtain the ECT/LRT in the application market/welfare market according to the LRT owned by the employee, or in the enterprise within the LedoChain ecology. Equity exchange.

3. User

The company will award the UCT according to the value of the UCV obtained by the user, and then reward the certain LRT according to the UCT. The user can obtain the UCT/LRT in the application market/welfare market according to the LRT owned by the user, or in the enterprise within the LedoChain ecosystem. Equity exchange. The future of distributed business will be user-centric, users will have a variety of Token attributes (basic pass and proof of equity). The large-scale growth of the user community can bring about the rapid circulation of LRT and the docking of larger scenes.

4. Content producer

The content producer mainly refers to the creators who can provide the content, and individuals or organizations with content-related skills such as video production, content translation, and the like. In use, the content contributor's consumption scenario is relatively straightforward: use LRT to publish tasks in the community, such as translation, subtitle matching, etc., to perform LRT incentives on demand; in addition, you can also buy better content publishing locations for traffic parties, so that Get more value contributions. At the same time, the LedoChain platform regularly rewards outstanding content contributors, such as additional LRT rewards for users with high community contributions on a monthly/weekly basis to encourage active and benign contributions from users in the community.。

5. Advertiser

Some of the high-quality resources in the ecology are only accepted by LRT, including information flow advertising, content promotion, application market exposure, or some important rankings or creative activities.

2.3. LedoChain technology implementation

2.3.1. Four-chain six-layer modular technology architecture

LedoChain is committed to providing standardized, large-scale, fast access solutions for Internet companies around the world, and bringing massive users and enterprises into the value-chain exchange network of blockchains without changing the behavior of Internet users. Unlike most classic blockchain projects, LedoChain provides a solution that allows the entire value loop to run quickly, from the first day to hundreds of millions of Internet users and millions of Internet companies. The solution provided by LedoChain needs to be able to coordinate the relationship between Internet-

level user products and blockchain professional products, as well as the intermediate state of handling large amounts of mobile Internet user behavior, large-scale small-scale high-frequency transactions, and second-level response. User experience and unpredictable miners' costs and existing underlying public chain conflicts.

In such an application area, LedoChain needs to solve the following problems:

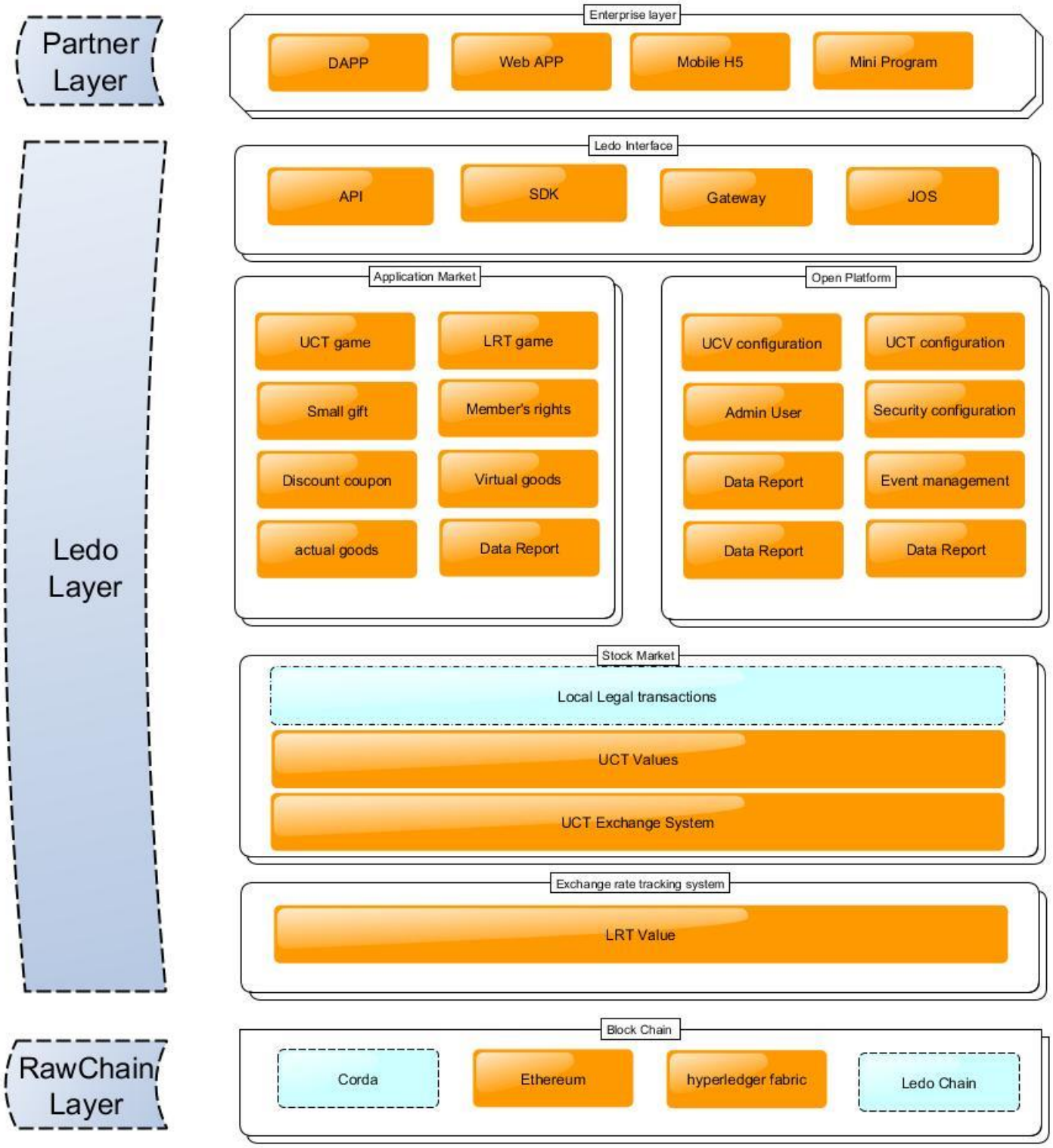
1. User experience of second-level response: miners' packaging time is unpredictable, and the feedback time of asset transfer and purchases on the public chain depends entirely on the performance, throughput and current status of the public chain itself. It is difficult to predict, and all Transactions cannot be completed in real time, and the user experience will be very poor as an Internet product;
2. Public chain congestion: Massive Internet-level high-frequency access will create “aggressive” access to the underlying public chain, and once the public chain is blocked, other customers on the public chain will be affected;
3. Miners' costs: Massive Internet products have a large number of intermediate states, as well as small incentives (similar to red envelopes). If the transfer of assets requires miners' fees, it will cause a lot of Internet activities to lose their original meaning: for example, users can grab them. The red envelope or the value contribution reward obtained during a certain period of time is not enough to pay the miner's fee;
4. Public chain protection assets and Internet services: Open up the circulation scene of Token, enabling it to efficiently transfer in the Internet service ecosystem;
5. Privacy protection and data isolation of enterprise-level applications: It is impossible for enterprises to put all data on the chain, and the data on the uplink needs to be appropriately isolated according to the demands of the enterprise;
6. Stability: Product-level releases require stable underlying support.

LedoChain uses four-chain mirroring to solve the above problems:

1. LedoChain LRT Token, and some selected UCT tokens released in the public chain, released based on Ethereum ERC20 as the user's protection asset layer;
2. The design goal of this layer is to create a value-free Internet with no miners, real-time feedback, and free circulation through a relatively credible infrastructure. In terms of specific technology implementation, the backbone technology of the first phase is built on the high-concurrency “non-related diversified enterprise alliance assets” layer based on intelligent contracts through the technical architecture such as Hyperledger Fabric. The intermediate state of asset circulation within the system is jointly maintained by the enterprise. The agent accounting node is composed of real zero-mining labor and real-time user experience for real-time asset transfer asset consumption, and is appropriately mapped with the protection asset layer. When the intermediate state is accumulated to a certain extent, the user triggers the asset-winding process.

LedoChain's technology vision is to promote the true landing of the value-contributing exchange network through appropriate technical architecture and continuous iteration, providing enterprises with a new production operation mode.

In the process, LedoChain is working with a large number of underlying technology development teams, including the public-chain technology development team, to improve the public-chain infrastructure that meets enterprise-level requirements, and to perform non-inductive migration when the solution is mature.



2.3.2. LedoChain Protocol Group

LedoChain consists of a series of protocol groups and upper reference

implementations. Some of the protocols are as follows:

1. User Value Contribution Evaluation Agreement

   CTP: Contributions Tokenization Protocol

   Effectively identify user value contributions, rate user value contributions, and translate user value contributions into effective workload proofs.

2. User value contribution feedback agreement

   CRP: Contributions Requite Protocol

   Reward users based on user value contributions and support multi-party joint rewards. CRP provides standard access protocols, rulemaking protocols, budget allocation agreements, settlement and reporting protocols for participants with budgets. Help them to motivate eco-users according to certain rules and conditions. At the same time, CRP is a user-owned, providing standard access protocols, distribution agreements, settlement and reporting protocols, and extraction guidance for participants who make small incentives to users.

3. Unique identification access protocol

   UIP: Universal ID Protocol

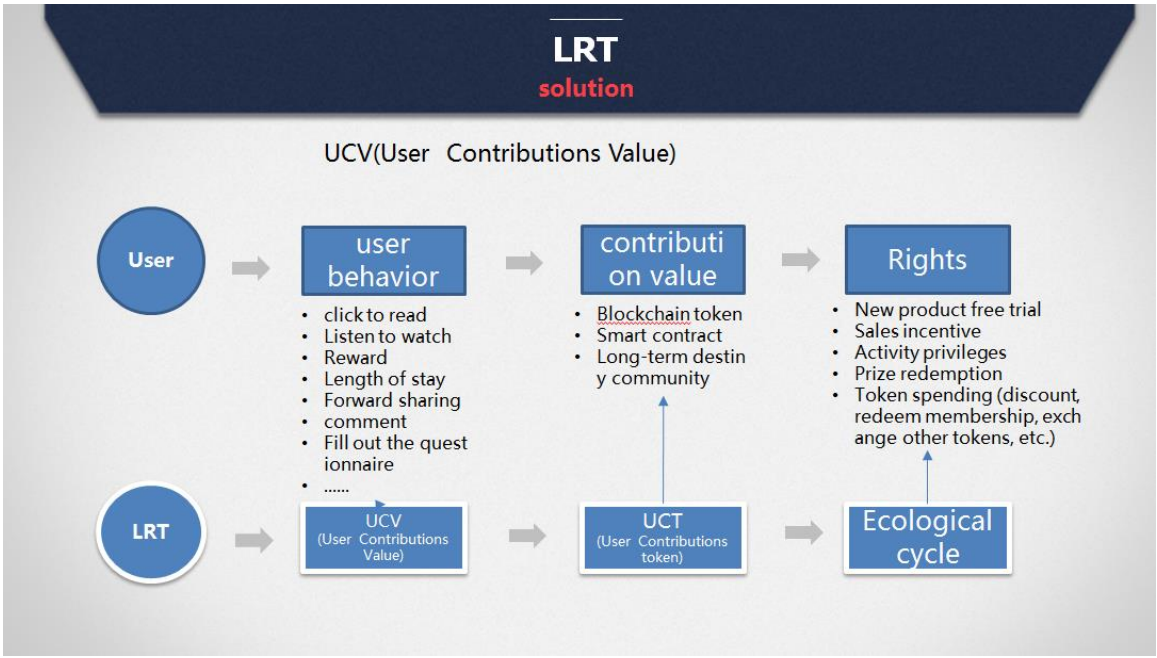
   The ID service of each party is combined to assign IDs to users, content, and enterprises, and the IDs are used for unified processing in related services. Regardless of how the underlying implementation or business changes, LedoChain creates a uniform ID for entities (such as employees, skill owners, traffic parties, etc.) in the entire application domain, and different business entities are associated with different domains. For example, Avatar attributes or skill attributes, etc., these unified ID identifiers and attributes associated with the unified ID identifier will become important assets in the chain.

3. LedoChain User Value Contribution Evaluation System

3.1. UCV evaluation

Enterprises can access the UCV system through a set of open protocols, quantify the user contribution in the APP, measure the effective workload of the user with the UCV value, and the UCV system can be seamlessly compatible with the traditional integral system, realizing the scientific and effective contribution of user value. Evaluation.

The distributed ledger design brought by blockchain technology solves the trust and contract problems between users and enterprises, guarantees user rights with a safer, transparent, efficient and unchangeable UCT value and trusts them in LedoChain. Ecological internal circulation.



Calculation formula：

$$\mathrm{UCV(X)} = \sum_{\mathrm{i}_1 \in S} \mathrm{k}_{\mathrm{i}_1} \frac{\left(\sum_{\mathrm{i}_2 \in SS}\left\{\left(\sum_{\mathrm{i}_4 \in Ch} \kappa_{\mathrm{i}_4} \cdot \mathrm{EN}_{\mathrm{i}_4}\right)_{\mathrm{kw}_0} + \sum_{\mathrm{i}_3 \in KW}[\mathrm{p}_{\mathrm{i}_3} \cdot \mathrm{cov}(\mathrm{kw}_{\mathrm{i}_3}, \mathrm{kw}_0) \cdot \left(\sum_{\mathrm{i}_4 \in Ch} \kappa_{\mathrm{i}_4} \cdot \mathrm{EN}_{\mathrm{i}_4}\right)_{\mathrm{i}_3}]\right\}\right)_{\mathrm{i}_2,\mathrm{X}}}{\sum_{\mathrm{j} \in Ca}\left(\sum_{\mathrm{i}_2 \in SS}\left\{\left(\sum_{\mathrm{i}_4 \in Ch} \kappa_{\mathrm{i}_4} \cdot \mathrm{EN}_{\mathrm{i}_4}\right)_{\mathrm{kw}_0} + \sum_{\mathrm{i}_3 \in KW}[\mathrm{p}_{\mathrm{i}} \cdot \mathrm{cov}(\mathrm{kw}_{\mathrm{i}_3}, \mathrm{kw}_0) \cdot \left(\sum_{\mathrm{i}_4 \in Ch} \kappa_{\mathrm{i}_4} \cdot \mathrm{EN}_{\mathrm{i}_4}\right)_{\mathrm{i}_3}]\right\}\right)_{\mathrm{i}_2,\mathrm{j}}}$$

S: data source set.(social network, weibo,app,mobile h5, search engine…)

k: weight of a source.

SS: sub source set. (wechat, momo etc. for social network, Sina weibo, Tencent weibo etc. for weibo, Baidu, 360 search etc.)

Ca: the set which contains all people who is in the same enterpriser. (For example, Yun Ma, Qiangdong Liu, Shi Wang etc. are all enterpriser.)

kw_0*: the main keyword contribution, which is the most related to the object.*

KW: the keywords contributions set, includes all the keyword contribution expect $keyword_0$.

p: the percentage shows how many result of one keyword contributions can be related to the main keyword contributions.

Ch: the characters set. (for example, for weibo, it contains view, report, comment, like etc.)

κ*: weight of one character.*

EN: effective number of a character, it excludes the pieces of weibo that has

been already taken into account when calculating another EN.

3.2. Delivery of UCT

LedoChain helps companies quickly and easily distribute their own tokens, which are collectively referred to as UTC (User Contributions Token). The emergence of UCT allows companies to more flexibly develop their own operations and redemption rules, providing users with a more valuable exchange of benefits. At the same time, LRT as the cornerstone Token realizes the synergy and value exchange between different enterprises, promotes the effective circulation of value and maximizes the user's rights and interests. In addition, UCT helps companies prepare for access to the public chain from the first day: based on the new growth and operation concept of the blockchain era, promoting technology landing, value display, community operation, and ecological cycle.

$$\mathrm{UCT} = \sum_{i=1}^{N} \left\langle \alpha * UCV \middle| \beta * f(x) = \begin{cases} 0, & x \le 0 \\ \gamma * x, & 0 < x < N \\ \delta * x, & N < x < M \end{cases} \middle| \varepsilon \frac{\Delta UCT}{\sum \Delta UCV} \right\rangle$$

$\Delta\mathrm{UCT}$: How many User Contributions Tokens a enterprise will distribute to the user in a period time.

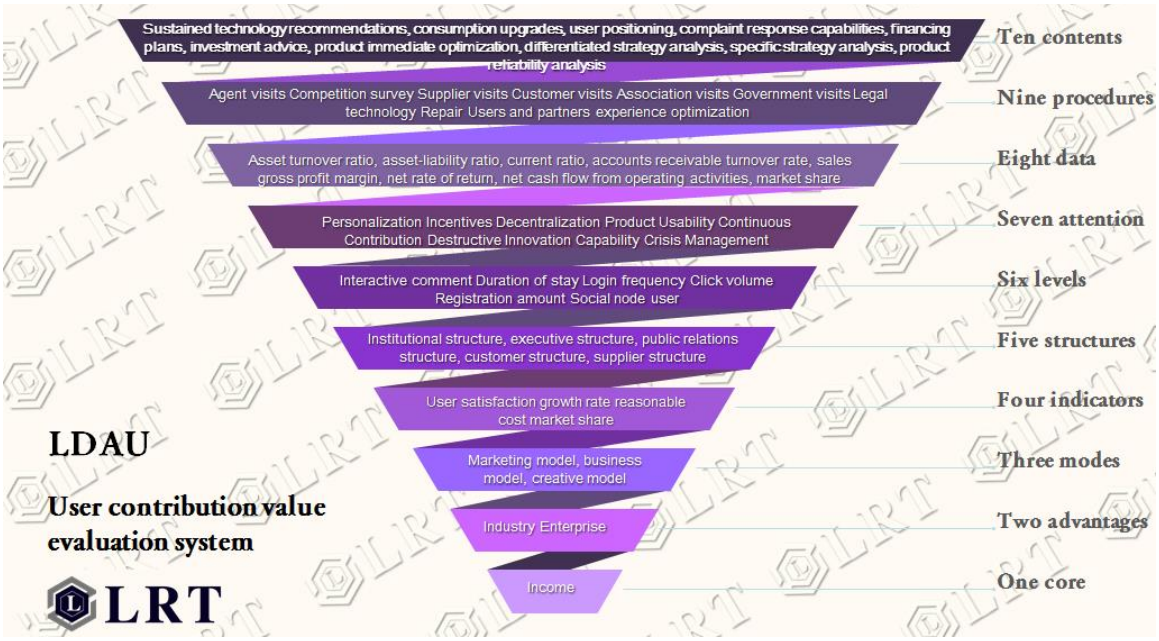
$\Delta\mathrm{UCV}$: User Contributions Value the user got in a period time.

$\alpha\ \beta\ \gamma\ \delta\ \varepsilon$: weight of a enterprise requite

3.3. UCT evaluation system

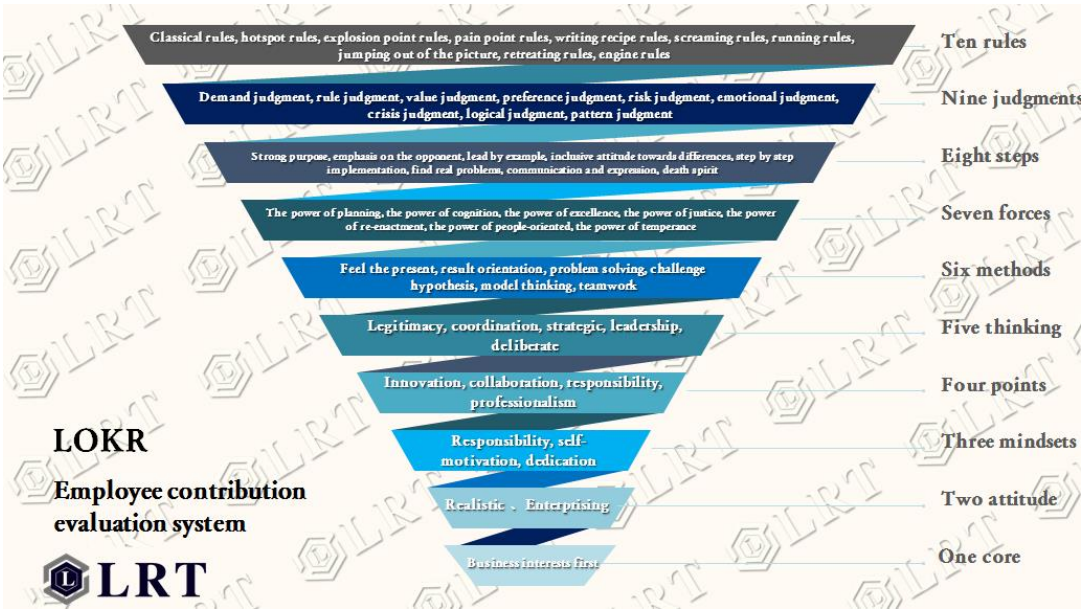
3.3.1 . DAU-based user activity UCT evaluation system

We provide the LDAU system, which summarizes the default of 550 user behaviors from three dimensions, ten levels, and fifty-five logics. UCV should be evaluated and UCT rewarded if the partner has its own processing logic. And contract, we provide system configuration capabilities. If the partner does not have their own development team and development capabilities, we provide 550 user behaviors by default. Partners only need to check the corresponding project and simple configuration to have the LDAU system evaluation of this user behavior. Ability and reward system. Thereby improving user activity and stability.



3.3.2．OKR-based user activity ECT evaluation system

We provide the LOKR system, which summarizes the default of 550 employee behaviors from three dimensions, ten levels, and fifty-five logics and should be evaluated for ECV and awarded ECT. If the partner has its own processing logic and contracts, we provide system configuration capabilities. If the partner does not have their own development team and development capabilities, we provide 550 employee behaviors by default. Partners only need to check the corresponding project and simple configuration to have the LOKR system evaluation of this employee behavior. Ability and reward system. Thereby enhancing employee engagement and work enthusiasm, and enhancing employee loyalty.



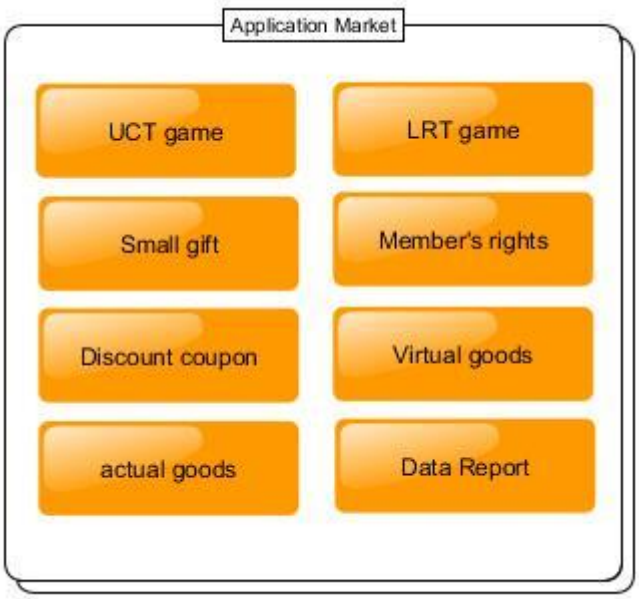
3.4. UCT application market

Each member of the LedoChain Alliance shares an application market. Each member can set up an incentive pool according to the laws and regulations of the country in which it operates. The incentive pool for the application market is

shared by members, LedoChain, advertisers, and related third parties.

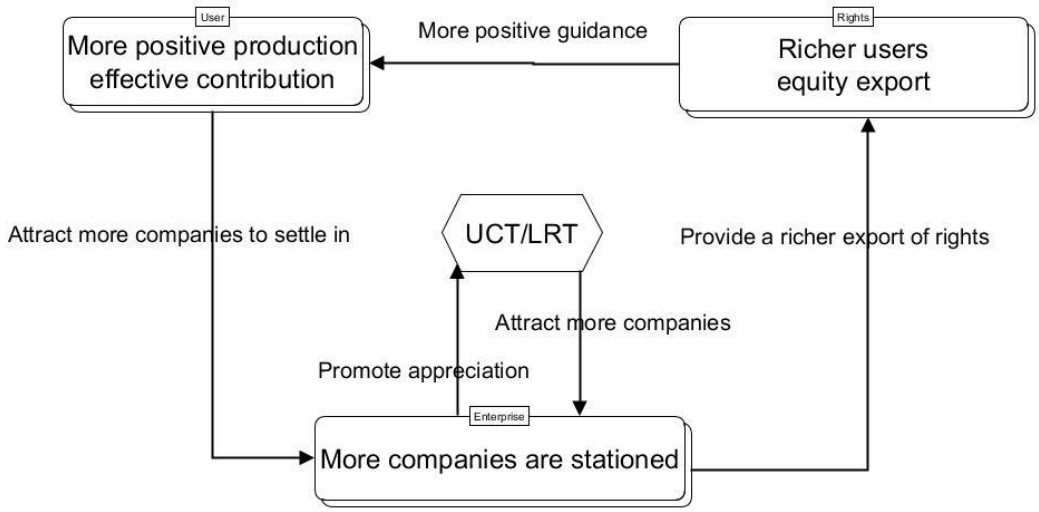
UCT Alliance Application Market Objectives:

1. Create benefits and benefits in the era of hard-pass cards and direct exchange of UCT/LRT owned by users;
2. The user rights in the alliance are symbiotic, the equity conversion is smooth, and the value scene is seamlessly switched;
3. Decentralized autonomous operations to eliminate the complexity of peer-to-peer cooperation;
4. Resolve the user activity of the enterprise, and improve the stability of the user by directly returning the equity to the user.



3.5. User incentives OKR Golden Triangle

From the first day, LedoChain has helped companies to engage in incentive triangle closures – finding value-inspired anchors from the business domain to achieve healthy growth, rather than relying solely on exchange performance.



4. Stability analysis of LRT

Dutch economists Von Oordt and Bolt introduced a model for assuming virtual currency exchange rates in 2016. The model assumes that the value of virtual currency consists of three main factors: the utility of virtual currency payments, the decision of forward-looking speculators on virtual money supply, and the factors that drive user adoption and merchant acceptance of virtual currency.

This argument stems from Fisher's observations in 1911, and speculators may effectively limit the money supply in order to expect higher future utility. Since this dynamic is particularly applicable to currencies with limited issuances such as Bitcoin or LRT, it may be an important factor in the pricing and stability analysis of token sales for virtual currency.

For a simple economy with a fixed number of currency tokens, LRT, you can write down the volume relationship:

$$P_t^{LRT} T_t^{LRT} = M^{LRT} V_t^{LRT}$$

V_t^{LRT} Is the flow rate of the LRT, the average number of times the unit LRT is used to purchase the service for a defined period of time t. T_t^{LRT} Is the number of services purchased during t , P_t^{LRT} Is the weighted price of the service. Insert in dollar exchange rate

$$\frac{P_t^{LRT}}{P_t^{\$}} T_t^{LRT} = M^{LRT} V_t^{LRT}$$

Since we can assume that the traditional fiat currency is the accounting unit of all parties involved, we define the exchange rate as $S_t^{\frac{\$}{LRT}}$, and replace it with the above equation

$$S_t^{\frac{\$}{LRT}} = \frac{T_t^{LRT}}{M^{LRT} V_t^{LRT}}$$

If we consider the amount of money that is not used in the service transfer, we can assume that it is actually used for settlement $\widehat{V_t^{LRT}}$ defined Z_t^{LRT} as the number of unused LRT units in a transaction.

Due to the overall speed in our economy V_t^{LRT} due to the overall speed in our economy...

$$V_t^{LRT} = \frac{M_t^{LRT} - Z_t^{LRT}}{M^{LRT}} \widehat{V_t^{LRT}}$$

Integrate these into the exchange rate

$$S_t^{\frac{\$}{LRT}} = \frac{\widehat{T_t^{LRT}}}{(M^{LRT} - Z_t^{LRT}) \widehat{V_t^{LRT}}} \quad (1)$$

Therefore, the exchange rate of the LRT token is directly proportional to the amount of service purchased and is inversely proportional to the currency not used in the transaction during the time period t. This equation contains a lack of currency in circulation that causes the exchange rate to rise.

We are now turning our attention to the number of LRTs that are not used for exchange. Some of Z_t^{LRT} tokens may be the result of users forgetting a small amount of tokens they hold. Some may be due to delays in the settlement of traditional currencies. In general, non-trading token holders have a standard approach to assessing the future utility of tokens in modern risk management theory.

Since the token is boring, there is a discount clause associated with the location in which the z_t^{LRT} size is held.

$$-\mathrm{R}S^{\frac{\$}{LRT}} z_t^{LRT}$$

Where R is the interest rate discount in the traditional currency.

If we consider the future expected value of LRT holdings to be the sum of future expected value in the LRT

$$\left\| S^{\frac{\$}{LRT}} t + 1 \right\| z_t^{LRT}$$

Using this discounted interest rate term (where R is the discounted operator) and the volatility of the future position of the LRT calculated by the risk aversion project γ, we have reached an effective frontier from modern portfolio theory.

$$\left\| S_{t+1}^{\overline{\$LRT}} \right\| z_t^{LRT} - R\left(S_t^{\overline{\$LRT}} \right) z_t^{LRT} + r\sigma^2 \left(\left\| S_{t+1}^{\overline{\$LRT}} \right\| \right) z_t^{LRT} = 0$$

Using this standard result, we can resolve the optimal number of tokens held by individuals for a given period of time.

$$z_t^{LRT} = \frac{\left\| S_{t+1}^{\overline{\$LRT}} \right\| z_t^{LRT} - R\left(S_t^{\overline{\$LRT}} \right)}{r\sigma^2 \left(\left\| S_{t+1}^{\overline{\$LRT}} \right\| \right)}$$

If we consider all the people holding the LRT within a given time interval t, we will cost-effectively obtain the number of LRTs for later use.

$$Z_t^{LRT} = N_t z_t^{LRT} = \frac{\left\| S_{t+1}^{\overline{\$LRT}} \right\| z_t^{LRT} - R\left(S_t^{\overline{\$LRT}} \right)}{\frac{r}{N_t}\sigma^2 \left(\left\| S_{t+1}^{\overline{\$LRT}} \right\| \right)}$$

Since this value cannot be negative, we assume that the person holding the LRT has such a position.

$$\left\| S_{t+1}^{\overline{\$LRT}} \right\| z_t^{LRT} \geq R\left(S_t^{\overline{\$LRT}} \right)$$

Therefore, using our relationship above, we get the relationship between the expected future value of LRT, interest rate and LRT economic transfer rate. :

$$R^{-1}\left(\left\| S_{t+1}^{\overline{\$LRT}} \right\| \right) \geq \frac{T_t^{LRT}}{M^{\,LRT} V_t^{LRT}}$$

Therefore, if the expected value of the discount exceeds the assumed value of the current exchange rate, people will hold the LRT. Therefore, the exchange rate is a function of the expected value of LRT in the future.

$$S_t^{\overline{\$LRT}} = R^{-1}\left(\left\| S_{t+1}^{\overline{\$LRT}} \right\| - \frac{r}{N_t} Z_t^{LRT} \sigma^2 \left(\left\| S_{t+1}^{\overline{\$LRT}} \right\| \right) \right) \qquad (2)$$

Therefore, the LRT holdings are the risk premiums for the expected future

exchange rate discount minus the uncertainty of the future value of LRT. If the model is established, (1) and (2) can be used to define the supply and demand of the LRT. Since M^{LRT} is not time-dependent in the case of LRT, it is easy to understand the opinions of the future utility of LRT transactions and LRT transactions. As LRT transactions increase, exchange rates become dominated by transactions, not future utility expectations. This dynamic is observed in mature virtual currency and various other internal token systems. This model believes that the long-term price of LRT will continue to grow steadily in the token intermediary economy.

5. Ledo Foundation Ltd.

Ledo Foundation Ltd. is a non-profit legal entity established in Singapore in 2018. It is committed to promoting the development and promotion of transparent governance for LedoChain and promoting the safe and harmonious development of the open source ecological community. LedoChain has reserved a dedicated fund for developer incentives at the Foundation since the first day to motivate the world's best developers to contribute to the technological improvements needed throughout the business closure and to enable the development and operation of the entire LedoChain Gradually achieve complete decentralization and go to LedoChain.

6. Some cooperation customers

LedoChain has a very solid business foundation around the world, with over 38 million independent users per day.

6.1. Strategic Partner: WeChat Reading

WeChat reading is an official reading application based on the WeChat relationship chain, and supports both iPhone and iPad terminal platforms. While providing the ultimate reading experience, recommend suitable books for users, and check the reading dynamics of WeChat friends, discuss books that are being read with friends, and so on.

[Meticulously polished reading experience] Support EPUB and TXT formats, you can also personalize your exclusive reading style. Carefully polished, just to give you the ultimate experience.

[Follow good friends with good friends] Help you find the next good book for you. Book Haishu, may wish to let WeChat friends help you complete the

screening, quickly find good quality books.

[Discussing Collisions with Friends] In the process of reading with friends, you can exchange your reading feelings with your friends and collide with more sparks. This time, reading is no longer alone.

[Comprehensive reading time with friends] Serious reading game, let you easily understand your reading time, not only gain knowledge in reading, but also gain a sense of accomplishment with friends.

6.2. Strategic Partner: Qingting.FM

Qingting.FM is the leading audio aggregation platform in China's mobile Internet field. It has 300 million users and 12 million daily active users. It includes more than 3,000 radio broadcasts nationwide, 1,000 college radio resources, and more than 12 million hours of audio programs. Covering music, technology, news, finance, business, novels and other types, the total listening time is more than 26 million hours per day.

7. Exclusive Strategic Partner: Trinity Western University (Canada)

Professor Chen has worked in blockchain and distributed research and education for many years at Trinity Western University and is our exclusive strategic partner.

7.1. Introduction to Trinity Western University

The Trinity Western University is a comprehensive university located in Vancouver, British Columbia, Canada. The university was founded in 1962 and currently enrolls approximately 4,000 students. The campus covers an area of 157 acres (0.64 square kilometers). The school is known for its high quality of teaching and rigorous school spirit. Strict school rules, students are not allowed to smoke, not allowed to drink, is one of the safest schools in Canada。

7.2. The honor of Trinity Western University

Trinity Western University is also an important member of the Association of Universities and Colleges of Canada and the Academy of Science of the Royal Society of Canada, and is also subject to the United States Department of Education.

8. Milestones

2018.Q3

• Complete User Contributions & Requite based Growth Methodology;

• Requite Value Network (RVN) system design and verification;

2018.Q4

LRT Token Online;

RVN system β1 release, supporting CTP, CRP, UCT, contracts and algorithms;

The UCV system 1.0 release is released to support the evaluation and tokenization of user value contributions;

The UCT system 1.0 release is released, allowing partners to issue their own User Contributions Tokens and distribute them in conjunction with UCV;

The application market is released in the alpha version, and the user incentive activity is launched;

Open platform product design;

At least 200 cooperatives are launched, and no less than 15 eco-partners access and carry out transformation and testing;

2019.Q1

RVN system α2 release;

The value contribution wallet beta1 release, allowing users to view the UCVs obtained in each home and the corresponding UCT and LRT rewards;

The UCT application market is released in 1.1, enriching the types of activities and supporting joint activities between enterprises;

The open platform β1 is released, and the limited enterprise invitation system is stationed;

2019.Q2

• Value Contribution Wallet The beta2 release is released to support users' UFT and LRT-based virtual item redemption;

• Open platform β2 release, support interfacing with other content public chains or traditional content providers, and support the exchange of UCT and UCT;

2019.Q3

• Internationalization of services;

• Internationalization of product features;

• Enrich LRT's commercial applications and distribution scenarios (including offline);

• Open platform application layer consensus algorithm is online;

• Open platform micro-task system is online;

• Underlying technology upgrades;

2019.Q4

• Underlying technology upgrades to build the Native Ledo Chain Network;

• Native Token Support, which supports UCT to send coins in one click and exchange coins in the ecology;

• Smart Contract Support, which supports the development and deployment of smart-based enterprises based on smart contracts;

• All aspects of the ecology go to LedoChain to promote the healthy development of the community without LedoChain participation;

9. LedoChain Support Team Introduction

• The project has a total of 69 participants, most of whom are regular employees, who work on project expansion; they are responsible for communicating with partners. The main strategic tasks of the project are the responsibility of seven participants. All of the employees involved in managing and responsible for the main components of the project are young managers who have multiple abilities and experience in many fields. The project's chief consultant is MS Cicy Lu, founder and CEO of the MR Joy Yang project.

9.1. Supporting expert teams

9.1.1 Joy Yang

• Founder and Chairman of the Talking Show Reading Club

• 20 years of media and internet experience, nearly 10 years of experience in entrepreneurial community operations.

• Former CEO of Hong Kong listed company V1.cn (HK00082). Vice Chairman of the China Internet Association, Executive Director of the National Association of Industry and Commerce Private Cultural Industry Association, and Executive Director of the China Entrepreneur Association.

• Received the title of “National Top Ten Growth CEOs”.

9.1.2 Cicy Lu

• CEO of the Talking Show Reading Club

• More than 10 years of experience in media and community operations. Former Deputy Editor-in-Chief of Hong Kong-listed Company V1.cn (HK00082); Member of the Standing Committee of

the National Federation of Industry and Commerce Cultural Industry Chamber of Commerce; Executive Secretary of the SASAC China Top 500 Entrepreneur Work Steering Committee.

9.1.3 Yifan He

• Editor-in-Chief of Blockchain Value List

• President of the Talking Show Reading Club

• Nearly 20 years of experience in the media industry has been hailed as “China's business thinker” by entrepreneurs.

• Former Executive Editor of China Entrepreneur Magazine, Deputy Editor-in-Chief of Bloomberg Businessweek Chinese Edition, member of the Hebei Provincial Association, interviewing over 80 outstanding global business leaders each year.

9.1.4 Meng Wong

• The CTO of the Talking Show Reading Club

• Since 2005, as the R&D manager of CCTV's public information center, it has conducted in-depth research and application of distributed computing and distributed storage, and has created a matrix-type segmentation processing requirement.

• The blockchain technology has been tracked and researched all the time, and constructive solutions have been proposed for the blockchain to face the storage and computing power problems caused by the surge in transaction volume.

• Previous positions:

• CTO of the V1.cn (00082.HK) of Hong Kong listed companies;

• Hong Kong listed company is the CTO of Digital China (00861.HK);

• Hong Kong-listed company Meiya Entertainment (00391.HK) online CTO.

9.1.5 Ryo Lv

• Golang Distributed Senior Engineer, Gold Instructor

• Proficient in IOS, Python, Golang distributed architecture

• JLRT project contributors

• Ledo Chain Network Model Designer

• China blockchain DAPP development 100 colleges and universities public welfare promotion ambassador

9.1.6、Yun Bai

• Java Development Senior Engineer

• Consensus algorithm research experts with in-depth research and understanding of PBFT, POW, POS, DPOS, Raft, Paxos

• NodeJs development experts

• Extensive development experience in Ethereum and Hyperledger Fabric.

9.1.7 Jasen Liu

• Five years of application development experience

• Multi-threaded development experts

• Proficient in JAVA/nodejs, good programming habits

• Familiar with hyperledgerfabric, the operating principle of Ethereum

• Familiar with linux, familiar with docker, kafka, zookeeper

• Familiar with Parity Alliance Chain, EOS Development

9.2. Advisory team

9.2.1 Han Feng, PhD student at Tsinghua University

• The Lifetime Member of the Bitcoin Foundation, Secretary General of the Asian Blockchain DACA Association, was the head of Tsinghua University's 15th Plan's key project “Evaluation and Selection of Innovative Talents in Opportunity Network”, and the Chinese partner of the Oracle Education Foundation.

• The Distributed Autonomous Coaliation Asia (DACA) is a joint effort of OKCOIN, BTCC, Firecoin, BTCTRADE, Yuanbao, Bitcoin, and 200 industry veterans and foreign friends such as Vitalik Buterin. China's community service and promotion blockchain distributed autonomy concept and technology joint organization.

9.2.2 Wu Yuanwen, Chairman of Hongchang Block Chain Ecology Co., Ltd.

• Executive Director of Jingtong Technology, Vice President of Blockchain Finance Association. Published the best-selling book "Blockchain and Big Data", etc. Main research directions:

• What can the blockchain change?

• How the blockchain redefines the production relationship

• Blockchain quickly detonates the world and how much energy can be in the future

9.2.3 Zhao Dawei, sponsor of the blockchain project TokenX community

• Blockchain-passenger economics researcher, consultant for several

blockchain economies, former senior partner of Harmony Consulting, and author of the best-selling book “Internet Thinking Duo Jiujian”. Main research directions:

• Two essentials of the economy

• Four characteristics of blockchain organization

• Three directions cut by traditional companies

9.2.4、Wen Hung, Professor of Hong Kong University of Science and Technology

• Distributed storage and block transfer technology have been studied for many years. The block-type transmission has been deeply studied in live video and blockchain applications, and there is a practice of “blocking transmission in live video or blockchain”. A book, the main research direction:

• Distributed Storage and IPFS

• Internet-based block transfer

• Research on the improvement of light backbone transmission capacity

10. Technical description and specifications

LRT Smart Contracts include:

SafeMath libraries that prevent overflow in numeric operations.

Standard ERC20 functions and events:

● Return total token supply

function totalSupply() constant returns (uint256 supply) {}

●Return the token balance held by the specified address

function balanceOf(address _owner) constant returns (uint256 balance) {}

● Send tokens to the specified address (from the sender's balance)

function transfer(address _to, uint256 _value) returns (bool success) {}

Send tokens from a given address to another given address (if the address of the token is deducted, the owner agrees to the operation)

function transferFrom(address _from, address _to, uint256 _value) returns (bool success) {}

Allow a certain amount of tokens to be deducted from the sender's account and sent to the specified address

function approve(address _spender, uint256 _value) returns (bool success) {}

- Return the total amount of tokens that other addresses can deduct from the specified address

function allowance(address _owner, address _spender) constant returns (uint256 remaining) {}

In the three stages of presales and ICO, only smart contract owners can use these functions.

Public variables and constants:

- name – the name of the token;
- symbol – token symbol;
- decimals – the number of digits after the decimal point of the cryptocurrency;
- totalSupply – the total supply of cryptocurrency;
- PRESALE_PRICE – relative to the price of 1 Ethereum;
- current_state – the current state of the contract;
- OWNER_MIN_LIMIT – the minimum amount of cryptocurrency;
- TOKEN_PRESALE_LIMIT – the sales cap for the cryptocurrency during the pre-sale phase;
- TOKEN_ICO1_LIMIT – the sales cap for the cryptocurrency in the first phase of the ICO;
- TOKEN_ICO2_LIMIT – the sales cap for the cryptocurrency in the second phase of the ICO;
- TOKEN_ICO3_LIMIT – the sales cap for the cryptocurrency in the third phase of the ICO;

Pre-sale and ICO stage functions, etc.:

- function transferOwnership(address newOwner) onlyOwner {}

Allow the contract owner to transfer ownership to others.

- function buy() public payable {}

A function to purchase tokens from the contract owner at a fixed price; only in the pre-sale period and in the three phases of the ICO.

- function buyTokens(address _buyer) public payable {}

A function that purchases tokens and sends them to the specified address.

- function price() constant returns(uint)

Get the current status of the contract.

- function setTokenState(State nextState) public onlyOwner

Change the contract status. Possible states: Created, Presale, ICO1, ICO2, ICO3, Free trading, and Pause. The status can only be changed in one direction (from ‘Created’ to ‘Free trading’). However, the contract owner can change the contract to the ‘Pauze’ state to suspend sales during the pre-sale phase. This function can be used for protection in case of unforeseen circumstances. Pause state switching is only supported during the pre-sale phase.

- function remaining_for_sale() public constant returns (uint remaining_coins)

Returns the remaining number of digital currencies that can be sold at the current stage, based on the set upper limit.