LIZSWAP 交易所（一个关于 ETH2.0 的战略布局）
The Foundation of Blockchain Developers of Canada
简称：BDC 基金会（加拿大区块链开发者基金会）

Mission and values

Continuously organize the world's best blockchain developers, network security engineers, product managers, financial experts, cryptography experts, front-end engineers, and back-end engineers.

Constantly rely on the development of better blockchain products and applications to endow the society with powerful tools, so that human beings can use the power of these tools to protect the security of their own property and realize the free flow of funds that can not be intercepted around the world. Continue to develop DAPP, contract, node server, Pinnacle network, distributed network instead of HTTP protocol to build a more secure world.

Lizswap is a decentralized exchange launched by fbdec foundation in phase 0 based on eth2 network. I believe it will bring surprise to the world and create a different future.

Ethereum 2.0 &Lizswap（以太坊和栗子交易所）

Eth2 is a long-planned upgrade to the Ethereum network, giving it the scalability and security it needs to serve all of humanity. The first stage of Eth2, called Phase 0, is planned to launch in 2020.

Eth2 will reduce energy consumption, allow the network to process more transactions, and improve security. Technically, Ethereum will become a proof-of-stake blockchain and introduce shard chains. This is a huge change to the way Ethereum works, and should bring the same huge benefits.

But it's only a change to Ethereum's infrastructure. If you're already an ETH holder, dapp user or dapp developer, you don't need to do anything because Eth2 will be compatible with the main Ethereum network(Ethereum mainnet/main network　ETH 主网？）you use today. You'll be able to use the ETH you own today in Eth2 too.

Phase 0（阶段 0）

Phase 0, the Beacon Chain, is the core of the new consensus mechanism. This is where all the system-level activities and orchestration(不了解这个地方用词准确性，可以再看看编排这个词的翻译) happen. Phase 0 is to reach consensus with hundreds of thousands of consensus entities (validators), which (非限制性定从不能省略关系词？)distributed across thousands of nodes around the world.

Due to the technical requirements of distributing subsets of validators across shards in phase 1+, we need to be able to handle a huge amount of validators. Much of the engineering complexity stems from this requirement. Other non-sharded proof-of-stake mechanisms have 100s or maybe 1000s of validators, but eth2 is designed to have a bare minimum of ~16k validators with the expectation that this figure will be tens of thousands in coming years

第 0 阶段 ETH

信标链是第 0 阶段，是新共识机制的核心。这是所有系统级活动和编排发生的地方。阶段 0 就是要与遍布全球数千个节点的数十万个共识实体（验证器）达成共识。由于在阶段 1+中将验证程序的子集分布在各个分片上的技术要求，我们需要能够处理大量的验证程序。许多工程复杂性源于此要求。其他非分片的权益证明机制具有 100 或 1000 个验证器，但是 eth2 设计为至少具有约 1.6 万个验证器，并期望此数字在未来几年内成千上万。

第 0 阶段 Lizswap

We will redesign and create a decentralized exchange for ETH2&Lizswap based on ETH protocol rules, and launch 100 or 1000 exchange nodes as verifier for ETH2&Lizswap. The combination of the bandwidth of Ethereum and the growth of lizSwap allows the bandwidth of the whole ETH to expand and speed up.

我们将会基于 ETH 的协议规则，重新设计和打造 Lizswap 去中心化交易所，并且推出 100 个或 1000 个交易所节点作为 ETH2&Lizswap 的验证器。让以太坊带宽和 lizSwap 交易所的发展结合起来，共同让整个 ETH 的带宽扩大，网速加快。

ETHPhase 1（阶段 1）

Phase 0 is about coming to consensus, whereas Phase 1 is about coming to consensus on a lot of stuff. This "stuff" comes in the form of many shard chains. You can think of a shard chain as its own blockchain with approximately the same complexity as Ethereum today, but living under the eth2 consensus (i.e. living under and built/controlled by the Beacon Chain). The validators from the Beacon Chain are given random short-term assignments to build and validate shard chains, making crypto-economic commitments to the state, availability, and validity of each chain back into the core system.Today, we expect there to be 64 shards to start, and for the total data available to the system to be in the 1 to 4 MB/s range (YES, that's a ton of data).

阶段 0 即将达成共识，而阶段 1 即将达成很多共识。这种"东西"以许多分片链的形式出现。您可以将分片链视为其自己的区块链，其复杂性与今天的以太坊大致相同，但生活在 eth2 共识之下（即生活在信标链之下，由信标链构建和控制）。向信标链的验证者提供短期短期任务，以构建和验证分片链，从而对每个链的状态，可用性和有效性做出加密经济承诺，并返回到核心系统。今天，我们预计将有 64 个分片启动，并且系统可用的总数据在 1-4 MB／s 的范围内（是的，这是大量数据）。

In the first stage, When Lizcoin is held by Lizswap, 0.3% handling fee can be obtained through Lizswap exchange. In addition, Lizcoin is used to dig out stable coin of 26 countries in the world, and a distributed and incorruptible stability currency network is

built based on the design of a group of world financial experts. The ETH shard is already in operation, and in the future it is certain to support a million transactions per second of stable coins on the chain. To reprove to the world that private property is inviolable.

第 1 阶段 Lizswap 持有 Liz 币即可通过 Lizswap 交易所获取 0.3%手续费，并且我们通过 Liz 币挖出全世界 26 个国家的稳定币，并且依靠一群世界金融专家的设计构筑一个基于分布式的，不可侵犯的稳定币网络。ETH 的分片已经开始启动，未来一定可以支持 100 万笔/s 的链上稳定币交易。向世界从新证明：私有财产神圣不可侵犯。

Phase 1.5（阶段 1.5）

Phase 1.5 is the integration of Ethereum mainnet into the new eth2 consensus mechanism as a shard (existing as one of the many shards created in Phase 1). Instead of the Ethereum we know and love being built by a proof-of-work mining algorithm, it will be built by the eth2 validators. For existing applications and users, this hot swap of the consensus mechanism will largely be transparent. Applications will continue chugging along, but developers will now have a much more powerful system to build on (better security properties, proper economic finality, more layer 1 data for rollups and other fun applications).

Phase 1.5 is the integration of the Ethereum host network as a shard (existing as one of many shards created in Phase 1) into the new Eth2 consensus mechanism. Instead of an Ethereum built by the workload proof mining algorithm, it is built by the Eth2 verifier. For existing applications and users, this hot exchange of consensus mechanisms will be largely transparent. Applications will continue to evolve, but developers will now have a

more powerful system (better security, proper economic finalization, more Tier 1 data for aggregation, and other interesting applications).

Phase 1.5 is the integration of Ethereum mainnet into a new eth2 consensus mechanism as a shard (existing as one of the many shards created in Phase 1). Instead of the Ethereum composed of a proof-of-work mining algorithm, it is built on the eth2 validators. For existing applications and users, this hot swap of the consensus mechanism will largely be transparent. Applications will continue chugging along, but developers will now have a much more powerful system (with better security properties, proper economic finality, more layer 1 data for rollups and other fun applications).

1.5 阶段是将以太坊主网作为一个碎片（作为第 1 阶段中创建的许多碎片之一存在）集成到新的 eth2 共识机制中。它不是由工作量证明挖掘算法构建的以太坊，而是由 eth2 验证器构建的。对于现有的应用程序和用户，共识机制的这种热交换在很大程度上将是透明的。应用程序将继续发展，但开发人员现在将拥有一个功能更强大的系统（更好的安全性，适当的经济终结性，更多的用于汇总的第 1 层数据和其他有趣的应用程序）。

1.5 阶段 lizswap（后面看这部分也没翻译）

It need to be known that all eth2 is dug up based on eth1 through pos algorithm, and each mining right requires 32 Eth (very expensive), so in Phase 1.5, apart from introducing mine pool algorithm, Lizswap will also launch DAPP in imtoken and metamask.

1.5 阶段 lizswap

要知道所有 eth2 都是通过 eth1 通过 pos 算法挖出的，而每一份的挖矿权需要 32 名枚 Eth（非常昂贵），所以在 1.5 阶段，Lizswap 将会推出矿池算法，以及在 imtoken，metamask，上线 DAPP。支持有 0.01eth 的人轻松参与 eth2 挖矿，并且和社区共享 ETH2 的挖矿所得，使用 lizswap 将会直接得到 eth2 空投我们将会通过 Lizswap 的交易情况计算 POS，空投给所有 Lizswap 的参与者（是的，免费获得 ETH2！）

Phase 2（阶段 2）

Phase 2 is the addition of state and execution on more shards than just the original Ethereum shard. There are many forms to take. Figuring out which form, and the details behind it, is a hot bed of research and prototyping today. I'll discuss that a bit more in sections below.

阶段 2

第 2 阶段是在不仅仅是原始的以太坊碎片上添加状态和执行更多碎片上的操作。这可以采用多种形式。弄清楚哪种形式及其背后的细节，是当今研究和原型开发的热床。我将在下面的部分中讨论更多。

Lizswap 阶段 2

On the basis of Lizswap developer platform, we will encourage developers to create their own applications within Lizswap. The best developers in the world will be involved to participate in Lizswap's development and receive Liz currency for their contributions. The engineers had such an aspiration: to let the public vote for better systems, through Eth and Liz, rather than better presidents. People behabve based on trust in the system and derive profits and inviolable private property from it.

Lizswap 开发者平台，我们将会鼓励开发者在 Lizswap 内开发各自应用程序。让全世界最优秀的开发者加入到 Lizswap 的开发当中，并且依据开发贡献获得 Liz 币奖励。工程师都有一个理想：让公众用 Eth 和 Liz 投票选择更好的系统，而不是更好的总统。人们基于对系统的信任来做事，并且从中获取收益和不可侵犯的私有财产。

启动阶段 Lizswap

第-1 阶段：lizswap 将会开始白名单抢购和 Lizcoin 无损挖矿!

Lizswap 白名单合约（所有权益写在合约上不可篡改，无法关闭）

1.Lizswap 白名单 1—5 星 （挖矿算力提升 1000 kb—5000kb）

2.Lizswap 白名单 1~5 ，所有质押挖矿的 ETH 算力增幅 10~50%

3.白名单可邀请朋友获得 ETH 团队奖励，team1，team2 ，team3%（3%，6%，9%）发展第一级团队获得 3%奖励，第二级获得 6%奖励，第三级获得 9%奖励

4.白名单资金 3%为开发团队运维经费

Lizcoin 无损挖矿合约（所有权益写在合约上，不可篡改）

1.质押 1Eth=100kb 算力，可获取 Liz 平台币

2.Liz 平台币可随时在 Lizswap 内获取 Eth（liz/eth 1/0.1）

3.存入的 eth 可以随时 1：1 退出，0%手续费（无损挖矿）

4.Liz 出币量 360 枚/天，每隔 12 天减半一次

5.减半 9 次后，每天出币量仅 1 枚 Lizcoin

Start-up Phase of Lizswap

Phase I: Lizswap would kick off white list scare buying event and Lizcoin free-of-loss mining promotion.

Whitelist Contract of Lizswap (All the rights and interests written on this contract may not be tampered nor closed.)

1. Pledged 1Eth = 100kb Calculated Force (Access to coins of Liz Platform)
2. And the above coins can get Eth in Lizswap at any time (liz/eth 1/0.1).
3. All deposited eth coins can be withdrawn with 1:1 at any time without any service charge.
4. The total output amount of Liz coins is 360 coins per day. At interval of 12 days, the amount would be halved.
5. After halved for totally 9 times, daily output quantity would be only 1 Lizcoin.

1. 1 Star ~ 5 Stars in Whitelist of Lizswap (All mining calculated forces would be promoted by 1000 kb ~ 5000kb.)

2. 1 Star ~ 5 Stars in Whitelist of Lizswap (All ETH-calculated-forces of pledged mines would be enhanced by 10% ~ 50%.)

3. The above white list can invite your friends to get certain ETH team rewards. If developing team 1, you'll obtain 3% of total rewarding amount. And supposing you separately cultivating team 2 and team 3, you'll get 6% and 9% of the portion accordingly.

4. 3% of the total asset in the white list would be applied as expenditure for operating and maintaining R&D Team.

Lizcoin Lossless Mining Contract (All the rights and interests written on this contract may not be tampered.)