What is XEN Torrent（什么是 XEN Torrent）

On October 25, Jack Levin, the founder of the Fair Crypto Foundation and the creator of the XEN Crypto protocol, announced on Twitter Spaces the launch of the XEN Torrent, a parallel peer-to-peer XEN token minting system of contracts called Virtual Minting Units (VMUs). XEN Torrent uses an NFT as a key to a collection of underlying contracts that can be traded using dapps like OpenSea or any other user interface. With this tool, Jack Levin could create a market for more investment capital and future profits from mining operations.

10 月 25 日，Fair Crypto 基金会的创始人、XEN Crypto 协议的创始人 Jack Levin 在 Twitter Spaces 上宣布推出 XEN Torrent，这是一个名为"虚拟铸币单元"（Virtual Minting Unit，VMUs）的并行点对点 XEN 代币铸造系统。XEN Torrent 使用 NFT 作为基础合约集合的密钥，这些合同可以使用诸如 OpenSea 之类的 Dapps 或任何其他用户界面进行交易。有了这个工具，Jack Levin 可以为更多的投资资本和未来挖矿业务的利润创造一个市场。

About XEN（关于 XEN）

XEN Crypto launched on Ethereum on October 8th. It's a token that can be minted for free, and the only thing needed is an Ethereum-compatible wallet and some ETH to pay for the network fee. If XEN is minted on another chain than Ethereum, then it needs that chain's native coin. By providing the lowest barrier to entry to crypto, XEN is aiming at global adoption. The ethos behind XEN is to bring back the first principles of crypto, like individual sovereignty through self-custody of economic power, decentralization, and trustless consensus.

XEN Crypto 于 10 月 8 日在以太坊发布。这是一个可以免费铸造的代币，只需要一个兼容以太坊的钱包和一些 ETH 来支付网络费用。如果 XEN 是在以太坊以外的公链上铸造，那么它就需要用到该公链上的代币来铸造。XEN 的目标是通过提供最低的加密门槛，极大提高加密货币的全球采用率。XEN 背后的精神是带回加

密货币的首要原则，例如通过经济权力的自我保管、去中心化和无需信任的共识来实现个人主权。

XEN instantly became the biggest gas guzzler, making Ethereum deflationary since Merge. To this day, 5951 ETH was burned in fees of the total net worth of $8,408,903.85. It is now one of the most widely used smart contracts, not only on Ethereum but also on the other six blockchains where it has been deployed. Some of these networks have seen a historical number of new accounts created and user activity never seen before.

XEN 立即成为最大的烧 gas 大户，使得合并后的以太坊通货紧缩。迄今为止，总净值 8,408,903.85 美元中，有 5951 ETH 被烧毁。它现在是使用最广泛的智能合同之一，不仅在以太坊，而且在其他六个区块链已经部署。其中一些网络的新账号数量和用户活跃度达到了历史新高。

ETH supply made deflationary（ETH 供应导致通货紧缩）
来源: ultrasound.moneyETH

Some news outlets accused XEN users of being mostly bots spamming the networks or that XEN suffered an exploit and a Sybil attack. We denied any exploit accusations and explained why XEN is a protocol that has no fear of bots. The XEN Crypto tokenomics is based on a logarithmic function that encapsulates the solution to all of the above issues. Studying the mechanics

between different function parameters is key to understanding the lightpaper and the game theory.

一些新闻媒体指责 XEN 用户主要是向网络发送垃圾邮件的机器人，或者 XEN 遭受了利用和 Sybil 攻击。我们否认了这些指控，并解释为什么 XEN 是一个不惧怕机器人的协议。XEN Crypto 代币经济学是基于一个对数函数，它具备上述所有问题的解决方案。研究不同函数参数之间的机制是理解 XEN 白皮书和博弈论的关键。

It's been noticed that, together with the XEN Crypto smart contract, the Cointool dapp also contributed greatly to the burning of the Ethereum gas fees. When XEN launched, the dapp developers created the XEN batch minter, which is very popular now. It allows users to mint XEN with ease by creating multiple accounts and claiming XEN rank in one batch transaction. The overhead on the gas fees is very high, and the contract hasn't been audited. However, this doesn't stop the users from minting XEN successfully with a short-term mint period. This is merely an indication of the hunger people have to use these kinds of tools to engage with the XEN smart contract.

值得注意的是，与 XEN Crypto 智能合约一起，Cointool dapp 也为燃烧以太坊 Gas 费做出了巨大贡献。XEN 推出时，dapp 开发人员创建了 XEN 批量铸币机，现在可是相当流行。它允许用户通过创建多个帐户，并在一个批量处理交易中申领 XEN 等级，来进行轻松的铸造。虽然它 Gas 费的开销非常高，而且合同还没有经过审计，但这并不能阻止用户在短期内成功地铸造 XEN。这表明大家都渴望使用这些工具来参与进 XEN 的智能合约。

XEN Torrent Changes The Game（XEN Torrent 改变现状）

XEN Torrent is a game changer not only for XEN adoption but for entire networks because it transforms their security assumptions and economic models. The Torrent is an in-house built open-source tool with no admin keys, which means that it's immutable and is also going to be audited. It allows users to connect their wallet to the xen.network dapp and mint XEN in bulk with up to 100 VMUs rather than with 1 account at a time. It saves hours of time that would have been required to create and claim rank manually
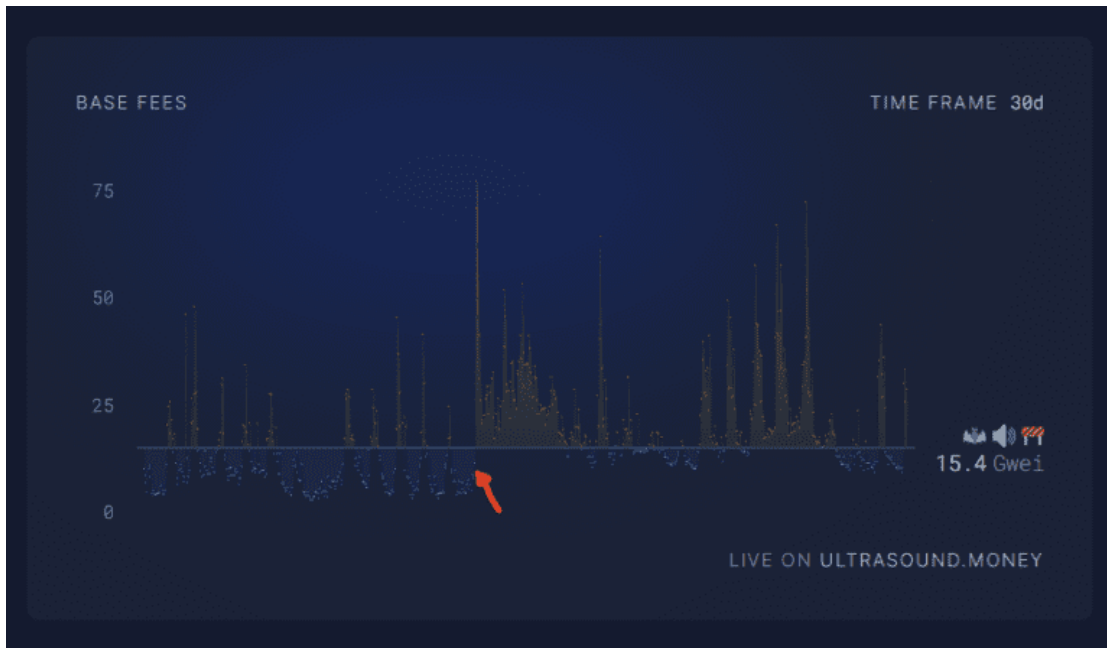
with the same number of accounts, and it makes the whole process more secure because it abstracts the wallet and relies on one private key rather than a hundred. From now on, it becomes trivial to use a hardware wallet, whereas before it was cumbersome. People are able to select a certain number of virtual minters and choose a mint term period that is equal to the whole batch.

XEN Torrent 不仅改变了 XEN 的采用，而且改变了整个网络，因为它改变了他们的安全假设和经济模型。Torrent 是一个内部构建的开源工具，没有管理员密钥，这意味着它是不可变的，也将会被审计。它允许用户将他们的钱包连接到 XEN.network dapp，并批量生成 XEN，用户最多可以一次使用 100 个 VMU 来铸币，而不是一次只使用一个帐户。它节省了用户手动去一个一个铸造所需的时间，并且使整个过程更加安全，因为它提炼了钱包，让用户只需使用一个私钥，而不是一百个。从现在开始，使用硬件钱包就变得很简便了，而在此之前是很麻烦的。大家可以选择一定数量的虚拟铸币机，并选择与整个批次相等的铸币期限。

One thing that differs from a manual minting
与手工铸造不同的是

The gas fee for minting one claim transaction on Polygon is 180,000, while the full batch of VMUs costs around 18,000,000 gas, which is close to the block limit. It's possible to reuse VMUs and mint two batches with the same VMUs, which means that the gas is saved. Claiming XEN is cheaper and can be done with 200 VMUs in a single transaction.

在 Polygon 上铸造一笔申领交易的 Gas 费为 180,000，而整批 VMU 的费用约为 18,000,000 Gas，接近区块上限。用户的 VMU 可以重复使用，可以使用相同的 VMU 铸造两批 XEN，这就节省了 gas 费。申领 XEN 就会更便宜，并且可以在一次的交易中使用 200 个 VMU 来完成。

ETH gas fees after XEN（XEN 发布之后的 ETH gas 费）

来源: ultrasound.moneyXEN

Minting in bulk levels the playing field between bots and average users. Users could always create multiple accounts to mint the tokens, but only the most savvy and resourceful could extract the most in the shortest amount of time. Everyone is at the same level now and only the economic availability and the willingness to spend ETH for the gas fees is the limit. It is expected that with the ease of use introduced by this new tool, network activity and gas fees will rise even further. Since XEN Crypto's launch, the minimum gas fee has never returned to pre-XEN levels, and it's higher even when the network's activity is at its lowest. These fee levels aren't always welcomed by average users, but the validators and Ethereum investors welcome them because the validators can earn more rewards and ETH gains in value by becoming more scarce.

批量制造可以在机器人和普通用户之间创造一个公平的竞争环境。用户是可以创建多个帐户来铸造代币的，但只有更精明的人才能在最短的时间内提取最多。而现在，每个人都处于同一水平，只有经济可用性和将 ETH 用于支付 gas 的意愿度才会是限制。我们预计，随着这一易用新工具的到来，网络活跃度和 gas 费将进一步上升。自 XEN Crypto 推出以来，最低的 gas 费从未回到 XEN 之前的水平，甚至在网络活跃度最低的时候，gas 费也相较更高。这些费用水平并不总能受到普通用户的欢迎，但验证者和以太坊投资者欢迎它们，因为验证者可以通过变得更加稀缺来获得更多的奖励和 ETH 的价值收益。

The XEN Torrent NFT（XEN Torrent NFT）

The Tottent mints cRanks for the whole batch and compounds them into one ERC-721 NFT containing metadata like count of VMUs employed, cRank range, time, address, and a quote. They are created on-chain as SVGs. VMUs are nothing else than proxy smart contracts used to mint and claim XEN. The NFT can be traded on OpenSea or any other marketplace or OTC. It becomes the access key to the whole batch. NFTs are innovative because they make claims portable what means that the user is not obliged to hold on to his claim for the whole mint term but can sell it anytime. The NFT background has a visual clue to how much value the NFT holds and how long the term is. The two dimensions of the clue are reflected in the colour gradient. The smallest number of VMUs with the shortest mint term is blue, while the largest number with the longest mint term is in the hottest reddish color. It's going to be trivial to recognize the value of the NFT from a single look at the NFT image.

Tottent 为整个批次铸造 cRank，并将它们组合成一个 ERC-721 NFT，其中包含元数据，例如所使用的 VMU 数量、cRank 范围、时间、地址和报价。它们是作为 SVG 在链上被创建的，VMU 只不过是用于铸造和申领 XEN 的代理智能合约。NFT 可以在 OpenSea、其他任何市场、或 OTC 上进行交易。它成为整个批次的访问密钥。NFT 具有创新性，因为它们使铸造更方便，这意味着用户不必保留整个铸币期的铸造，而是可以随时出售。NFT 的背景画面提供了一个视觉线索，告诉我们 NFT 持有多少价值以及期限有多长。线索的两个维度反映在色彩的渐变上。铸造期最短的 VMU 数量最少，为蓝色，铸造期最长的 VMU 数量最多，为红色。单看 NFT 图像就可以轻松识别 NFT 的价值。

XEN NFTs 来源: ImageShack

Many know that a traditional torrenting is a P2P method of sharing files over the internet operating over the BitTorrent protocol. It's free and suitable for downloading large amounts of information about the data location with slow networks.

许多人都知道，传统的 Torrent 是一种点对点的方法，通过 BitTorrent 协议在互联网上共享文件。它是免费的，适用于下载大量关于网络速度较慢的数据位置的信息。

XEN Torrent is somehow similar because it has parallel P2P execution and holds information about the location of your mint data on the blockchain. It could potentially lead to more interesting use cases like NFT burns, futures trading, loans, and perhaps also some kind of traditional torrenting. One thing is almost certain, and that is that the ease of use of bulk VMUs is going to create a higher demand for the gas fees and more deflationary pressure on Ethereum. This in turn should raise the floor for XEN NFTs and XEN as a whole.

XEN Torrent 在某种程度上是相似的，因为它具有并行的点对点执行，并且保存有关您的铸币数据在区块链上的位置的信息。它将会带来更多有趣的用例，例如 NFT 销毁、期货交易、贷款，也许还有某种传统的 Torrent 下载。几乎可以肯定的一件事是，大量 VMU 的易用性将为以太坊带来更高的 gas 费需求和更大的通缩压力。这反过来又会提高 XEN NFT 和 XEN 作为一个整体的最低要求。

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