TREX

COIN WHITEPAPER

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Connecting The Tokenized World with TREX

Playing & Trading daily. The essence of TREX Coin is to reward traders with its own price for coming back day-after-day and use TREX Coin. Therefore TREX Coin can be traded to any other token within the Ethereum ecosystem and its value is going to grow up fast, when traders will start to use it.

Intro

With your help, TREX will build a world-class decentralized crypto-exchange, powering the future of crypto finance.

As a decentralized cryptocurrency issued on the basis of Ethereum, also a standard ERC20 token based on Ethereum blockchain, TREX Coin is supported by all ERC20 compatible Ethereum wallets also.

TREX runs natively on the Ethereum blockchain and follows the ERC20 token standard. TREX Coin is an Ethereum-based ERC20 token issued by TREX Decentralized Cryptocurrency Exchange.

Read our Smart Contract here :
https://etherscan.io/token/
0x33d133f175b5cee9aac255448d52394818b76cd0

Abstract

Cryptocurrencies and the Blockchain technology have been proven to be a groundbreaking technology in our society today, yet it is still in the early stages of adoption. The number of cryptocurrencies available over the internet is above 2000 – as of August 2018. Their number keeps growing, as unlimited number of new cryptocurrencies can be created at any time. As far as market capitalization goes, Bitcoin is currently (September 2018) the largest blockchain network, followed by Ethereum. Consequently, many new cryptocurrency concepts are being marketed to bridge the gap between technical complexity and usability of Blockchain.

BackGround

The blockchain technology produced content, allows for distribution, dissemination and establishes a set of full competition, fair return economic mechanisms, encouraging individuals by enabling content to continuously expand the boundaries of the system. Under the existing centralized system of the Internet, in most of the cases, the content is produced through an advertising model. It is realized; however, the existing advertising model with its current strong push is harassing and seriously interferes with the user. Their realized efficiency is, therefore very low. Because the platform cannot own a payment system, is and faced up to 30% - 90% of the channel being drawn into a realizable model that also deals with a great deal of arbitrariness, the clear majority of the content providers can not break even. For content producers, the urgent need for the agreement that comes with the payment system, access to content behavior. This in itself can be measured by payment behavior, and payment and purchases are established in a transparent block.

Blockchains can be viewed as distributed messaging networks with cryptographic data storage capabilities. Blockchains, here, are referred primarily as networks, as the main purpose is to explore the viability of private blockchain networks versus public blockchain network. However, the former is explicitly being controlled by single organization, or more commonly, a private entity – a company, or a firm. A different way of looking at this comparison is to associate public blockchain networks with fully decentralized networks versus private blockchain networks that are controlled and governed by a specific party or parties. Originally, this was conceived as part of a completely decentralized system, blockchains, however, can be rolled out in a centralized manner in order to create, distribute and control a privately-managed cryptocurrency.

TREX Coin is the use of blockchain technology and digital identity to digitize assets, the use of smart contracts for digital assets to be self-managed, to achieve "smart economy" with a distributed network.

Having easy-to-use, secure cryptocurrency technology that integrates exchange between fiat money and cryptocurrency, credit card capability, and cold, secure storage of user funds while providing novice users techniques to improve their skills is the future of safe trading and exchange of assets – this is done through the help of CCSS. CryptoCurrency Security Standard (CCSS) is a security standard that helps secure all information systems that make use of cryptocurrencies. Standardization of the security techniques and methodologies used by cryptocurrency systems around the globe allows end-users to be able to easily make educated decisions about which products and services to use and with which companies they wish to align. It also provides users with a return on gross profits serves as an additional enticement.

Meet TREX Coin

We will issue a fixed amount of 65.500.000 TREX tokens (aka TREX — an ERC20 token with 18 decimal places) to incentivize the community to build a great crypto ecosystem. TREX token will be used to trade on the TREX Exchange, along with ETH, WETH and more than 500 ERC20 tokens. The initial price is set at 1USD and will be traded publicly on our exchange. More information about our token can be found on our smart contract code and the address at 0x33d133f175b5cee9aac255448d52394818b76cd0. There will be no ICO for TREX.

Easy-to-use, secure cryptocurrency with a future-minded organization - that's where TREX Coin comes into play in a trustworthy and secure decentralized exchange that allows users to easily convert TREX, Ethereum, Wrapped Ethereum and Exchangeium (a new generation stablecoin) into any ERC20 token within the Ethereum ecosystem. Due to its decentralized nature, it must implement algorithms to secure the validity of transaction determined by network agreement or consensus. This method required nodes to communicate with each other in real time; in a globally distributed network, this involves large message times due to the physical limitations of having to transmit information over the internet infrastructure. Moreover, public networks are exposed to cyber-attacks - especially those that cannot rely on a central counterparty to distinguish good actors from bad ones, and therefore must implement anti-spam measures for the network to be able to protect themselves from bad actors. Protection in numbers is, unfortunately, not a feasible option due to the open nature of public networks, so alternative means of protections were put in place to make it economically unfeasible for bad actors to attack the network.

You can buy or sell your favorite cryptocurrency in just a few clicks with peace of mind, knowing that your funds are safe, and you are dealing with a trustworthy organization. A cryptocurrency like TREX Coin consists of a network of peers. Each peer has a record

TREX
TREX.ORG

of the complete history for each transaction and, therefore, of the balance of every account. The transaction is simply a file that says A gives X amount of TREX Coin to B and is signed by A's private key. After it is signed, a transaction is broadcasted in the network, i.e. one peer sends the information to every other peer, just like it would happen with any basic p2p technology. The benefits here are that the transaction is known almost immediately by the whole network, but it gets confirmed only after a specific amount of time has passed. The conformation part is a critical concept to every cryptocurrency, so it applies to TREX as well. While the transaction is unconfirmed, it is pending, and can be forged, but once it is confirmed, it's set in stone: it is no longer forgeable, it can't be reversed, it is part of an unalterable record of historical transactions, i.e. the blockchain. Only miners can confirm transactions: it is their job in a cryptocurrency-network. They take transactions, stamp them as legit and spread them in the network. After a transaction is confirmed by a miner, every node must add it to its database, so it becomes part of the blockchain. For this job, the miners get rewarded with a Coin of the cryptocurrency, for example with Ethereum.

With TREX Coin, security and access are the new reality and will become the standard because we at TREX Coin believe that everyone, everywhere should have access to cryptocurrencies without any difficulties. Having a solid and strong foundation drives our strategy.

Advantages of trading with TREX Coin

Centralized exchanges are easy to use, easy to access and they provide advanced trading functionalities like margin trading and others. However, they also represent a security risk for your funds. While some exchanges are better guarded than others, hacks are not an uncommon event in the cryptocurrency scene, and some like the Bitfinex hack have led thousands of users losing their savings.

Nevertheless, we need to exchange our currencies. There are certain items and services that we cannot buy with Bitcoin (yet) and in order to acquire Bitcoin or cryptocurrencies, most people have to exchange it for a national currency. Furthermore, some cryptocurrencies like Ethereum or Bitshares have special features or tools that are not present in Bitcoin. So how can we exchange our coins without entrusting them to a third-party service? The answer lies in decentralized exchanges.

A decentralized exchange like TREX is an exchange market that does not rely on a third-party service to hold the customer's funds. Instead, trades occur directly between users (peer to peer) through an automated process. This system can be achieved by creating proxy tokens (crypto assets that represent a certain fiat or crypto currency) or assets (that can represent shares in a company for example) or through a decentralized multi-signature escrow system, among other solutions that are currently being developed.

This system contrasts with the current centralized model in which users deposit their funds and the exchange issues an IOU that can be freely traded on the platform. When a user asks to withdraw his funds, these are converted back into the cryptocurrency they represent and sent to their owner.

Our decentralized models offer several advantages over others, including, but not limited to the following:

- Clean and easy-to-use interface offers simple solutions for different transactions. Other systems offer a variety of functions, varying in difficulty, but ours is the most user-friendly and the easiest to use. This is not something that is a characteristic of decentralized exchanges, but our engineers have worked hard and succeeded in creating a UX (user interface) that is a pleasure to work with.

- A place of trading that offers a wide and easy overview. The orderbooks and tradesa can be put in ascending / descending order based on volume, price, date, and quality.

- An unbelievably easy-to-use wallet - this function offers transaction both from and to address to the exchange. You can see all your balances in one place, without having to switch from one work session to another.

Further benefits of our decentralized system

The most obvious benefit to using a decentralized exchange over a centralized one is their "trustless" nature. You are not required to trust the security or honesty of the exchange since the funds are held by you in your personal wallet and not by a third party.

Another advantage to the decentralized model is the privacy it provides. Users are not required to disclose their personal details to anyone, except if the exchange method involves bank transfers, in which case your identity is revealed only to the person that is selling or buying from you.

Question of security

The whole point of using a blockchain is to let people — in particular, people who don't trust one another — share valuable data in a secure, tamper-proof way. That's because blockchains store data using sophisticated mathematics and innovative software rules that are extremely difficult for attackers to manipulate. But the security of even the best-designed blockchain systems can fail in places where the fancy math and software rules come into contact with humans, who are skilled cheaters, in the real world, where things can get messy.

To understand why, start with what makes blockchains "secure" in principle. Bitcoin is a good example. In Bitcoin's blockchain, the shared data is the history of every Bitcoin transaction ever made: an accounting ledger. The ledger is stored in multiple copies on a network of computers, called "nodes." Each time someone submits a transaction to the ledger, the nodes check to make sure the transaction is valid — that whoever spent a bitcoin had a bitcoin to spend. A subset of them compete to package valid transactions into "blocks" and add them to a chain of previous ones. The owners of these nodes are called miners. Miners who successfully add new blocks to the chain earn Bitcoins as a reward.

Furthermore, the hosting of decentralized exchanges is distributed through nodes meaning that there is no risk of server downtime.

Smart Contracts

The smart contract was first proposed by the cryptographer Nick Szabo in 1994, only five years after the creation of the World Wide Web. According to Szabo's definition: When a pre-programmed condition is triggered, the smart contract will execute the corresponding contract terms. TREX Coin technology provides us with a decentralized, tamper-resistant, highly reliable system in which smart contracts are very useful. TREX Coin has an independent smart contract system.

Creating and executing a smart contract is a relatively simple process, and can be defined in the following three steps:

•   A contract between two or more parties is written in code and is posted on the blockchain.

•   There needs to be an event to trigger the execution of the smart contract. E.g.: when a sum of money is sent, when an expiration date is met, when a price rises above a certain value, etc.

•   As soon as the triggering event takes place, the contract self-executes (according to the terms original put into code). After this happens, both parties get what they promised to one another as defined by the contract. In case the conditions are not met, then the program will decide whether the funds should go back to their respective owners. Meanwhile, the blockchain ledger on which the contract is stored will record all transaction details, thereby giving it immutability on the network; i.e. regardless whether a contract ends up self-executing or not, all details will still be stored in a transparent way.

What are the benefits of smart contracts?

As of today, some of the advantages of smart contracts include, but are no means limited to the following:

- the option of multi-signature accounts, whereby making the spending of funds only possible when a certain number of people agree. If an agreement is not reached, then the smart contract won't execute.

- the ability to manage agreements between users, and treating both parties as equals, keeping in line with the conditions that the parties have agreed to.

- the possibility of further utilities to other possible contracts, and through the use of secondary smart contracts, linked to the original one - providing a means to store information and records, according to the network conditions.

It is also important to note that smart contracts completely eliminate the need of a middleman, who were once required to facilitate a transaction. This means that the use of smart contracts can save people time, money, and bring more comfort, as people will no longer be required to meet face to face.

The smart contract system is the biggest feature of the seamless integration of the existing developer ecosystem. Developers do not need to learn a new programming language but use solidity or other mainstream programming languages in their familiar IDE environments (Visual Studio, Eclipse, etc.) for smart contract development, debugging and compilation.

Application and Ecosystem

Ecosystem is the vitality of the open source community. In order to achieve the goal of an intelligent economic network, TREX Coin will be committed to the development of its ecosystem, providing mature development tools, improving development of documents, organizing education, and training activities, and providing financial support, fight against corruption.

Essentially, there are two sides to the argument that certain investors need to deal with when looking at cryptocurrencies as a means to gain early exposure to venture capital that could further rise in valuation. The argument is that cryptocurrencies are simply a bubble that will inevitably burst due to the foundation on which they exist. Many major financial institutions have issued multiple warnings against exposure to cryptocurrencies due to its highly speculative nature and non-fiat characteristics, with the CEO of another adding that the only reason today to buy or sell cryptocurrency is to make money, which is the definition of speculation and the very definition of a bubble. Despite this pessimistic sentiment, firms like JP Morgan are investing a lot of capital in blockchain based projects and have been doing so since 2015. Major global banks, e.g.: Goldman Sachs, are also exploring blockchain technologies as a means to cut transaction costs and time.

At TREX, we hope to build a platform that accommodates the technological advances present in cryptocurrencies to build an ecosystem for freelancing. To further elaborate this statement, consider a fiat currency. By definition, a fiat currency, such as the USD, is a currency that a government has declared to be legal tender but is not backed by a physical commodity. The reason why the USD has value is due to supply and demand, and our token works in a similar manner. TREX as an ecosystem acts as a market that translates the demand and supply of tokens into transactions, an aspect similar to the US. economy with the dollar. The demand forces in the TREX platform are driven by freelancers, where freelancers

increase the demand for our currency by completing more jobs. Within the US. economy, if there is an increase in transactions, it means that there is an increase in demand for the currency, which further indicates higher consumption. Likewise, an increase in transactions utilizing the token will indicate an increase in demand, which in the case of TREX points to an increase in the number of jobs completed. Our token is designed to be a utility token that mirrors a fiat currency like the USD, in its rawest stage. And, by ignoring foreign exchange forces and balancing of reserves, the currency serves as a means to transact an amount of a good or service, with an acceptable amount of assets.

As the one and only intermediary, TREX will guide and eventually be the technology that gives both experienced and novice users a peek into the future of currency. With the use of TREX Coin, we offer you a new business model and a world-class decentralized crypto-exchange, powering the future of crypto finance.

Join us in this epic financial revolution!