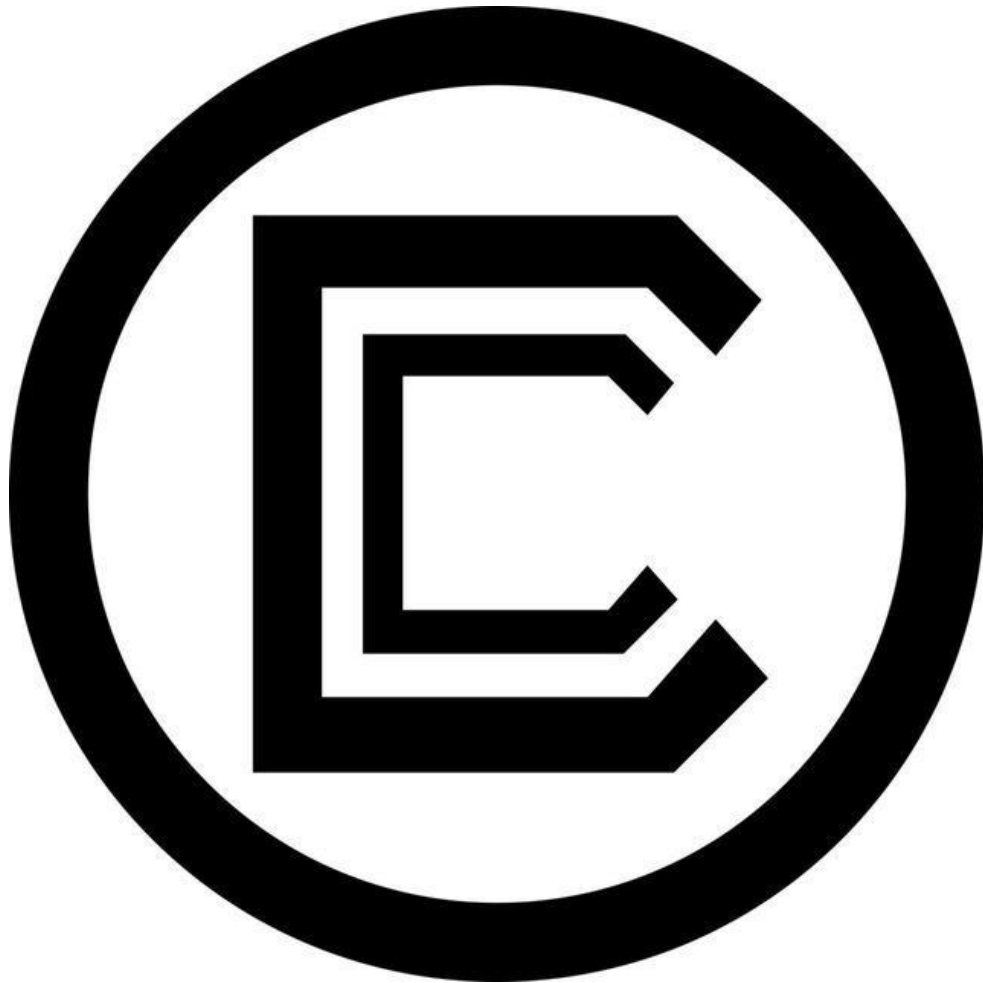


Original Crypto Coin



Original Crypto Coin Team, February 2018

Abstract

Bitcoin, altcoin, blockchain, exchange . . . you know you want crypto coins, but you have no idea where to start. With the focus of Original Crypto Coin (OCC) on ease of use and education for crypto beginners, we aim to help people become comfortable with choosing, obtaining, storing, and transferring cryptocurrency using popular tools and websites, as well as providing a token which can be used by developers interested in building apps or other projects that use cryptocurrency. This project has been designed with beginner users and developers in mind, with the goal of taking the intimidation factor out of cryptocurrencies using our understandable, easy-to-use, and affordable platform. In addition to our ERC20 compliant OCC token, which is being distributed for free using a token faucet, we'll provide how-to guides, security tips, and other services to make managing, trading and using cryptocurrencies easier for beginners.

This document is for informational purposes only and does not constitute an offer or solicitation to sell shares or securities in Original Crypto Coin or any related or associated company. Any such offer or solicitation will be made only by means of a confidential offering memorandum and in accordance with the terms of all applicable securities and other laws.

1. Introduction

If you're new to cryptocurrency, know people you'd like to introduce to cryptocurrency trading, or you're a developer looking to experiment with developing apps that use cryptocurrencies, you're in the right place. OCC is dedicated to developing a platform with new cryptocurrency enthusiasts in mind, focused on education, low barrier to entry and ease of use, and we're starting out on that path by giving OCC away for FREE! Grab it for yourself or use OCC to help teach your friends and family about cryptocurrency. All you'll need is a wallet, and some Ether for gas. Don't worry if you don't know what that means because our tips and tutorials will walk you through it step-by-step.

1.1. User Types

Original Crypto Coin envisions three target user types for the OCC token and website:

1. **Crypto beginners** who will use the tutorials, blog posts and other educational content provided to obtain cryptocurrency for the first time, and who will begin learning to transfer and store crypto using OCC.
2. **Experienced crypto users** who are interested in teaching their friends and family about cryptocurrency in an inexpensive way, who will obtain OCC and use it to teach people they know to trade, transfer and store cryptocurrency.
3. **Developers** who are new to blockchain and/or cryptocurrencies and are interested in trying to integrate cryptocurrency into an app, game or website who will use OCC rather than having to create, launch and distribute their own token.

2. Basic Terminology

Cryptocurrency is a digital or virtual currency that is secured using cryptography. You've probably heard of **Bitcoin (BTC)**, which was the first successful decentralized cryptocurrency. This means it functions without a central computer or bank.¹ Instead, Bitcoin and other cryptocurrencies rely on a public ledger system called the **blockchain** which exists on multiple **nodes** (computers with copies of the blockchain). Peer-to-peer transactions are carried out by **miners**, which compute the correct values to satisfy the hash function in the blockchain. The blockchain is made up of a linear sequence of **blocks**, or files that permanently record cryptocurrency transaction data.

Ethereum is a blockchain featuring **smart contracts** which are programs which enforce a contractual relationship with cryptographic code. This means that contracts between parties are carried out exactly as programmed.² **Ether (ETH)** is the currency designed as “fuel” for the Ethereum blockchain.³ However, the standards such as **ERC20** also allow anyone to develop a **token** which can operate on the Ethereum blockchain. **Original Crypto Coin (OCC)** is one example of an ERC20 compliant token.

3. Original Crypto Coin (OCC) Token

A fixed supply of 100,000,000,000 (100 billion or 10^{11}) ERC20 compliant Original Crypto Coin tokens (OCC) will be created.

Original Crypto Coin Specifications

- **Name:** Original Crypto Coin
- **Symbol:** OCC
- **Standard:** ERC20
- **Platform:** Ethereum
- **Coin Supply:** 100,000,000,000 OCC (10^{11})
- **Contract Address:** 0x0235fe624e044a05eed7a43e16e3083bc8a4287a
- **Decimals:** 18

3.1. The OCC Smart Contract

ERC20 tokens are becoming pretty standard, and there are a number of templates from which to choose (e.g., the MiniMeToken from Giveth,⁴ the Standard token from ConSensys,⁵ or OpenZeppelin,⁶ etc.). Unfortunately, a deep understanding of solidity and the implications of each line of code isn't, well, er...standard.

This state of affairs is generally no fault of smart contract developers. Dealing with solidity security concerns alone have proven to be difficult time and again. Solidity documentation suggest widespread use of “require()” assertions over the (now deprecated) “if/then throw()”. However, there are alternatives. “if/then revert()” costs less gas and makes your contracts more efficient to use. It allows for more interactions with your contract and a better user experience (even if we're just talking about saving a few gwei).

Consider this example contract:

```
pragma solidity ^0.4.19;

contract CompareAssertions {

    function requireExample (uint256 input) public pure returns (uint256) {
        require(input > 5);
        uint256 result = 5 * input;
        require(result > input);
        return result;
    }

    function revertExample (uint256 input) public pure returns (uint256) {
        uint256 result;
        // costs less than the above function
        if (input < 5 || ((result = 5 * input) < input)) revert();

        return result;
    }
}
```

While both functions will cost less than most writable (transactional) functions in any given contract the one utilizing “revert” costs 26 fewer execution units (gas).

OCC uses if/then revert() whenever prudent and require only when necessary. This amounts to a gas utilization of 51721 for token transfers in comparison to Tron’s (TRX) 52091, or to Swarm City Token’s (SWT) 90844 (a 43% reduction in gas cost).

OCC, like the MiniMeToken, prevents an approval race condition: though mostly theoretical, it is possible in most tokens for an attacker to spend a user’s tokens twice if the user approves the attacker twice without zeroing out the attacker’s allowance. While the MiniMeToken accomplishes the same thing, it does so at a larger gas cost than OCC.

OCC is also one of the first token contracts with multiple “owners” (or cofounders) with a programmatically verifiable equal distribution. While contract creation is more expensive, individual cofounder or user transactions are much cheaper.

3.2. OCC Token Distribution

OCC tokens will be distributed to the public using a token faucet. Initially, the OCC token faucet will distribute 200,000 tokens per wallet address. The OCC team reserves the right to adjust the amount distributed per wallet at any time, until the total token supply is exhausted. The OCC team will not conduct an Initial Coin Offering (ICO) or any other form of token sale for OCC.

4. Original Crypto Coin Website

The Original Crypto Coin website (OriginalCryptoCoin.com) will provide educational material aimed at new cryptocurrency users and developers who are interested in working on projects utilizing cryptocurrency. Initial content will include a glossary, a how-to guide for obtaining and storing OCC, answers to frequently asked questions, and tips on identifying and avoiding cryptocurrency scams. Content will be maintained and updated by the OCC Team on an ongoing basis.

4.1 Other Educational Services

OCC will sponsor and/or organize other educational events including local blockchain conferences and meetups with presentations and vendor displays targeted at new crypto users, developers, and retailers interested in learning to accept crypto payments for their business.

5. Important Disclaimers

Not an Investment Offer

This white paper will not and cannot be considered as an offer to enter into an investment. It does not constitute or relate in any way, nor should it be considered as an offering of securities in any jurisdiction. This document does not constitute an offer or an invitation to sell shares, securities or rights. The white paper does not include nor contain any information or indication that might be considered as a recommendation, or that might be used to base any investment decision.

The Original Crypto Coin is not intended to be used as an investment and is not for speculative purposes. Tokens on trading platforms are not a qualification or a security and/or legal qualification. Given the lack of crypto token qualifications in most countries, each party obtaining Original Crypto Coin tokens is strongly advised to carry out a legal and tax analysis concerning the purchase and ownership of OCC according to their nationality and place of residence.

No Ownership Rights

Acquiring Original Crypto Coin tokens shall not grant any right or influence over Original Crypto Coin's organization. Original Crypto Coin gives no direct or indirect right to Original Crypto Coin's capital or income, nor do they bestow any governance right within Original Crypto Coin. An Original Crypto Coin token is not proof of ownership or a right of control. It does not grant the controlling individual any asset or share in Original Crypto Coin as an organization, or in the Original Crypto Coin network. An Original Crypto Coin token does not grant any right to participate in control over Original Crypto Coin's management or decision-making, or over the Original Crypto Coin network and governance, either to Purchasers, or to those who obtain OCC tokens from the faucet giveaway.

No Tax or Legal Advice

Original Crypto Coin does not provide legal or tax advice, and the information herein is considered general and educational in nature. Tax laws and regulations are complex and subject to change, which can materially impact investment results. Original Crypto Coin cannot guarantee that the information herein is accurate, complete, or timely. Original Crypto Coin makes no warranties with regard to such information or results obtained by its use, and disclaim any liability arising out of your use of, or any tax position taken in reliance on, such information. Consult an attorney or tax professional regarding your specific situation.

No Guarantees

Cryptocurrencies can be affected by adverse issuer, political, regulatory, market, or economic developments outside of the control of Original Crypto Coin or the token holder. Original Crypto Coin makes no claims or guarantees regarding cryptocurrency value.

Token Holder Responsibilities

Parties who choose to obtain the Original Crypto Coin token will take the time to understand cryptocurrencies, blockchain systems and the risks associated with cryptocurrencies. Token holders are solely responsible for the security and storage of their tokens. Original Crypto Coin is not responsible for any lost, stolen, or missing tokens. Token users should be careful considering the risks, and costs associated.

Use of Ethereum Blockchain

Original Crypto Coin is based on the Ethereum Protocol. Hence, any operational error of Ethereum protocol will cause Original Crypto Coin's network to have malfunctions.

Third-Party Websites

Links to third-party websites and applications are provided for your convenience and informational purposes only. Original Crypto Coin is not responsible for the information contained on, nor the security of, third-party websites or applications.

6. Conclusion

The Original Crypto Coin token and website will help onboard new cryptocurrency users and help people curious about cryptocurrencies become comfortable with the idea of obtaining and using cryptocurrencies themselves. In addition, the OCC token can be adopted by developers for the use in their own projects.

7. References

1. Bitcoin Wiki. https://en.bitcoin.it/wiki/Main_Page
2. Ethereum. <https://www.ethereum.org/>
3. What is Ether? <https://www.ethereum.org/ether>
4. Giveth MiniMe. <https://github.com/Giveth/minime>
5. ConsenSys Tokens. <https://github.com/ConsenSys/Tokens>
6. OpenZeppelin. <https://openzeppelin.org/>