

# **AskCoin**

*A real-time Q&A (Question and Answer) platform based on blockchain technology*

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## **1. Overview**

*With the rapid development of the times of Internet information, the ways people get knowledge and information are increasingly diversified and convenient; in real life, when we have doubts and hence need help from other people, you'll find, in most of the time, that people around you actually cannot timely answer your confusions/doubts, hence we'll divert our attention to the Internet - the biggest open information platform - to seek help. Blogs, microblogs and all sorts of online forums are all good places where perception, knowledge and emotion can be exchanged among people; also, various group chat software/apps that exist can bring us experience of nearly real-time communication. In using the above various communication tools, however, we've also detected some problems:*

- *Such ways of communication as blog, microblog and forum are not completely real-time because the posters have to wait for quite a long time before they get replies from other people.*
- *Group chat tools can bring us experience of nearly real-time communication, but group chat is after all not a separate discussion tailored to a question raised by someone but filled with miscellaneous chats that can easily drown the messages of those who need help and answers to their doubts.*
- *People lack motivation and enthusiasm to participate in and reply the questions and doubts of other people.*

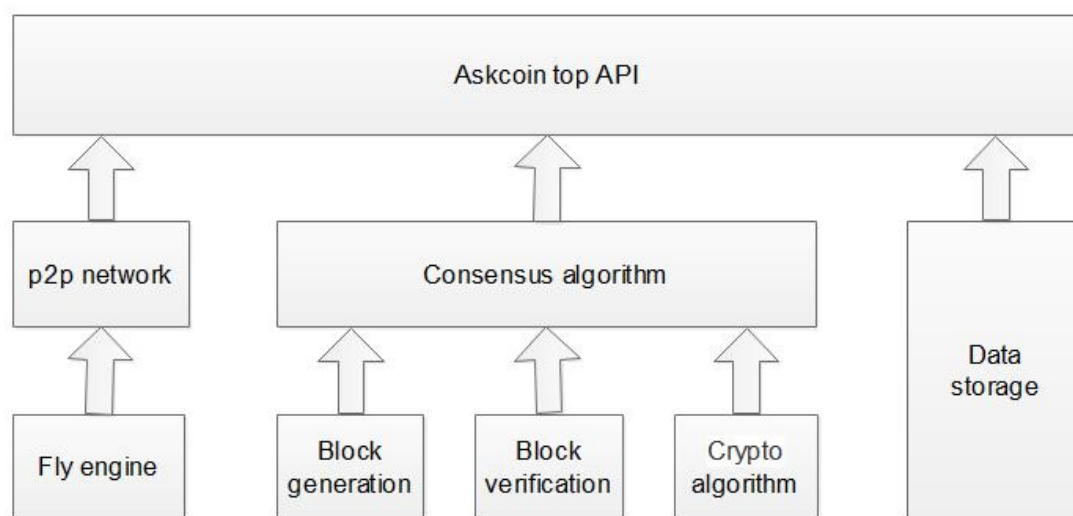
*The emergence of the blockchain technology brings us new ways of thinking, new economic models and brand-new definitions of "value". In response to the foregoing phenomena and in combination with the advantages of the blockchain technology, the*

*AskCoin Project comes into being.*

*The distributional consensus algorithm DPOS, which is the fastest in the cryptocurrency industry, is adopted for AskCoin. The DPOS algorithm, having been sufficiently verified in such projects as BitShares, Steemit, Lisk and etc., can realize second(s)-level block confirmation and thereby ensure the real-time nature of the Q&A platform. Moreover, AskCoin itself is a kind of cryptocurrency embedded in the system that drives the whole Q&A platform, and it stands for value too. As long as you are willing to help others answer their doubts, the askers'll reward you; also, you may only reward certain replies that satisfy you separately, this is an innovation of AskCoin.*

## **2. Technological Framework**

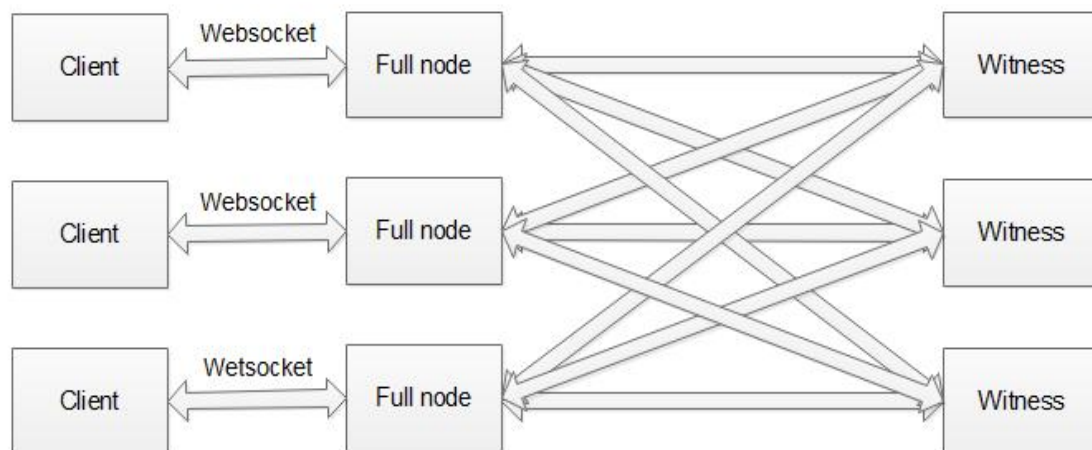
*The front-end App of AskCoin, based on the React Native component of Facebook, supports both iOS and Android at the same time. The back-end full-node, developed using system-level language C++ and based on the open-source Fly network engine library (<https://github.com/lichuan/fly>), realize high-performance functions such as distributional network verification, block generation, packaging, broadcasting etc., the technologies stack diagram is set out below:*



*Sketch of AskCoin technologies stack*

*The logical framework mainly comprises network, consensus algorithm and data storage, jointly forming the foundation of AskCoin.*

*The mechanism of websocket-based two-way communication between the front-end and the full-node realizes real-time push & pull of information, the framework is set out below:*



*Sketch of framework of front-end and nodes*

*The full-node and the witnesses are connected via TCP, and they are interlaced one another, forming a broadcast network. When the witnesses generate blocks in turn, the newly generated blocks will be broadcast to the full-node, which will be in charge of subsequent verification and storage, and push relative information to the front-end App of AskCoin.*

### **3. Size of issue**

*The total size of issue of AskCoin is 10 billion coins, during the Initial Coin Offering (ICO), 1.0 billion coins will be offered at a price of CNY0.01 (1 Fen) to the market. Such pricing is due to the reward-type nature of the AskCoin Q&A platform: it's undesirable to appear too many decimals in a reward amount, assuming very high unit price of AskCoin e.g. CNY5.0/askcoin, if only CNY0.1 to be rewarded, decimals will appear in the reward amount (0.002 askcoin).*

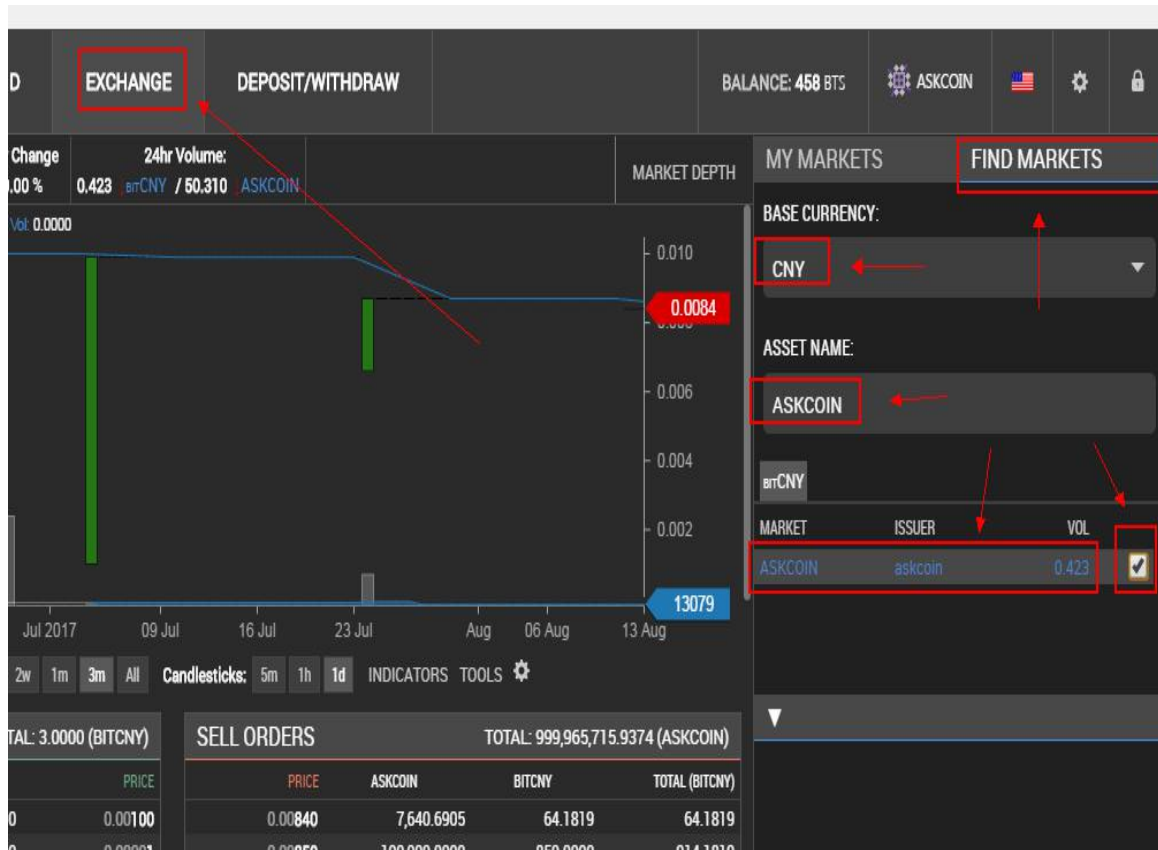
*The AskCoin project is positioned to realize steady growth of value, not wanting*

*sudden and sharp rise/drop, subsequent release of AskCoin interest will be subject to the development stage and market conditions of the project, anyway, the general principle is that the market price will not be materially affected.*

*At the infancy stage of the project, majority of the AskCoin tokens are with the founding team - this is conducive to securing the stability and controllability of the AskCoin project. With gradual stabilization and maturation of the project, a large portion of the AskCoin tokens will be sent to the capital pool of the AskCoin system, thereby the number of the outstanding tokens is impliedly decreased; only a small portion of tokens from the capital pool is required to pay regular salaries to the witnesses around the world elected out by the coinholders of AskCoin. Therefore majority of the capital in the capital pool is impliedly locked up. Meanwhile, the AskCoin founding team will retain a portion of AskCoin tokens for the purposes of project publicizing, talents recruitment and etc. The ultimate objective is: to get the AskCoin tokens distributed among global coinholders from different countries; to realize decentralized real-time Q&A platform; to expand the base number of users while maintaining nonstop steady appreciation of AskCoin.*

#### **4. Exchange**

*Currently, AskCoin tokens can be traded by pending orders in the exchange inside BitShares DEX Wallet, upon formal launch of the real-time Q&A platform, the tokens can be formally exchanged for askcoins at a ratio of 1:1. The trading pair for pending order trade inside BitShares Wallet is AskCoin : bitCNY, you can find the trading pair AskCoin : CNY by clicking “FIND MARKETS” at the right trading interface, please see below:*



Trading pair of AskCoin : CNY inside BitShares DEX

## 5. AskCoin Project Team Members

Chuan Li: Project initiator & back-end architect, with over 10 years' experience in system-level C++ development, proficient in development of distributional network framework;

Gu Shui: Front-end development engineer, proficient in such technologies as nodejs, react and etc.;

Cheng Li: Front-end architect, with many years' experience in mobile Internet development;

Lin Wei: Front & back-end development engineer, full-stack engineer;

Xuan Wang: Art designer with many years' experience in mobile-end UI design;

Bruce Guo: Business manager, senior financial/legal translator, proficient in English and good at Russian.

## 6. Progress of Development

*The project is currently under development sparing no efforts, and part of the App-end UI interface effect has been finished, please see below:*



*Back-end full-node code is also under development, to protect the project against being reproduced, the full-node codes will be opened on github only when the project gets stable, the AskCoin blockchain network is planned to be formally launched by the year-end of 2017.*

## 7. Official Website & Cyber Communities

*Official website: [www.askcoin.me](http://www.askcoin.me)*

*QQ Group for Chinese communities: 452590312*

*Steemit: <https://steemit.com/@askcoin>*

*Github:*

*App: <https://github.com/lichuan/askcoin-client>*

*Full-node: <https://github.com/lichuan/askcoin>(the source code will be opened only after the infancy stage so as to protect the project)*