Anda+

White Paper

Anda+ is World's first real third generation of blockchain, which accomplishes better security, transaction more efficiently, disposes in AI process, supports hundred businesses being connected on blockchain, and achieves trusted computing.

ANDA+ WHITE PAPER ABSTRACT

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Anda+ is a public blockchain of the third generation cross blockchains which has been developed by multinational technical team for three years, and it has own token. Development is finished basically, and internal test is ongoing. It effectively integrates blockchains, AI, and trustworthy computing, achieves many breakthroughs, and owns all characteristics of the new generation blockchain.

Token wallet and digital payment App of Anda+: 1. Allow users to buy and sell encrypted token (including ANDA token, BTC, ETH, etc). Encrypted token can be exchanged in wallet; 2. ANDA token can be a token to present the holder's right to operate on the ANDA chain and each AI blockchain node; 3. ANDA token is anchor token on ANDA chain which can generate blockchain token of AI blockchain nodes; 4. It can get reward from storage in digital bank, accumulate credit from using, and it can be a mortgage; 5. Token wallet and token payment App of ANDA+ are carry-on tools for Money Exchange and payment. It realizes instant exchange and instant payment. 6. Token custody is implemented and reward from custody.

Our purpose is to make ANDA wallet become the first choice of token wallet and token payment App for everybody. Users can get AI blockchain node service of payment in 108 businee, such as ordering government vouchers, rewarding to network anchor, share for doctor and medical records, managing logistics chain, food security, and travel. etc. Anda+ support online payment and transaction for above services with ANDA token. Users also can choose payment modes according to their willing, for example, they can choose some tokens and legal tender. It is safer than bitcoin wallet.

Consensus algorithm is the soul of public chain and engine If new consensus algorithm hasn't obvious improvement for security and efficiency of public chain, it can't be called the new generation blockchain. ANDA+ use three different consensus algorithms which have own patents. We improve the efficiency of payment greatly under the premise of improving security, and it can support massive transactions Choosing a small set randomly between two uncertain sets is the theory of these formula algorithms. With AI blockchain

node. It can achieve the same magnitude of payment speed as Alipay, Wechat and Paypal.

Anda+ has 108 AI blockchain nodes, which are not super node of EOS and normal node of blockchain. AI blockchain nodes are management nodes that achieve cross blockchains, blockchain functional completeness and AI adequacy, using at least five trusted computing servers (note that it not trusted). They are the bridges between heterogeneity chains (Bitcoin, Ethereum) and Anda+. They are also the pivot of different sidechains (public chains, alliance chains and private chains) which can work simultaneously but structures are different. It is possible to integrate the respective chains of hundreds of businesses and ANDA+, to realize blockchain+ and to support the transformation and upgrading on chain in hundreds of businesses.

Anda+ has hardware token wallet. It carries out that once token wallet is offline, the wallet is offline. Meanwhile, all calculations in wallets, including the digital signatures and timestamps will be accomplished in token wallet but not in cellphone and computer. In this way, security issues are prevented from divulging storage, and from private key being stolen due to non-trusted machines device. Hardware token wallet used the core technology of trusted root, trusted

measure, and so on, amid which we have eight microcircuits block IP.

Anda+ held the own patents on its algorithm of mining technology. We will provide free mining software; meanwhile, the production of every mining machine must obtain the certification from Anda+.

Achieving patents of Anda+ can validly solve part of malady in the Exchange and centralized mining power, and provide better protection for Anda+ digital wallet and owners of ANDA token.

The first generation is Bitcoin. It is very successful that laid the foundation for blockchain and generated many similar public chains that completely utilized its mechanism. But the common weekness are low efficiency, no application on line, and easy to be influenced by Exchanges and mines.

The second generation of blockchain is Ethereum, which is also very successful. It opened up online simple application and represented a milestone in blockchain history. However, it is inefficiency. Its security of smart(smart is not AI) contract has been hacked usually. Smart only support small scale application. It is also easily affected by Exchange and Mine field.

It makes some breakthrough in limitation of Bitcoin and Ethereum:

1. Security of Anda+ is superior to Bitcoin (Bitcoin is safest among existing blockchains);

2. The same magnitude of payment speed as Alipay and Wechat;

3. Support large scale applications;

4. Adequate AI;

5. Trusted computing is implemented in this blockchain system.

Anda+ has formed a system of interaction between main chain and different heterogeneous side chains with 53 patents and IP of own property rights as the fulcrum. It can connect chains to chains, exchange coins to coins, and cross through chain to chain if you have Anda+ token. Anda+ provides a new kind of security exchange and transaction for value between users.

ANDA+ is like a widest, good quality highway(blockchain) and each AI blockchain node is like a complete toll station on ANDA+ that can manage transportation and connect different side roads((sidechains): including public chain, alliance chain and private chain) with highway, which enable hundreds of businesses or domains to get involved in ANDA+, to use own blockchain, or to be blockchaining. Source code will be announced before the main net going on line. AI blockchain node code will be published after AI blockchain nodes of hundreds of businesses going on line (patent protection needing).

Founder of this team is HANYONGFEI (he was named " A new generation of IT leaders" by NEWSWEEK in 2005, and his algorithms was wrote in the famous western book of HANDBOOK OF APPLIED CRYPTOGRAPHY). He published papers about electronic payment, electronic wallet, ECC efficient realization, etc on CODING AND CRYPTOGRAPHY,ACM, AsiaCrypt in the last century. BTC wallet are basically same with Netscash wallet which was designed by him in 1997. Co-founders are Zhang Xiao, Liu Xinqi, and other nine experts in Thousand Talents Program (Zhang Xiao is one of the earliest overseas_ Chinese that mining Bitcoin). Advisers: Hu Xiangyi, a director of Beijing key laboratory of network cryptography authentic technology; Yin Hao, an expert in Ten Thousand Talents Program and he is a professor in Tsinghua University; David X. Li, a former CRO in China International Capital Corporation; Zhang Xu, who is an expert in Thousand Talents Program. Corporate partners such as David Nachach, Andrew Bakst、Andrew Musk and Roland li who are specialists on Chinese and foreign finance, ANDA+ ecology and market

The significant prospect of public chain of blockchain depend on two wheels of technology and application. Capital is axis between two wheels.
--------------HAN YONGFEI------------------

Blockchain is beautiful, but not perfect. Cryptology pursues perfect. Thus, blockchain, which derived from cryptology will become more beautiful in the pursuit of perfect.

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Under the same network environment and verification mechanism, the limitation of highest TPS in the public chain's consensus verification is single point verification.

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Chapter 1: Why do we need ANDA+?

Because the existing blockchain is still not 100% satisfactory, ANDA+ is trying to make people satisfied.

The principle of ANDA+, it is like a highway, and the AI blockchain node is the toll station, which is in charge of the connection of side road and highway. Side road can be a self-own blockchain in different businesses.
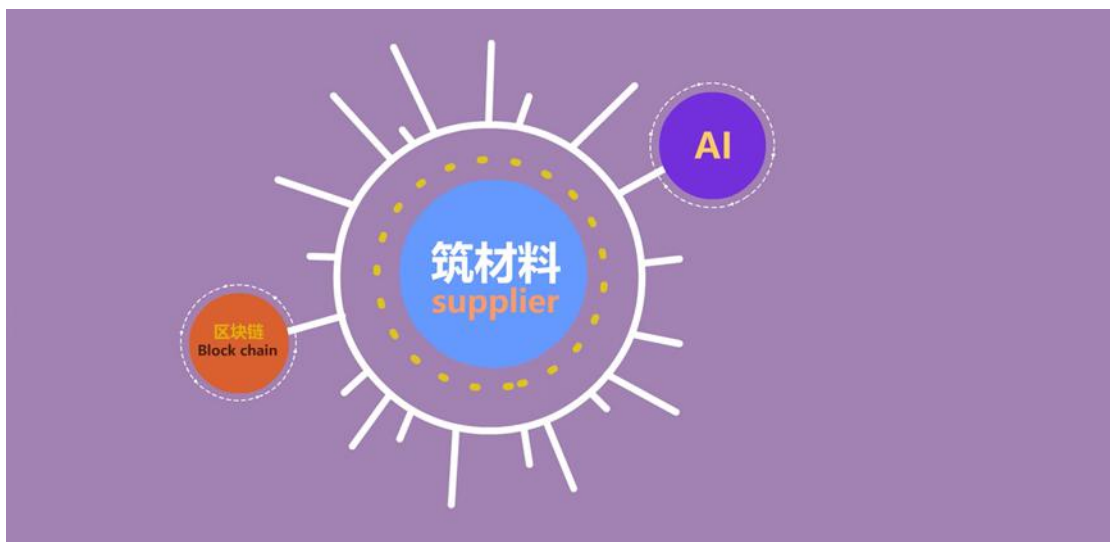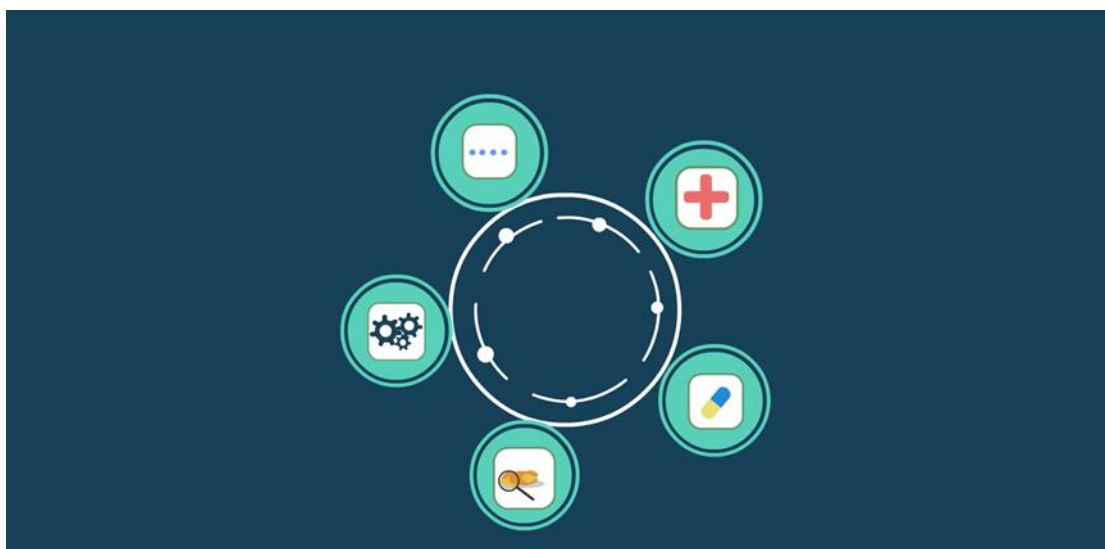
Chapter 2: The Consensus algorithm of ANDA+

In the condition of achieving the highest level of security, it achieves the most effective consensus efficiency at present

Chapter 3: ANDA's cross chain mechanism can not only accommodate BTC, ETH, but also accommodate different public chains and alliance chains.

Chapter 4: The AI blockchain node and application of ANDA+

Chapter 5: ANDA+'s trusted computing server: www.onets.com.cn

Chapter 6: ANDA+'s hardware token wallet: upgrade of ANWEN, see ANWEN

Chapter 7: ANDA+'s mining machine: own algorithms, own chips

Chapter 8: ANDA+'s token distribution (general)

The role of the blockchain is to create a new consensus synergy. There is no authority in the blockchain system. The entire ecosystem can achieve mutual synergy ,orderliness, and prosperity according to a normative behavior.The secret is the token under consensus. Token, as a tool for economic incentives, promote the active work of various actors in the ecosystem. ANDA+is a public service product.

The total amount of ANDA+'s token is fixed at 29.8 billion.

1. 70% token is used for mining. 100 million tokens can be mined each year, and increased slightly year by year. Our tokens can be mined for 200 years under the same total amount.

2. 4% token reward to the companies who use AI blockchain nodes (lock for one year)

3. 2% token is for private placement.

4. 4% token is for public placement

5. 11% token belong to the foundation(lock 3 year) to guarantee the maintenance, development and market expansion after five years.

6. 1% token is used to reward individuals or institutions that contribute to this chain.

7. Incentives for development teams and marketing teams: 8% to technology and marketing teams(lock 3-5 years)

    The first year of online, most of circulating token is about 5% of the total.

Chapter 9: ANDA+ management

1. Community management

Holders and potential holders of token can become members of the community. Community members hold different number of tokens, with different speaking right in developed and improved in ANDA+.

All incomes of ANDA+ are used for the further development, maintenance, application and expansion of ANDA+. ANDA+ accept the regulation and auditing of Singapore government, punish evil and promote good for setting a distribution system of token mining, payment, savings and credit through issuing tokens.

ANDA+ observes these law in different nations. We suggest users in the nation prohibiting crypto currency observe its law.

2. ANDA development

When ANDA went on line, the foundation forms modification and upgrade plans according to community suggestions,

Chapter 10: ANDA+ market

There are teams who are marketing ANDA+ and its AI blockchain nodes in Asia, Europe and North America.

Chapter 11: ANDA+ route chart

STEP1:

1991-2012, we published ECC efficient implementation, electronic payment, electronic wallet and so on on the code ad cryptography, AsiaCrypt and ACM. Created ACNS, ICICS and Intrust. Products such as trusted computing servers and trusted storage have won key innovations in Beijing.

STEP2:

In 2013, we began to design ANDA+ blockchain. in Europe and Asia.

STEP3:

In 2014, the project was estimated the design with overseas and Chinese team.

In 2015 and 2017, we developed and applied for patents.

STEP4:

In 2018, ANDA+ was officially launched, and it is called the first blockchain

of the third generation by Chinese and foreign official media

The development has come into beta. Token will go on line and be traded. We will

publish the source program of multifunctional token wallet and publish other

programs which are allowed by the patents. The main net will go on line

internally.

STEP5:

In 2019, the main net of ANDA+ and part of AI blockchain nodes will be on line.

All programs will be announced.

Chapter 12: ANDA+ public blockchain issued by

ANDA+ token is an intelligent digital protocol token which based on public blockchainchain, it can promote, verify, and reach an agreement through ANDA+ crossing chains among relating parties.

ANDA+ is a non-profit laboratory fund on blockchain.