



İSTANBUL CHAIN

www.istanbulchain.com

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ISTANBULCHAIN WHITEPAPER – \$IST

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1- Abstract

Blockchain technology consists of a combination of the Internet, cryptography with a private key and a protocol. What comes out of the combination of these is the transactions made without the need for any person. What ensures that every transaction made on the Blockchain is secure is actually due to the fact that the technology has a simple but strong network structure. By performing cryptographic authentication with a private key, you can provide limited information to introduce yourself to others, as well as protect yourself from hackers' attacks. Istanbulchain, prepared with the EVM infrastructure, is an independent project prepared on the Blockchain network. It is not an ICO, but a new generation Blockchain network. It stores transactions on servers located in 8 countries of the world. You can develop your own crypto contract on this network. The contracts you create on networks such as ETH and BNB also work directly through Istanbulchain. The main goal of the Istanbulchain project is to become one of the most popular networks in the Blockchain world. It definitely has no plans to issue and sell crypto money.

This project, created by an experienced team that has achieved international success in the software world since 1999, will revolutionize the world of Blockchain! This adventure, which started in Turkey, will be popular all over the world in a short time. Also, don't think that the Istanbulchain project is just a Blockchain network. There will be many projects such as Istanbulchain Pay, Istanbulchain fast payment, Istanbulchain cryptocurrency exchange, Istanbulchain VirtualPos, Istanbulchain games, Istanbulchain Miner and Istanbulchain NFT. In short, there will be important innovations in the Blockchain world with Istanbulchain.

2- Introduction

Istanbulchain is a project that excites the whole Blockchain world as well as us. We have been doing R&D studies for this project for many years. It was created by a team of 12 people with software and industry experience. In fact, we offer a wide range of opportunities with Blockchain and cryptocurrency developers. You can create your own cryptocurrency and unique projects through Istanbulchain. We used the EVM infrastructure. We will explain in detail why the EVM question is answered in the title below. After that, you will be able to do all your transactions safely over a more innovative and interactive network without the need for classical networks. The \$IST (Istanbulchain Token) that we have created within the scope of this project will offer you the opportunity to make both investments and purchases. We have produced a total of 100 million \$IST, we will sell only 10% of it, we are not planning to sell 90% of it. We will distribute some of it to the miners, and this figure will increase by 10% according to the project requirements.

3- About Istanbulchain

Istanbulchain is actually a project that includes a wide variety of interconnected and different projects. Although it is a Blockchain network in general, it is a comprehensive formation that has signed many projects related to various payment methods, NFT, virtual PoS and so on.

This project, which has products such as Istanbulchain Explorer and Istanbulchain Android Wallet, will also implement 5 different projects in the first stage. This is not an ICO, but a new generation Blockchain network. It stores its nodes on servers located in 8 countries of the world. We can develop your own crypto contract under the Istanbul Chain. The contracts you create on networks such as ETH and BNB also work directly on our network. Also, our goal is not to export and sell cryptocurrencies. Our goal is to become one of the popular networks in the Blockchain world with the projects we have developed and will develop.

3.1- Istanbulchain Products

We have developed some products for the Istanbulchain network. These products are the products that further strengthen the Istanbulchain project. All of them have been prepared by our expert programmers and designed according to your needs.

3.2- Istanbulchain Explorer

Istanbulchain Explorer is a browser where you can instantly track all the transactions you make on our network. It is safe and fast. You can make a search with the transaction number and you can track the transactions you make every second. Istanbulchain Explorer is a browser that users can use safely.

3.3- Istanbulchain Android Wallet

Istanbulchain Android Wallet, which you can download only in APK format from our website for now, is a wallet where you can store and use tokens. You can make \$IST purchase and sale transactions with Istanbulchain Android Wallet. You can receive or send tokens from other \$IST users. It is a 100% secure wallet and you are completely in control.

4- What is Istanbulchain?

Turkey is a country that has signed excellent projects in the field of information and technology in recent years. Istanbulchain is a project of a Turkish team. It is a private Blockchain network of its own. It is an innovative project that provides convenience to its users by preparing products that support this network. By entering the international cryptocurrency exchange with \$IST (Istanbulchain Token), it aims to provide earnings to its users and enable them to invest with \$IST. Of course, this is only the basis of the project. Many innovative projects are being prepared within the scope of the Istanbulchain project. Most of them are in the Beta stage and final tests are being performed. All of them will be opened for use towards the last quarter of 2023.

4.1- Why Istanbulchain?

Because now it's time to make a new revolution in the Blockchain world! Istanbulchain Team has been working on this project for 6 years and has been doing a wide variety of tests. We decided to present the project in the first quarter of 2023 and started to receive sponsor and investor support from the most famous companies in the world from the very first months. Now users need to make transactions from more secure and innovative networks. Classical Blockchain networks have been used for years and we think that this should be improved now. In addition, other projects that we have developed depending on this project will also come to life in the near future.

4.2- How does Istanbulchain work?

Istanbulchain uses the EVM infrastructure and works on this infrastructure. You can create your own crypto projects through the Istanbulchain network. It is safe and faster. Istanbulchain is a distributed ledger technology that is used to record transactions and track assets. It works by creating a secure, decentralized database that stores a record of every transaction that occurs on the network.

When a transaction is initiated on the Istanbulchain, it is verified by a network of computers called nodes. These nodes use complex algorithms to validate the transaction and ensure that it is legitimate. Once the transaction is verified, it is added to a block and broadcast to all nodes on the network. This ensures that the data on the Istanbulchain is immutable and tamper-proof. Because the Istanbulchain is distributed across multiple nodes, it is also highly secure, as no single entity can control or manipulate the data.

In short; Istanbulchain works by creating a secure, decentralized database that records transactions and tracks assets. It is highly secure and tamper-proof, making it an ideal technology for a variety of applications, including finance, supply chain management, and more.

5- Istanbulchain Projects

We have completed most of our projects such as Istanbulchain Pay, Istanbulchain Fast Pay, Istanbulchain Exchange, Istanbulchain Miner and Istanbulchain NFT Platform. You can access the details of these projects on our website. We plan to open the unfinished projects to use by the end of 2023 at the latest.

- Istanbulchain Pay: With the application we have developed, we will be at your service with payment methods such as Physical POS, Virtual POS and QR payment via \$IST.
- Istanbulchain Fast Pay: With Istanbulchain Fast Pay, which will be launched with the Istanbulchain project, you will be able to make payments from your mobile devices and use it for your purchases.
- Istanbulchain Exchange: The final tests are being carried out for Istanbulchain Exchange, which will be launched first in Turkey and then all over the world. Very soon.
- Istanbulchain Miner: You will get big profits with Istanbulchain Miner, where miners can dig \$IST.
- Istanbulchain NFT Platform: You will be able to sell the NFTs you have prepared yourself via the Istanbulchain NFT Platform or buy the NFTs you want with \$IST.

6- Market and Competition

The Istanbulchain project is a project that is equipped and strong enough to cope with all the competitive conditions in this difficult market. Of course, it will take into account all the competition details in the sector.

Blockchain technology has revolutionized the way businesses operate, and its impact on markets and competition is undeniable. The Blockchain, also known as distributed ledger technology, is a secure and transparent way to record transactions and data in a decentralized manner. The market and competition within the Blockchain ecosystem are dynamic, and understanding them is crucial for businesses looking to leverage the technology's potential.

The Blockchain market is rapidly evolving, with new use cases emerging every day. From cryptocurrencies to supply chain management, Blockchain technology has the potential to disrupt various industries. The market is highly competitive, with numerous startups and established players vying for market share. The competition is not just limited to Blockchain-based companies but also extends to traditional players who are exploring Blockchain solutions.

One of the key drivers of competition in the Blockchain market is innovation. Companies are continuously developing new and innovative Blockchain solutions to stay ahead of the competition. This has led to the emergence of various Blockchain-based products and services, including cryptocurrency exchanges, decentralized finance (DeFi) platforms, and Blockchain-based identity solutions.

Another factor that influences competition in the Blockchain market is regulation. The regulatory landscape for Blockchain is still evolving, and different jurisdictions have different rules and regulations governing the technology. Companies that can navigate the regulatory landscape and comply with the regulations have an advantage over their competitors.

In addition to competition within the Blockchain market, the technology has also impacted competition in other industries. For instance, Blockchain-based solutions can increase transparency, reduce costs, and improve efficiency in supply chain management. This has led to traditional players exploring Blockchain-based solutions to remain competitive.

Despite the opportunities presented by the Blockchain, the technology also poses a threat to established players. For instance, Blockchain-based solutions can potentially disrupt intermediaries in various industries, such as financial services and real estate. Established players that fail to adapt to the changing landscape risk losing market share to Blockchain-based startups.

The Blockchain has revolutionized the way businesses operate, and its impact on markets and competition is significant. The Blockchain market is highly competitive, with companies continuously developing new and innovative solutions to stay ahead of the competition. The technology also poses a threat to established players, who must adapt to the changing landscape to remain competitive. As the Blockchain market continues to evolve, companies that can leverage the technology's potential and navigate the regulatory landscape will have a significant advantage.

7- What is EVM and How Does EVM Work?

The Ethereum Virtual Machine, or EVM, is the foundation upon which Ethereum's decentralized applications (dApps) are built. It is a powerful, sandboxed runtime environment that is designed to execute smart contracts written in Ethereum's programming language, Solidity. The EVM serves as a distributed computer that processes and executes code across a decentralized network of nodes. This means that dApps can run autonomously and securely without the need for a central authority.

7.1 - How does the EVM work?

The EVM is a virtual machine that sits atop the Ethereum network, acting as an intermediary layer between the Blockchain and dApps. When a smart contract is deployed on the Ethereum network, it is compiled into bytecode that can be executed by the EVM. The EVM uses a stack-based architecture, where each instruction is executed by pushing and popping values from a stack. This allows for efficient and streamlined execution of code, while also reducing the complexity of the codebase.

It is designed to be deterministic, meaning that the same input will always produce the same output. This is essential for ensuring the integrity and reliability of smart contract execution across the network. One of the key features of the EVM is its gas system. Gas is a fee that is paid in Ether (Ethereum's native cryptocurrency) to compensate nodes for processing smart contract transactions. Each operation in the EVM requires a specific amount of gas, and if a transaction runs out of gas before completion, it will be reverted, and any changes made to the Blockchain will be discarded. The gas system serves two important purposes. Firstly, it incentivizes efficient and optimized code, as each additional operation will require more gas and therefore cost more to execute. Secondly, it provides a measure of protection against malicious code, as any attack that consumes too much gas will be automatically stopped.

7.2- Advantages of the EVM

The EVM offers several advantages over traditional computing systems. Firstly, it is completely decentralized, meaning that there is no central point of failure or control. This makes it more resistant to censorship, hacking, and other forms of malicious activity.

Secondly, the EVM is highly scalable, as it can execute code across a large network of nodes in parallel. This allows for high throughput and low latency, even under heavy network loads.

8 -Token Launch

8.1- Tokenomics

We have produced a total of \$ 100 million IST. We will sell only 10% of it, we are not planning to sell 90% of it. We will distribute some of it to the miners. This figure will increase by 10% according to the project requirements

9 - Staking

We are doing Staking planning for \$IST. We will be making this announcement on our website soon.

10- Roadmap

Q1 2023

- Launch of \$IST Tokens
- Launch of Istanbulchain Project Website
- Presale – 3 Stages
- 25,000 Members on Telegram
- Community Marketing Fund
- Marketing Campaign
- Auditing

Q2 2023

- 35,000 Holders
- Listing on Coin Gecko and Coinmarketcap
- Marketing campaign with connect to multiple renowned Authors in the world

Q3 2023

- Expanding Istanbulchain
- Launch level 1 of the Istanbulchain NFT Platform
- Initial Listings on the CEX
- 65,000 Telegram Members
- 50,000 Holders

Q4 2023

- Istanbulchain Token Collection (Wallet and Passive Income Tracker)
- Istanbulchain Token Merchandise Store
- 5 More CEX Listings
- 250,000 Telegram Members
- 1,000,000 Holders
- Influencer Marketing Partnerships

11- Istanbulchain Project Team

- CEO: Serkan ÇAKMAK
- Chief Strategy Officer (CSO): Ali AŞÇI

12– Partners & Investors

We are receiving support from powerful and famous companies around the world for the Istanbulchain project. Below we share the information of some of our sponsors and partners. If you would like to participate in this project as a sponsor or investor, please contact us immediately.

13- Security

Introduction

Security is a crucial aspect of any Blockchain project. With the increasing popularity of Blockchain technology, the number of threats to Blockchain security has also increased. Therefore, it is essential to ensure that proper security measures are in place to protect the integrity, confidentiality, and availability of the Blockchain system. This security file outlines the security measures implemented in the Blockchain project and provides an overview of the security risks and controls in place.

Threats to Blockchain Security

Blockchain technology faces various security threats, including:

51% Attack: A 51% attack happens when an attacker gains control of more than 50% of the network's computing power. With this control, the attacker can rewrite the Blockchain's transaction history, double-spend, or prevent new transactions from being verified.

Sybil Attack: A Sybil attack occurs when an attacker creates multiple fake identities or nodes to gain control of the network. The attacker can use these identities to influence the network's decision-making process, which can lead to a breakdown in consensus.

Denial of Service (DoS) Attack: A DoS attack is when an attacker overloads the network with traffic or requests to disrupt the system's operation. This type of attack can cause the Blockchain to slow down or stop completely.

Malicious Smart Contracts: Malicious smart contracts can be used to exploit vulnerabilities in the Blockchain network, leading to the theft of funds, loss of data, or other malicious activities.

Security Measures

To mitigate these security risks, the Blockchain project implements the following security measures:

Consensus Algorithm: The Blockchain project uses a consensus algorithm that is resistant to 51% attacks. The consensus algorithm is designed to make it difficult for attackers to gain control of the network by requiring a significant amount of computing power to do so.

Node Identification: The Blockchain project implements a node identification process that prevents Sybil attacks by ensuring that each node in the network has a unique identity.

DoS Protection: The Blockchain project implements DoS protection measures that prevent attackers from overloading the network with traffic or requests. These measures include rate limiting, traffic filtering, and other techniques.

Smart Contract Auditing: The Blockchain project conducts regular smart contract audits to identify and mitigate vulnerabilities in the system. The audit process involves a thorough review of the smart contract code, testing for potential exploits, and remediation of any issues found.

Encryption: The Blockchain project uses encryption techniques to protect the confidentiality and integrity of data stored on the Blockchain. All transactions and data stored on the Blockchain are encrypted using industry-standard encryption algorithms.

Access Controls: The Blockchain project implements access controls that restrict access to sensitive data and system functions. Access controls are implemented using role-based access control (RBAC) and other authentication and authorization mechanisms.

Monitoring and Alerting: The Blockchain project monitors the system for suspicious activity and generates alerts when potential security incidents are detected. These alerts are sent to the security team for investigation and remediation.

Disaster Recovery and Business Continuity: The Blockchain project implements disaster recovery and business continuity measures to ensure that the system can recover from any security incidents or disruptions. These measures include backup and restore procedures, redundant systems, and failover mechanisms.

Security Controls

The Blockchain project implements the following security controls:

Identity and Access Management: The Blockchain project implements a robust identity and access management (IAM) system that ensures only authorized personnel can access the system. IAM includes user authentication and authorization, RBAC, and other access control mechanisms.

Network Security: The Blockchain project implements network security controls that protect the system from unauthorized access, data interception, and other network-based attacks. These controls include firewalls, intrusion detection/prevention systems (IDS/IPS), and other network security mechanisms.

Physical Security: The Blockchain project implements physical security controls that protect the system's physical infrastructure from unauthorized access, theft, or damage. These controls include access controls, surveillance systems, and other physical security measures.

Data Security: The Blockchain project implements data security controls that protect the confidentiality, integrity, and availability of data stored on the Blockchain. These controls include encryption, data backup and restore, and other data protection mechanisms.

Incident Response: The Blockchain project implements an incident response plan that outlines the procedures for responding to security incidents. The plan includes procedures for detecting, containing, and remedying security incidents, as well as reporting and communication protocols.

Training and Awareness: The Blockchain project provides security training and awareness programs to all personnel involved in the project. The training and awareness programs cover security best practices, incident response procedures, and other security-related topics.

Third-Party Risk Management: The Blockchain project implements third-party risk management controls that ensure the security of third-party vendors and partners. These controls include due diligence, contract management, and other vendor risk management mechanisms.

Conclusion

In conclusion, security is a critical aspect of any Blockchain project. The Blockchain project implements various security measures and controls to protect the system from security threats and risks. These measures include consensus algorithms, node identification, DoS protection, smart contract auditing, encryption, access controls, monitoring and alerting, disaster recovery and business continuity, and others. Additionally, the project implements security controls such as identity and access management, network security, physical security, data security, incident response, training and awareness, and third-party risk management. By implementing these measures and controls, the Blockchain project can ensure the integrity, confidentiality, and availability of the Blockchain system.

14- Legal Disclaimer

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No Representations or Warranties

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Project does not warrant that the Project will be uninterrupted or error-free, that defects will be corrected.

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The Project may modify this Disclaimer at any time without notice. By continuing to use the Project after any modifications to this Disclaimer, you agree to be bound by the modified Disclaimer.

Governing Law

This Disclaimer shall be governed by and construed in accordance with the laws of the jurisdiction in which the Project is located. Any legal action arising out of or in connection with this Disclaimer shall be brought in the courts of such jurisdiction.

Entire Agreement

This Disclaimer constitutes the entire agreement between you and the Project regarding the use of the Project and supersedes all prior or contemporaneous communications and proposals, whether oral or written, between you and the Project.

If you do not agree to this Disclaimer, you may not use the Project.

15- Contact

You can send us all your questions and suggestions about the Istanbulchain project. In addition, investors who want to sponsor the project can also contact us. We will gladly answer all your questions you are wondering with this innovative world. You can also use the contact form on the contact page of our website. Here are our communication channels where you can reach us:

E-mail: hi@istanbulchain.com

Twitter: <https://twitter.com/istchain>

Instagram: <https://www.instagram.com/istchain/>