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WHITEPAPER

Introduction

During the crypto cycle of 2020/2021 DeFi has started and continued its strong rise and ended with Bitcoin reaching its new all-time highs. At first decentralized finance aimed to compete with the original cryptocurrency. But soon enough DeFi became a logical and intuitive tool for using the main advantages of blockchain technology to improve, develop and vertically optimize any area introducing this technology.

Secured by programmatic integrity and free from government encumbrances, DeFi can oust the real financial sector, and also ensure transparency in every industry where blockchain technology is applied. While conducting an in-depth study of the technology and the field today, we've noticed that many projects have simply moved away from the core values underlying the technology and focused on speculation.

Realizing the disadvantages of blockchain and DeFi in particular in relation to the real economy (such as transaction costs and high entry threshold for both individuals and businesses), we decided to take a step towards improving, optimizing and sometimes even completely overhauling the crypto projects already in operation.

To fully demonstrate the effectiveness of our methods and show the advantages over classic blockchains, we've launched ANI. ANI is a high-transaction mini-meta universe within a single application. It's built on smart contracts, non-fungible tokens and a new technology that is already being referred to as "Web 3.0".

ANI is a pure functional demonstration. It creates the base for future integrations of all human life areas, complementing and extending token functionality for new, more complex and demanding apps, including user and business tasks.

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Problems we solve

Here are the main user difficulties with blockchain and DeFi, and our project is developed to solve these issues in the first place:

- High clutter and low performance compared to non-blockchain solutions.
- The high maintenance and high transaction costs of DeFi as a subset of other blockchains, with the consequence that the application of DeFi as a technology is limited to speculative tools and a limited set of the same technologies.
- A relatively small number of high-end blockchain specialists and high volatility, resulting in a high entry threshold into the crypto industry for the real economy sectors, particularly SMEs.
- Increased requirements to the user, appearing due to the reduced responsibility of crypto projects. As a result, it leads to deterioration of the user experience.

Besides helping to overcome the barriers that blockchain is rich with, ANI is aimed at creating a multi-platform, multi-chain framework for a feature-rich future and fully addressing the challenges described above through a wide range of tech and functional solutions.

This whitepaper describes a system that strives to combine the speed, low cost and technical security of conventional solutions (AWS, Google Cloud, Azure, etc.) with familiar and tested blockchain solutions (Bitcoin, Ethereum, Tron, etc.) and the best optimization practices like SaaS Smart Contracts.

ANI prioritizes decentralization and security, without neglecting, but improving the concepts of classic economic practices connecting real and crypto markets. Our goal is to improve the processes of all cryptocurrency markets, including a complete rethink of DEX, and opening access to a broad list of stablecoins and other financial tools without borders or mediators.

There's no doubt that innovative decentralized financing protocols are already being scrutinized by institutional investors and have incredible potential, but there still is a lack of technological development and innovation.

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Benefits of ANI solution

Our infrastructure aims to optimize new project launch processes, so there's no need to reinvent the wheel anymore. With our redefined approach to development, deployment and architecture, you can expect the processes to be more efficient and achieve better results.

There's a number of challenges most blockchain developers face. It's hard to make the best decisions when building infrastructure in an environment of limited efficiency and given external constraints. This is exactly what leads devs to compromise and generate more hard forks, processing and other options that are often unable to meet the needs of the evolving and growing industry.

At the same time, older blockchains are simply not tailored to meet applications' specific needs and purposes.

High compatibility

ANI being backward compatible with other open protocols, reflecting the ecosystem's flexibility. This way ANI's unquestionable ambition strikes a balance between security, efficiency, speed, and scalability. Now you are free to rethink your approach to interacting with data. Security is one of the highest values for DeFi users. We've been tackling this issue since the beginning of our protocol, focusing on top-level security and constantly striving to improve it.

High transaction speed

Transaction speed is one of the metrics ANI can be proud of, same for blockchains built on it's infrastructure. Update frequency, assessment and testing of critical bugs and vulnerabilities are essential as well. Unlike old blockchains with tight transactional throughput capacity, ANI has an adjustable framework. Based on flexible queuing, horizontal and vertical scaling, it allows you to scale your network to almost infinity.

High levels of security and fault tolerance provided

Old blockchains take full responsibility for their network's security. It is most often limited by size: the smaller the network, the more vulnerable it is to cyber attacks. ANI's architecture is built to prevent the 51% attack from happening.

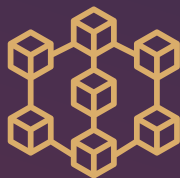
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Our ecosystem not only solves the issues of old blockchains, but also integrates them into a unified secure network with near-zero attack risk attached. Of course, integrating with other blockchain networks or open protocols is optional. Often starting with a standalone network, many entrepreneurs and developers return to ANI's cross-network connections as they evolve.

The flexibility of our solutions helps you meet the challenges that existing blockchains face and build a blockchain tailored to your needs. Openness and scalability are key success factors for it. So our solution can provide endless possibilities for developers, entrepreneurs and visionaries.

ANI's architecture aims to be compatible with all open protocols and connect multiple blockchains into one unified network. A high level of customization and personalization lets us produce effective highly precise solutions.

ANI is everything you need for development within the blockchain ecosystem, no matter what your goal is or what project you want to implement in the future. With ANI's high-tech solutions at hand, you can leave the tech side to our team and fully focus on your own business at last.



Fast, efficient and scalable databases

Data processing and storage carry a certain cost for many projects. Distributed and scalable databases with high responsiveness and integrated PoS and PoC trust systems are protecting and securing data to avoid fraud or data tampering. And flexible and scalable solutions are provided to reduce potential costs through the most efficient approaches to data storage, processing and preservation.



Modular and scalable P2P solutions

Sooner or later every infrastructure faces the scaling issue and needs to refactor the underlying solution architecture. Save yourself from potentially high costs in the future by integrating and developing your own solutions based on our flexible and scalable infrastructure.

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Scalable transactions

When most fault tolerant systems fail due to an influx of users, our ecosystem is able to maintain the flow of endless transactions. Using distributed processing power and consensus algorithms, ANI reduces resource consumption as user activity on the network decreases and performs similar operations automatically.



Flexible custom libraries

All components are adaptable and have a full range of customization options. Flexible libraries let you create the most detailed and most elaborate blockchain applications. Individual components help customize and personalize each user experience and ensure smooth integration in all areas.



The true benefits of Web 3.0 within blockchain

Web 3.0 is an integrated all in one multi-chain meta-network in one place. It's a flexible platform that can be found as a balanced addition to multiple processes and technologies, as well as a tool completely redefining them. A cross-border network that brings attendees altogether to the limitless possibilities and takes the quality of networking and collaboration to the next level.

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Areas of application

Application development

Perfect work environment for developers, enabling the creation of in-depth, feature-rich blockchain applications that meet the most demanding requirements for data stability and security. Financial systems. Less links in the customer credit and debit card processing chain.

Payment systems

in classic ones your assets go through a chain of regulators and go-betweens, which brings corresponding costs. Thanks to innovative blockchain technology, now you have the ability to receive and control your and your clients assets directly. Caring banking is the next level of service, trust and security.

Our solutions are mainly attractive because they deliver real ownership of digital assets and direct benefit from it. Blockchain decentralization technologies made it all possible.

Our team keeps in touch with financial systems professionals from around the world. The goal is to use ANI as the foundation for creating national CDBC's. The real economy can truly benefit from what ANI has to offer: liquidity management tools; increased transaction speed; ease of adopting and deploying infrastructure.

Retail

Retail. Our drop-in solutions technology for retail business enhances sales development delivering transparency and full visibility of the supply chain, costs and revenues, eliminating business bottlenecks and external data manipulation. It allows the retailer to provide direct-to-consumer sales. Off the shelf solutions integrated directly into business processes let technological capabilities and optional transparency increase your customer loyalty and business performance.

Travel

Blockchain-enabled technologies can improve scalability and reach for the travel industry. By integrating travel sectors into a single non mediated infrastructure, potential profits increase and potential losses due to intermediaries decrease. Cryptography technologies with implemented smart offers and discounts deliver improved customer experience and personal data security, which allow full automation of all business processes.

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Production

Real-time full control of all processes. Once the entire supply chain of goods is transparent and visible to customers, suppliers and manufacturers, the latter will gain consumer confidence in their products and ecosystems. That's why current distributed supply chains need a system that enforces security standards for all parties with access to a full set of product history data.

Game development

Cross-platform applications and solutions that unlock the full potential of in-game blockchain technology. Blockchain-based games reward users with tokens. And since the tokens have value, players can use them in the game or exchange for real cash. Developers are willing to pay not only for game results, but also for the fact of participating, performing certain actions, developing add-ons, and installing software.

ANI's flexible infrastructure can be integrated into any area or business process. Intellectual property rights, fair and open registries, NFT and more. The sky is the limit.

Our Vision

With multichain engine at our core, we aim to improve all existing solutions by integrating them into a single ecosystem. As a unified ecosystem ANI helps entrepreneurs turn the most daring ideas into reality and developers suggest the most elegant blockchain solutions based on application-specific requirements.

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About us

Our team is made of blockchain pioneers and enthusiasts, the crypto industry veterans experienced in working with the real economy and consumers.

Professional developers, analysts and security experts teamed up to solve practical issues and follow our mission - 'Technology should be tailored to Human needs'.

This very statement defines each and every solution and implementation we make. ANI team embraces a shared vision that everyone should have access to the most suitable and delightful technological solutions. According to this vision, developers can entirely focus on solving product related business problems, instead of constantly recreating and rewriting the same patterns.