

Decentralized Finance (DeFi) Solution

DeFiner: a decentralized crypto lending platform that is powered by smart contracts developed in-house by N&T Labs expert team

Aves Lair

Blockchain & AI Accelerator

DeFi Market Overview

What is DeFi?

Decentralized Finance, also known as Open Finance or “DeFi”, refers to traditional financial instruments that are recreated on a decentralized network. In technical terms, DeFi means a particular financial instrument that is composed of digital assets, protocols and decentralized applications built on a blockchain network with smart contracts. For the time-being, most DeFi products are platforms utilized for digital asset savings, loans and payments.

DeFi Market Size

In the past few years, DeFi has become a one of the fastest growing sector in the blockchain community. By August 14, 2020, the total locked value of DeFi projects (TVL) had reached 5.89 billion U.S. dollars, and the total market value of DeFi had reached \$14,91 trillion.

Reasons behind the booming DeFi industry:

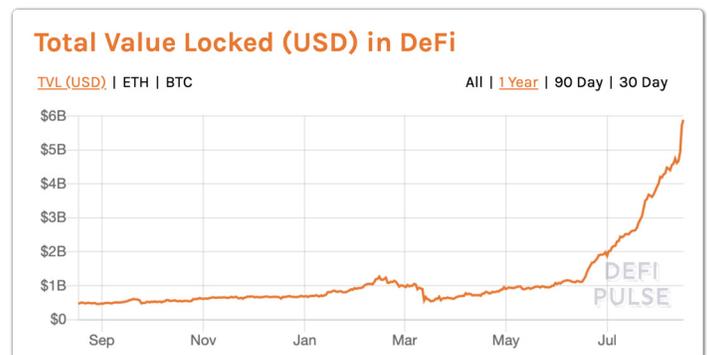
Huge potential market

Most DeFi projects are offering services that are very similar to traditional financial instrument except the fact that users are dealing with digital currencies instead of legacy assets.

The market DeFi caters to has existed for a long time, and the potential market is expected to be huge with the wider adoption of digital currencies.



Data Source: [Coingecko](#)



Data Source: [DeFi Pulse](#)

Enhance market liquidity

The DeFi protocol engages real assets, despite the fact that they are digital assets, they are still the collateral to secure the loan. Just like how traditional lending works, digital asset lending has largely increased the market liquidity.

Inflationary impact

Affected by the global epidemic, we are expecting a worldwide currency inflation. The situation has greatly stimulated investors' interest in digital assets such as Bitcoin or Ethereum, because their anti-inflation characteristics like gold. It's predictable that inflation will further promote the adoption of digital currencies and thus the blockchain technology.

Current finance industry pain points:

Inefficiency

Centralized financial systems are high-volume and involves a lot of manual processing which leads to huge amount of friction and cost.

Fraud and other financial crimes

Centralized financial systems are vulnerable against technical failures and cyber-attacks.

How can DeFi solve these problems?

The decentralized, non-tampering and data-encrypted characteristics of blockchain can largely increase the security and audibility of a Defi product.

The key to solving these problems, however, is **smart contracts**. A smart contract is a computer protocol intended to digitally facilitate, verify, or enforce the negotiation or performance of a contract. It's a set of instructions to be automatically executed on a blockchain network.

Advantages of Smart Contracts

Efficiency

The implementation of smart contracts makes the DeFi platform a standardized ecosystem. The costs of negotiation and agreements will be greatly reduced. Its automated features also help reduce transaction times and unnecessary manual processing.



Smart contracts can automatically authenticate counter party identities, ownership of assets and claims of right.



Smart contracts can automate execution processes based on given information.



Smart contracts can access or refer to outside information such as commodity prices, weather, dates, interest rates, etc. to determine actions and/or contractual outcomes.



Smart contracts will take actions (disperse payment) without requiring further action by its counterparts.

Security

Implementation of smart contracts makes decentralized finance systems highly secured and audible.



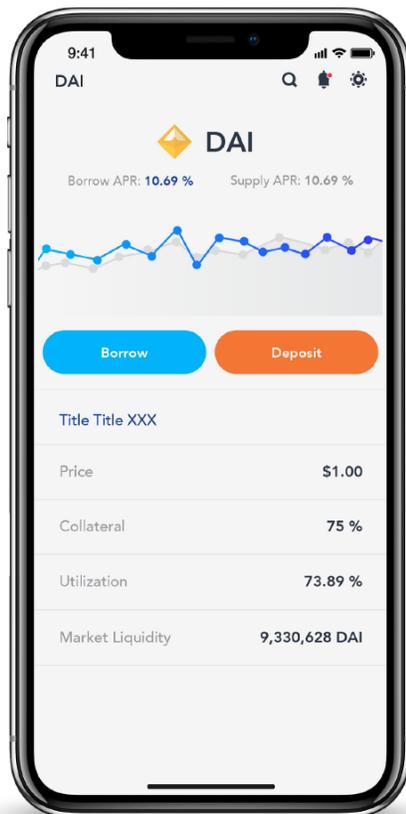
Every transaction completed via a smart contract is encrypted and stored on a immutable distributed ledger.



Every user has a unique digital signature, a private cryptographic key held by each party, to verify participation and consent to agreed upon terms.

Use Case I DeFiner

DeFiner App



About

[DeFiner](#) is a peer to peer network for digital asset savings, loans and payments based in Minnesota. Currently, DeFiner offers a decentralized, non-custodial lending marketplace to securely borrow and lend digital assets through smart contracts on the blockchain.



FINTECH

Overcoming DeFi's Challenges and Providing Solutions in an Economic Crisis

PUBLISHED
Guest Contributors

PUBLISHED
APR 29, 2020 1:35PM EDT

By Jason Wu, CEO of DeFiner.org

DeFi, or decentralized finance, aims to disrupt the current financial system by providing new solutions on a public blockchain. DeFi is reshaping existing traditional financial systems, which are defined by centralization, and allowing people to interact directly on decentralized, secure, and transparent protocols. The movement's very nature takes the issue of trust out of the hands of humans and uses the code it runs upon to create total security. By using blockchain technology, single points of failure are eliminated as the data is recorded instantly and spread across thousands of nodes, making malicious attacks or corruption nearly impossible.

[Read more](#)

Solution

DeFiner’s decentralized platform is powered by audited smart contracts developed by N&T Labs’ professional team for full security, automation and transparency.



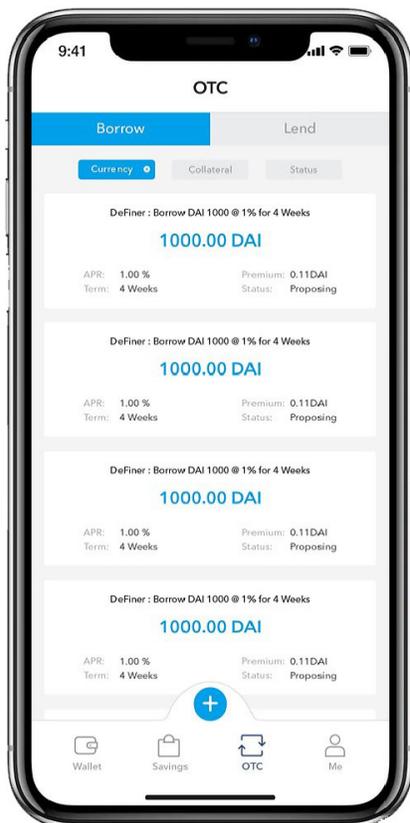
Audited smart contracts

DeFiner Protocol is developed with security as a priority, having been audited by multiple auditors. The carefully crafted design will effectively avoid the single point of failure problem, improve the reliability and accessibility of the network and significantly increase the difficulty of cyber-attacks.



Autonomous lending agreements

The DeFiner protocol is implemented as a set of smart contracts on top of the Ethereum blockchain. Loan contracts on the DeFiner platform are automatically created and executed. No middleman is required, and custodial risks are eliminated. Once the contracts are deployed, users’ assets will be stored on the blockchain within the smart contract. The DeFiner team neither has the ability to spend funds that are held in the smart contract, nor does the team control how to resolve, approve or reject loan offers or requests, nor can they undo, modify or cancel loan agreements etc.



DeFiner App



Smart Contract-Based Governance System

The DeFiner token holders can perform the governance role automatically through a smart contract-based voting mechanism.

About

Nestled in the SoHo district of Manhattan, the Aves Lair Accelerator program is a carefully crafted collaboration between Lair East and Nakamoto & Turing Labs.

Aves Lair is dedicated to supporting and ushering in a new wave of blockchain & A.I. applications and founders with a focus on compliance, track record and longevity. We provide a wide range of customized services to startups and entrepreneurs with investments, training and a global network of resources that are thoroughly dedicated to creating a thriving atmosphere for all pioneers within our ecosystem.

Contact

Website: <https://aveslair.com/>

Email: mgmt@aveslair.com

Address: 424 Broadway #602 | New York, New York, 10013

Aves Lair

Blockchain & AI Accelerator