

An abstract graphic composed of a complex network of thin, grey lines. The lines intersect at various points, creating a web-like structure. At several of these intersection points, the lines converge and form a mesh-like, spherical or nodal structure, resembling a neural network or a molecular structure. The background is white, with several small, solid grey circles scattered throughout, some of which appear to be nodes or data points. The overall aesthetic is technical and futuristic.

vos.ai

primer

.....

Preface

VOSAI will be a democratically controlled artificial general intelligence (AGI) for image classification and contextualization as well as a natural language processing (NLP) (for starters!) running on a decentralized network of computers (World Computer).

VOSAI WILL TALK JUST LIKE US AND DESCRIBE WHAT IT SEES IN IMAGES.

VOSAI will leverage the “World Computer” as follows:

- You don’t need to be a data scientist or AI expert to use it, you’re a few simple API calls away from image analytics and natural language communication
- Enterprise-ready, with multiple customers in queue
- Miners maximize earning potential processing machine learning (ML) algorithms on their rigs rather than generating random hash codes to secure the network
- Learning and growing autonomously backed by a compendium of knowledge on PATHWAY
- PATHWAY (our blockchain) is accessible to all unlike AI solutions hailing from tech giants

Token Economic Highlights

- Pro-rata profit sharing for SAFT investors
- Vesting schedules ranging from 12 months to 36 months
- Discounts ranging from 10% to 30%
- Exchangeable on public exchanges upon ICO

Token Sale Highlights

- Private Presale - select accredited investors
- Public Presale - worldwide accredited investors
- ICO - general public sale

THE FOLLOWING SECTIONS IN THIS DOCUMENT PROVIDE FURTHER CONTEXT ON THE PREVIOUS INFORMATION. FOR DETAILED TECHNICAL INFORMATION WE ASK YOU TO REFER TO OUR WHITEPAPERS RATHER THAN THIS PRIMER.



Overview

The goal of the VOSAI is to build protocols, systems, and tools to provide an artificial general intelligence applicable to any domain. Founded in 2018 by Daniel Rodriguez and Jorge Puignau, we are overseeing the R&D of VOSAI. We intend to implement VOSAI based on open-source technologies and systems. VOSAI will be established as the long-term governance body for the VOSAI technology. VOSAI will seek to grow an open ecosystem for decentralized processing power, while giving developers an open and sustainable platform to build, enhance and monetize.

What we do

The applications of VOSAI revolve around understanding the real world. VOSAI is applicable to multiple industries including Construction, Agriculture, Law Enforcement and Infrastructure.

In a world that's ever growing in population, the demands on our food production are strained. Diseases, illnesses, infections and wasteful methods are all problems farmers face. VOSAI aids them in detecting these issues ahead of time by consuming real world data (e.g. images) of farms and distilling them down to actionable results (e.g. trees infected with disease).

With this growth comes more problems. Where are these people living? Where do they work? How much strain are we putting on our environment? This is a very real problem. There is not much that can be done about the growth in population. However, we can improve construction by minimizing waste as much as possible. To minimize waste, we focus on the rework performed per project which is 5-10% of a project size. VOSAI abates this by distilling terabytes of imagery down to actionable results. Meaning, it can inform field engineers of errors as they occur (i.e. "pipe 123 is off by 2.5 cm"), or prevent them from happening in the first place by providing distilled reports to project teams with instructions on how to proceed with the build based on the previous day's progress.

VOSAI has a list of clients in queue, with Animusoft first in line to leverage the technology for its customers in the construction and farming industries, which has developed and validated a market for this technology over the last few years.



Introduction

VOSAI will be an AGI designed to operate on a decentralized network of computers (e.g. world computer, fog) powered by the PATHWAY blockchain and VOSAI token designed for machine learning (the “VOSAI Network”). The objective of the VOSAI Network is to unlock existing unused decentralized processing power otherwise wasted on other blockchains to meet the growing demands of tomorrow.

Our goal is to make VOSAI the leading mechanism for using and selling cloud (fog) based, underutilized processing power designed for machine learning on devices throughout the world. By leveraging the world computer for decentralized instruction processing and distribution with new inventions for blockchain verification and reward to be conceived by VOSAI and implemented through 3rd party service providers, we have the ability to build a network that is more efficient, resilient and cost effective as compared to today’s centralized cloud computing organizations.

Why VOSAI?

- **Misused / underutilized world computer processing power.** More processing power will be required than ever before due the growing demands of machine learning and computer vision systems which often are used to back systems like VOSAI. As the processing power innovations advance, VOSAI has the potential to create a market that can utilize this newfound, unused computer processing power residing throughout the world. With the additional supply leveraged by VOSAI, this could eventually drop the price of processing power used for machine learning while meeting the growing demands.
- **Decentralization creates better networks.** VOSAI leverages PATHWAY, a peer-to-peer machine learning blockchain. Each node within the blockchain serves as a learned context for the AGI which is instantly available to all network users. Each entry has a unique fingerprint called a hash which is unique to the context of the entry. Indexing contexts by hash allows us to find and distribute high volumes of contexts with high efficiency, and fault tolerance. The peer-to-peer network can rebalance and recover in response to events which can keep the data safe and flowing.
- **VOSAI is a token related to fundamental value.** The VOSAI token will be the native token of the VOSAI Network, similar to Bitcoin and Ethereum. Today’s most valuable blockchains use wasteful proof-of-work consensus for the mining process. As currently envisioned, in the VOSAI Network, miners will earn VOSAI tokens by providing useful and valuable computer instruction processing to solve actual problems, rather than complex mathematical problems that are useful only to the network. The goal is for VOSAI tokens to eventually be stored in cryptocurrency wallets and freely transacted as users see fit.

Additional information is available in the technical white papers published at <https://vos.ai>

Copyright 2018 VOSAI, Inc. Confidential and Proprietary. All Rights Reserved.

[VOS.AI](https://vos.ai)



Ecosystem

VOSAI, Inc. goal is to engage key VOSAI ecosystem (the “VOSAI Ecosystem”) stakeholders by offering certain benefits to clients, miners (learners), partners and vendors.

- **VOSAI for Clients.** VOSAI, Inc. envisions VOSAI as offering a decentralized machine learning compute platform solution with advantages over today’s cloud-based computing options, including the possibility of lower costs, end-to-end encryption at rest, redundancy, self-healing and resilience to some kind of failures and attacks. Furthermore, VOSAI, Inc. plans to allow clients to tune performance of AGI interactions to suit their needs in order to keep up with the demands of their business. For example, clients with large volumes of images may need to process this imagery rapidly in bulk in which case they may optimize for speed of processing. Clients will be able to send requests to the VOSAI Network with the desired performance metrics and other parameters and pay for the computation of the request.
- **VOSAI for Miners (learners).** Miners, or learners, will be the core service providers of VOSAI. VOSAI, Inc. ’s plan is for learners to use the VOSAI software to process machine learning requests ultimately mining new blocks on the chain, validating mined blocks between transactions, propagating blocks between chains and ultimately producing results on chain for clients and other miners to leverage. The VOSAI Network is designed to reward participants for such services in the form of VOSAI tokens. The VOSAI Network is designed to reward participants at multiple levels – from large scale data centers to local entrepreneurs with mining rigs that cover the last mile. Moreover, it rewards those that innovate upon hardware and software components which can be leveraged by the VOSAI miner software. Once the network launches, VOSAI, Inc.’s goal is for VOSAI to be freely transacted, allowing miners to retain tokens or exchange them for other currencies like ETH, BTC, USD, EUR and more.
- **VOSAI for Partners and Vendors.** The VOSAI Network will seek to yield opportunity for additional parties in the machine learning and computer vision ecosystem. We believe that VOSAI may drive additional demand for processing units and algorithmic developments in the AI ecosystem. Furthermore, VOSAI, Inc. envisions a scenario where VOSAI mining software will come pre-installed on computer systems, creating a new class of devices optimized for the VOSAI Network. VOSAI, Inc. plans for ISPs, cloud providers, research organizations, and educational institutions may participate both as miners and as vendors to other miners.

VOSAI IS BUILT UPON PATHWAY AND ITS NETWORK OF LEARNERS

- The PATHWAY blockchain is the next-generation protocol for machine learning developed by VOSAI, Inc. that seeks to make machine learning transparent, secure, private, safer, decentralized and permanent. PATHWAY leverages hybrid data stores based on graphs, documents and key/value mechanisms, Alive, to meet the demands and needs of the drone/robotics industry when used in various sectors. Based on VOSAI, Inc.’s own internal

Additional information is available in the technical white papers published at <https://vos.ai>

Copyright 2018 VOSAI, Inc. Confidential and Proprietary. All Rights Reserved.

[VOS.AI](https://vos.ai)

monitoring and analysis, over 1TB of information is gathered by singular robotic platforms monthly by everyday organizations. This information includes telemetry data, audio, video, imagery and other sensory data for these platforms which require extensive processing in order to produce actionable results such that it removes additional work from organizations and only providing them the key insights they need from the real world.

VOSAI IS MADE POSSIBLE BY COMBINING PATHWAY WITH
BREAKTHROUGHS FROM VOSAI, INC.

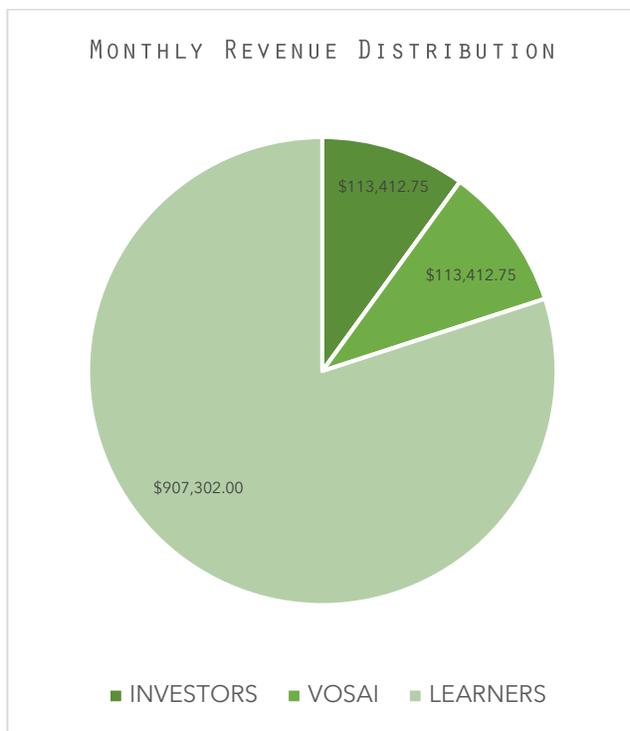
- As part of VOSAI, VOSAI, Inc. has developed a unit of work (UoW) and quality of work (QoW) which collectively determine the effectiveness of a miner's computational infrastructure. Together, this enables miners - the active nodes in the network providing the computational power to the clients—to do useful work while mining tokens.

THE UNDERLYING GOAL OF VOSAI, IS TO CREATE SOLUTIONS
THAT SOLVE THE MOST DIFFICULT CHALLENGES WITHIN
INDUSTRIES THAT ARE INSTRUMENTAL TO OUR SOCIETY SUCH
AS AGRICULTURE, CONSTRUCTION, MEDICINE AND SECURITY.

VOSAI Structured Revenue Example

The intent of this section is to illustrate how VOSAI generates revenue. The focus of this document is to demonstrate not only the revenues but also how Token Holders receive royalties and Learners earn tokens. This is only an example and is not exact.

- A Token Holder is an accredited investor that took part in a Presale of VOSAI Tokens. (SAFT Investors)
- 10% of revenues distributed to SAFT Token Holders as a royalty
- A Learner analogous to a miner in other blockchain platforms.



Acme Co. Subscriptions	6490
VOSAI Data In / Month	1,635,480 GB
VOSAI Data Out / Month	51,920 GB
VOSAI Monthly Revenue	\$1,134,127.50
Royalties to SAFT Holders	\$113,412.75 / monthly

The following assumptions used to demonstrate this structure:

1. Acme Co. is a future client of VOSAI
2. Acme Co. requires VOSAI for its customers
3. Acme Co. uses VOSAI tokens to access VOSAI AGI
4. Acme Co. has 6490 subscribed clients (subscriptions)
5. Each subscribed client requires 260GB of image processing monthly
6. Of the 260GB per client, approximately 252GB flow in and 8GB flow out of VOSAI
7. Acme Co. will be paying approximately \$174.75 per subscription per month to VOSAI in the form of VOSAI tokens

.....

Team

The team building VOS.AI is a passionate multi-cultural group of people hailing from various regions of the globe who have an always-on, always-learning mindset. We think big, fail fast and have fun while doing it. We challenge traditional models and believe that "nothing is impossible," which brings out the best in people and allows for the kind of free thinking that changes the world.

Executives



DANIEL RODRIGUEZ
CEO & FOUNDER
VOSAI



JORGE PUIGNAU
COO & FOUNDER
VOSAI



STEVEN MCKEAN
ADVISOR
BILLSHARK



ADAM SMITH
ADVISOR
MEDINA CAPITAL



ARLENE GREEN
CORP. DEV.
IBM



CHARLES LOPEZ
INVESTOR
MERRILL LYNCH



ROLANDO ESTRUGO
ADVISOR
US NAVY



TIM TILSON
VP OF MARKET
DEVELOPMENT



PAUL BEIRNE
VP OF
ENGINEERING



ERNESTO PINAL
COMPUTER SCIENTIST



KAREL ALVAREZ
COMPUTER SCIENTIST



DIDZAN ORO
COMPUTER SCIENTIST



FRANK GONZALEZ
COMPUTER SCIENTIST



LEO MENDOZA
COMPUTER SCIENTIST



YUDISBEL PEREZ
QUALITY ASSURANCE



KALYN LENGIEZA
COMMUNITY MANAGER



KATERYNA GONTARUK
UI / UX DESIGN

Additional information is available in the technical white papers published at <https://vos.ai>

Copyright 2018 VOSAI, Inc. Confidential and Proprietary. All Rights Reserved.

[VOS.AI](https://vos.ai)