A Tokeneconomic Model for Democratizing AI

Everything Grows From SEED

Blue Paper 1.1
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seedtoken.io
t.me/seedtoken

Contents

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Overview

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Overview

The SEED Token is a virtual currency for an open AI marketplace. SEED tokens are used as a network token within the SEED Platform in order to authenticate conversational interfaces and enable conversational agents ("bots"), components, and services to be licensed by developers and deployers. The token is a means of allowing people to enter a knowledge economy in which information is compensated via bots as a medium of knowledge transfer.

Conversational systems come in many forms and necessitate the licensing of not only functional data but content and technical connective tissue. The token manages the value transfer between these various assets and members.

The SEED Token is a **Utility Token and Work Token**

The SEED token, bot store, wallet, proof-of-concept and community development require significant resources to develop, distribute, manage, and grow. While there are substantial repositories and source libraries from which we are drawing, Seed Vault Ltd. has additional work developing, deploying and documenting the required network and blockchain framework. This includes the client software, user interfaces and apps, network infrastructure and security protocols, community management incentives, wallets, bot services, APIs, bot stores, and support for the SEED Economy. Additionally, network deployment, bot framework deployment, documentation of tools and means to scale, marketing, onboard of partners, clients, deployers, developers, and node operation governance all must be accommodated. Relationships with existing bot communities, commercial entities, government agencies, and emergent networks also need to be established and a long-term prospectus that facilitates this economy is a non-trivial task. All of this is described, in detail, in our White Paper, available on our website: seedtoken.io

The SEED Token is used to trade work, data, services, and code on the network. The token is used to verify both the quality of information (data curation) and citation of source (data provenance). The token streamlines the accounting and micropayments process by reducing time, friction, and costs. As a consequence, higher quality AI products cost less.

The SEED Token is administered by Seed Vault Ltd., a company limited by guarantee, incorporated in Singapore.

The SEED Token

What is the token and why do we need it?

SEED Tokens are intended for use on the SEED platform as the mechanism of authentication and compensation for work products in the platform. All transactions on the SEED platform use the SEED token, including for licensing and compensating developers for the bots, code, and services they put into any marketplace on the platform, staking items in the marketplaces, staking reviews and ratings, any deployment of advertising, and compensating end-users for sharing their data with services.

Conversational interfaces will shift the paradigm of digital services from typing and taping to speaking and listening—the most natural interface. Just like the World Wide Web did in the late 1990s, this is set to open-up incalculable opportunities to restructure the interface to all kinds of services—including new ones.

The purpose of this platform is to build a healthy, independent economy for CUIs (Conversational Use Interfaces) that rewards helpful, viable CUIs and the developers who contribute to them. Currently, only a handful of companies around the world can offer sophisticated CUIs and this will continue to be the case as long as there is no viable alternative, retarding the development of this critical interaction throughout the world and disempowering both users and companies from controlling their own data and privacy. An independent platform for CUIs is a critical piece of infrastructure for the global economy to grow. It is the basis for creating utility.

SEED is the only project publicly launched that aims to create such an independent platform. Therefore, it has the best chance of success as an alternative to the corporations, such as Facebook, Google, Tencent, Baidu, and only a few more, for those companies and governments who cannot afford their services or cannot afford to trust these companies with their private data. It is imperative that service providers of all kinds have an independent CUI solution that doesn't transfer their customer relationships (and, therefore, the value of those relationships) to third parties.
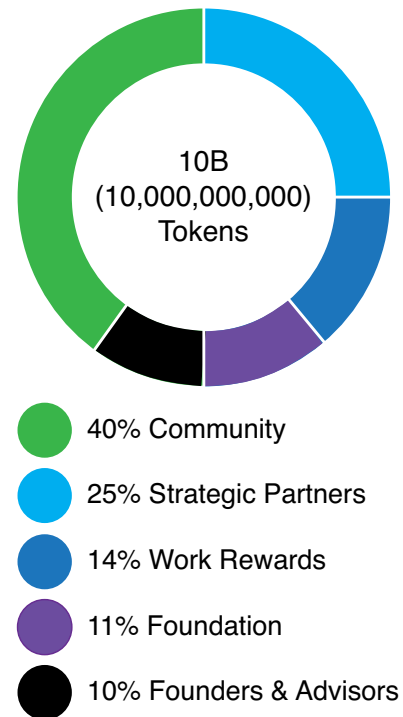
Token Supply

The total supply of SEED Tokens is 10 Billion (10,000,000,000). This is enough to provide tokens and fractional tokens for millions of CUIs (bots) to serve users via governmental and non-governmental services (such as corporations and NGOs).

The SEED Token

Token Allocation

%	Category	Vesting	Lockup
40%	**Community**		
(10%	Private sales	None	Various)
(30%	Public Sale	None	None)
25%	**Strategic Partners**		
(18%	Botanic Technologies	2 years	None)
(7%	Ecosystem Partners	None	None)
	(deployers, advertisers, analysts, etc.)		
14%	**Work Rewards**		

These tokens are reserved for rewarding developers and deployers for valuable work operations, such as operating nodes or curating content. This allocation will be earned over a 10 year time span.

11%	**Foundation**		
(10%	Endowment: the intent of the endowment is to not sell it.		
(1%	Trustees	Annual	None)
10%	**Founders and Advisors**		
(5%	Founding Team	None	33.33% each at 6, 9, and 12 months)
(5%	Advisors	None	33.33% each at 6, 9, and 12 months)

SEED Token Allocation

10B
(10,000,000,000)
Tokens

- 40% Community
- 25% Strategic Partners
- 14% Work Rewards
- 11% Foundation
- 10% Founders & Advisors

Token Sales Schedule

Our **First Private Presale** was from January to June of 2018: ~4% (25% bonus): **$3.5M**

Our **Second Private Presale** (ongoing from September): 6% (20% bonus): target **$5-8M**

Our **Public Sale** is anticipated to take place when market conditions warrant: 40% (no bonus)

After any public sale, tokens will be released based on the vesting schedule for each allocation category, as detailed above.

Fundraising

Fundraising Requirements

Between January and May of 2018, SEED raised ~US$3.5 in private sales via SAFTs. As of September 2018, SEED is seeking a further ~US$5-8M in order to fund its development, license critical middleware and IP, and promote the project. The hard cap for the project is ~US$20M ahead of any potential public token sale.

Use of Funds

The majority of funds used, so far, have been for technical development of the SEED token, platform, network, and apps. We have shipped demonstrations of the working blockchain and network, as well as draft tokens, and have two DApps in development, SEED Wallet and SEED Greenhouse. In addition to overhead and salaries, there have also been necessary promotional costs, though SEED has been frugal in what it has spent so far in this area. A third, less significant source of spending is dedicated to partnerships with key bot development, cryptocurrency, and promotional partners.

Moving forward, our focus is still on engineering, with a host of technical projects in development and planned (see the list on page 7). This will likley be the case until we ship the beta versions of our DApps and tools, as well as through any public TGE. Operational and marketing costs will focus on partner acquisition, IP deployment, and facilitating developer partners on the platform.
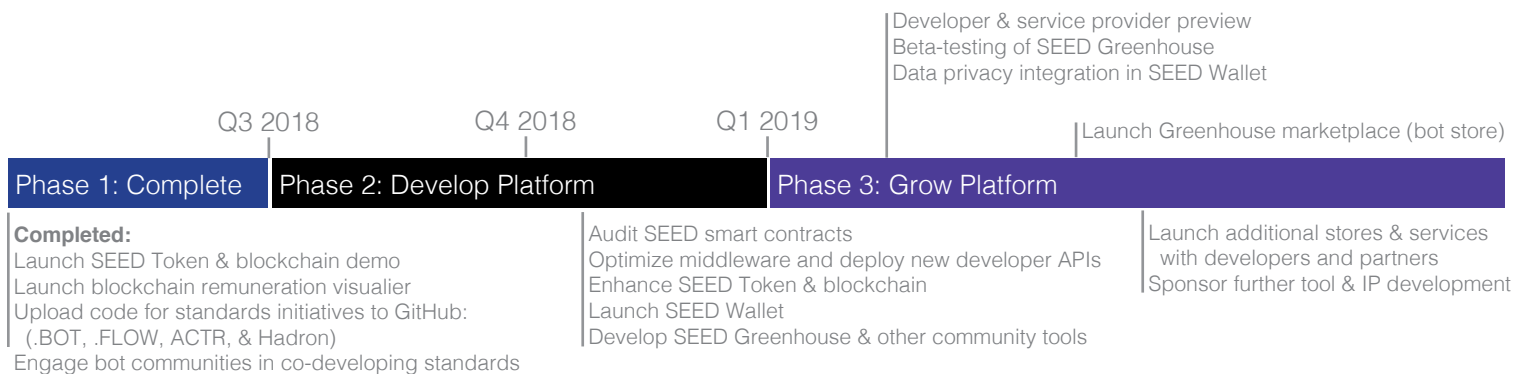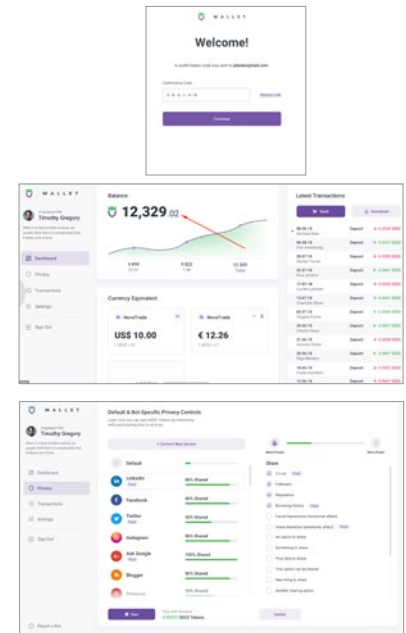
What We Are Building

We have several projects in development:

Project	Status
SEED Token and Blockchain	In beta, demo on website
SEED Network	In research and network testing
SEED Bot	Running on website
SEED Bot Enhancements	Several additional features in development, inc. voice
SEED Wallet	UI complete, in coding
SEED Greenhouse	UI and specifications in development
.BOT file format (standard)	In development (first draft)
.FLOW specification (standard)	In development (first draft)
ACTR Specification	Demos posted to website
Hadron Specification	Demos posted to website
Authors Tool	In beta
Platform Middleware	Undergoing optimization
Mobile Client	In development
Analytics Tool	In development
AML Wrapper	In development

SEED Wallet Interface Design

Developer & service provider preview
Beta-testing of SEED Greenhouse
Data privacy integration in SEED Wallet

Q3 2018	Q4 2018	Q1 2019	

Launch Greenhouse marketplace (bot store)

Phase 1: Complete	Phase 2: Develop Platform	Phase 3: Grow Platform

Completed:
Launch SEED Token & blockchain demo
Launch blockchain remuneration visualier
Upload code for standards initiatives to GitHub:
 (.BOT, .FLOW, ACTR, & Hadron)
Engage bot communities in co-developing standards

Audit SEED smart contracts
Optimize middleware and deploy new developer APIs
Enhance SEED Token & blockchain
Launch SEED Wallet
Develop SEED Greenhouse & other community tools

Launch additional stores & services
 with developers and partners
Sponsor further tool & IP development

How We Are Building It

For maximum effectiveness, we use a variety of resources, including our own internal team as well as external contractors, such as Botanic Technologies, Inc. and ONIX Systems. The core token, blockchain, and network are being built internally by experienced engineers. Several of the DApps (like SEED Wallet and SEED Greenhouse) are being engineered in conjunction with ONIX Systems. Greenhouse is our first development environment and bot store for the platform.

We are collaborating on developing several standards for the bot industries, in order to quickly shape the course of the industry, including the .BOT and .FLOW standards. Our collaborators on these include Botanic Technologies, Haptik, and the Bottish community.

Technological Roadmap

Current Partners and Momentum

Seed Vault Ltd. has been busy securing key partnerships for the platform. These include a variety of operational, technical, and development partners, such as:

Operational Partners

Legal Representation: Rajah & Tann
Marketing Partner: Fire on the Hill

Technical Partners

Technical partners collaborate on the engineering development and interoperability with various important systems, including other tokens.

Strategic Advisors: Outlier Ventures, Botanic Technologies, Parity Systems
Technical Development: ONIX Systems, AML Analytics, Simform
Bookrunner: TokenMarket
Cryptographic Partners: BotChain, Cryptorobotics, Fetch.ai, Wysh

Development Partners

Bot developers are critical to the specification of our bot development platform, middleware, APIs, and working toward new, global standards. These developers represent hundreds of thousands of developers to add to our community once our tools are in beta so that others can use them. Until then, these developers help us specific and prioritize important features and specifications for the SEED platform. Remuneration in tokens is available to some of these partners for non-cash contributions.

Bot Development: Botanic Technologies, Haptik, Elzware
Bot Communities: Bottish, ChatbotsLife, Chatbots.org
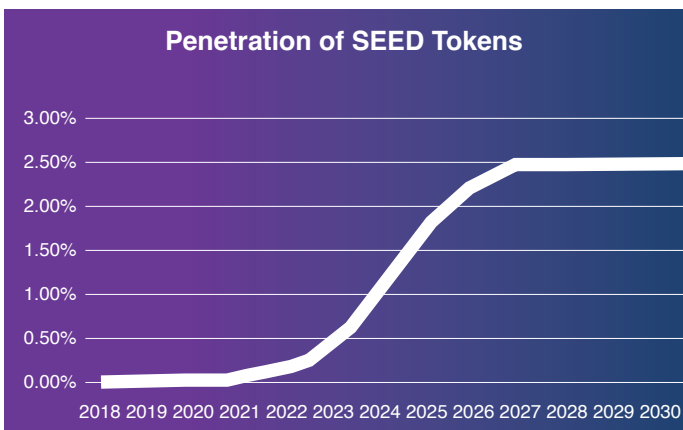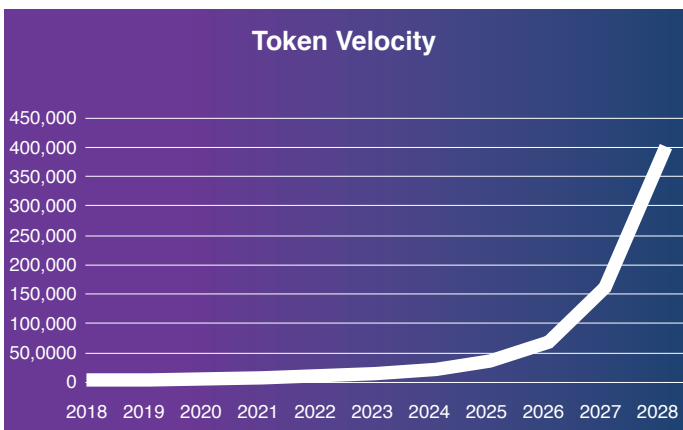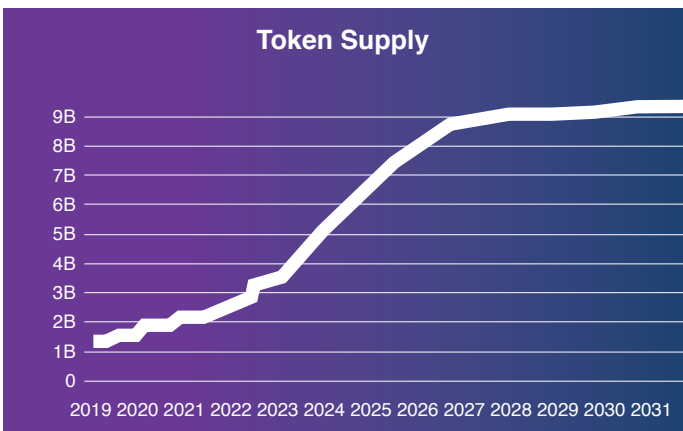Bot Market: Innoveo, CO Network, NYIAX, Job.com

Additional Partners

Currently, we have a long backlist of potential partners we've made contact with (over 500). We're in the process of prioritizing these to focus on the technical and development partners who can most contribute to the development of the SEED platform at this time.

Projected Tokeneconomics

With our partners, Outlier Ventures, we've designed an economy for the long-term health of the ecosystem. Our time horizon plans beyond 2031 in order to ensure a healthy economy that builds value over time for all stakeholders. This includes a reward system in the token allocation that releases necessary tokens for optimal deployment of bots and bot services while not flooding the system adversely.

Token Supply

9B	
8B	
7B	
6B	
5B	
4B	
3B	
2B	
1B	
0	

2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031

Token Velocity

450,000	
400,000	
350,000	
300,000	
250,000	
200,000	
150,000	
100,000	
50,0000	
0	

2018   2019   2020   2021   2022   2023   2024   2025   2026   2027   2028

Penetration of SEED Tokens

3.00%	
2.50%	
2.00%	
1.50%	
1.00%	
0.50%	
0.00%	

2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

Conclusion

Today, more than ever, an open market platform for a fair exchange between people and AI is needed. The SEED Token presents an exciting opportunity to facilitate a new paradigm in computer interaction and business services. Our aim is to create independent infrastructure based on blockchain technologies, that will eventually effect every business on the Internet. The details within this paper outline our approach in creating a utility and network token managed by a non-profit entity that enables independent construction, management, and remuneration of data, services, code, and products while ensuring user control over data privacy.

How to get involved

We continue to develop and release information regarding the tokeneconomic details of the project. Please contact us to enquire about further details, to get involved with the SEED project, or to sign-up for notification of these future releases.

ask@seedtoken.io

t.me/seedtoken

More information

More information about the project, it's progress, and it's partners is available on the seedtoken.io website. This includes white papers, executive summaries, detailed use cases, discussion of the IP licensed to the platform, etc.

seedtoken.io