

SAPIEN RUN

WHITEPAPER

Sapien Run is a Play2Earn blockchain game.

SAPIEN

01.03.2022

Contents

Summary	3
Concepts	4
Technologies	6
How to earn	7
Fundamentals	7
Royalties	8
Goal	8
Roadmap	8
Properties	9
League	10
Races	12
Integration Hub	13
Raffle	16
Frequently Asked Questions	17
Trusted Links	18
References	18

Summary

Sapien Run is a PVP-style play-to-earn game where players compete for top 3 placement among 8 racers. Players enter races with their unique NFTs. In the Sapien Run game, these NFTs are called Sapien. Sapien means “wise” in Latin, so you can RUN to EARN with wise choices.

Each race has one of four different weather conditions: Frostbite, Flame, Storm, and Chaotic. These weather conditions can affect the outcome of the race.

The basic characteristics of Sapiens are class, origin, and element. With the help of side properties races become more competitive. As players develop strategies and make smart choices, their chances of winning increase.

Players can compete with their Sapiens, buy new Sapiens, sell their Sapiens and produce new Sapiens. The game is built on the blockchain so Sapien Run offers its players the opportunity of a long-term economic earn model alongside daily earnings.

At first, we will craft unique 8888 Sapien NFTs. The game will be launched after the raffle. As Sapien Run, we are not going to craft NFTs after the first produce. Our community will determine the NFT supply-demand equilibrium with the new Sapien NFTs they produce.

As a decentralized game, Sapien Run has a secure and transparent structure with the help of blockchain technology.

Concepts

Web3

Web3 (also known as Web 3.0 and sometimes stylized as web3) is an idea for a new iteration of the World Wide Web-based on blockchain technology, which incorporates concepts including decentralization and token-based economics. Some technologists and journalists have contrasted it with Web 2.0, wherein they say data and content are centralized in a small group of companies sometimes referred to as "Big Tech". The term was coined in 2014 by Ethereum co-founder Gavin Wood, and the idea gained interest in 2021 from cryptocurrency enthusiasts, large technology companies, and venture capital firms.

NFT

A non-fungible token (NFT) is a non-interchangeable unit of data stored on a blockchain, a form of digital ledger, that can be sold and traded.[1] Types of NFT data units may be associated with digital files such as photos, videos, and audio. Because each token is uniquely identifiable, NFTs differ from blockchain cryptocurrencies, such as Bitcoin.

NFT ledgers claim to provide a public certificate of authenticity or proof of ownership, but the legal rights conveyed by an NFT can be uncertain. NFTs do not restrict the sharing or copying of the underlying digital files, do not necessarily convey the copyright of the digital files, and do not prevent the creation of NFTs with identical associated files.

Blockchain Game

A blockchain game (also known as an NFT game or a crypto game) is a video game that includes elements that use cryptography-based blockchain technologies. Blockchain elements in these games are most often based on the use of cryptocurrency or non-fungible tokens (NFTs) which players can buy, sell, or trade with other players, with the game publisher taking a fee from each transaction as a form of monetization. In some cases, players of blockchain games have earned enough to pay for costs of living, making these games also known as play-to-earn games.

Gas

Gas refers to the fee, or pricing value, required to successfully conduct a transaction or execute a contract on the Ethereum blockchain platform. Priced in small fractions of the cryptocurrency ether (ETH), commonly referred to as gwei and sometimes also called nanoeth, the gas is used to allocate resources of the Ethereum virtual machine (EVM) so that decentralized applications such as smart contracts can self-execute in a secured but decentralized fashion.

Smart Contract

A smart contract is a computer program or a transaction protocol that is intended to automatically execute, control, or document legally relevant events and actions according to the terms of a contract or an agreement. The objectives of smart contracts are the reduction of need in trusted intermediators, arbitrations and enforcement costs, fraud losses, as well as the reduction of malicious and accidental exceptions.

MetaMask

MetaMask is a software cryptocurrency wallet used to interact with the Ethereum blockchain. It allows users to access their Ethereum wallet through a browser extension or mobile app, which can then be used to interact with decentralized applications. MetaMask is developed by ConsenSys Software Inc., a blockchain software company focusing on Ethereum-based tools and infrastructure.

Opensea

The world's first and largest digital marketplace for crypto collectibles and non-fungible tokens (NFTs). Buy, sell, and discover exclusive digital items.

Technologies

We are using Moralis and web3js to ensure all transactions and platform capabilities are decentralized and secure. Currently, we are supporting Metamask as a wallet.

Moralis

Moralis is an Ethereum SDK and Server Solution. Moralis provides managed backend for blockchain projects. Automatically syncing the balances of your users into the database, allowing you to set up on-chain alerts, watch smart contract events, build indexes, and so much more. All features are accessed through an easy-to-use SDK. All features Moralis provides are cross-chain by default.

Polygon

Polygon is a secondary scaling solution for the Ethereum blockchain. These types of solutions work on top of an existing blockchain network rather than using their own blockchain. In this instance, Polygon works on top of Ethereum which has become slow and expensive to use as it becomes ever more popular.

Unity

Unity is a cross-platform game engine developed by Unity Technologies.

How to earn

- Compete with others in races.
- Join the build process of new Sapien NFTs on Integration Hub.
- Build and sell high-performance Sapiens.
- Collect Sapiens with high rarity and sell them in the marketplace.

Fundamentals

- It is built on Polygon/Matic Layer 2 Solution to keep minimal gas fees and commissions.
- Sapien Run is a game of Decentralized application (DAPP)
- Sapien NFTs are stored on InterPlanetary File System (IPFS).
- The game will be presented with 2D and 3D racing options to the market.
- A Metaverse VR version of the game will be created.
- After the web versions of the game are completed, the mobile versions will start to be built.
- Creating additional earning models for Sapien holders is our primary objective.

Royalties

Sapien Run shares 20% of the royalties to Sapien holders.

We'll use the 20% for the marketing and branding.

The rest will be used for the development of Sapien's future.

Goal

Sapien Run aims to be a community ecosystem where users play to earn, have fun and socialize in the Metaverse.

Roadmap

Phase 1 - Sales & Minting

There will be a Raffle for the distribution of the Sapiens. After the raffle, the contract will mint the NFTs to the winners and refund the ticket prices to the rest.

Phase 2 - Game Launch

Sapien Run will be ready to be played for Sapien holders.

Phase 3 - Tournaments & Giveaways

There will be tournaments with bigger prize pools and we will be giving %20 of our income to our Sapien holders.

Phase 4 - Integration Hub

Building new Sapiens using the Integration Hub will be opened. Meta 1 Sapien holders will be ready for new earning opportunities in the Integration Hub marketplace.

Phase 5 - Metaverse

We are planning to create a VR version of the Sapien Run to feel the excitement in the race. Also renting Sapiens is a project we are considering. With renting everyone can have the opportunity to feel the same excitement.

Properties

We wanted to create a better and fairer game for you and the Sapiens. To achieve this goal, we have created multiple properties and complexity levels in the game. Each Sapien has different ambitions and skills. They all run to fulfill their objectives. In addition to them, there will be S-Index and Meta for Integration Hub. We'll have so much fun. Here are the basic properties for each of them.

Origin

Sapiens come from different origins. There are six different origins, Cygni, Aquarii, Sirius, Gliese, Wise, and Den. Each origin gives them different abilities to perform better. The rarest of them is Cygni and there won't be any Cygni after the launch. Practice and learn.

Class

Classes are like the characteristics of Sapiens. They represent their inner strength. Sagax, Celeritas, Vis and Magnus. Sagax is the rarest of them and just like the origins none of the Sapiens will have this after the launch. It means "Intelligent".

Technology

Technology is a key to unleashing their true strength and skills. They are Anti-matter, Fusion, Radiant, and Vortex. Each technology provides different complexity in the game which you need to learn in time.

Process Power

In Sapien City process means progress which enables a continuous improvement in town. Increased process power can lead to faster results, but wise choices are more important.

Sapien Level

Sapien Level is their wisdom score. More is better as you know.

Element

Sapiens are synthetic beings just like these chemical and rare elements.

Technetium, Curium, Dubnium and Bohrium are their core structure.

S-Index

This property displays NFTs version levels. It is between 1-256. Sapien NFTs with an S-Index of 1 are the first NFTs produced.

Meta

It represents Sapien's technology master code. This feature is important for Integration Hub.

Meta **1** and **11** are Provider NFTs.

Meta **0** and **10** are Consumer NFTs.

Those with meta master codes 1 and 0 are the first NFTs. All NFTs produced afterward will have the master code of 11 or 10.

League

Players compete in 6 different leagues and 5 different distances. Each league can have different types of races at different distances. After making their strategy and joining the race, the players choose their suitable Sapien for the league's level. That is all! Now let's take a look at the rules of the game.

- Each race is played with 8 players.
- A player can enter a race with only one Sapien.
- Players participate in the race by choosing their suitable Sapien for the relevant league.
- Each player must participate in 10 races in Rookie League to classify their league.

There are 6 levels of leagues. Each league has rating points. Players can compete in the appropriate league according to the rating points of their sapiens. The rookie league has no point requirement which is for new beginners only. The rating points of each league are as follows.

Leagues	Rating
Class 1	130+
Class 2	100-130
Class 3	70-100
Class 4	40-70
Class 5	0-40
Rookie	N/A

Rating points change at the end of each race according to your placement. Points of each placement are shown below.

*In the Rookie league, the rating points are multiplied by two to determine which league Sapiens will start their journey.

Placement	Sapien Point	Rookie Sapien Points
1	4	8
2	2	4
3	1	2
4	0	0
5	0	0
6	-1	-2
7	-2	-4
8	-4	-8

Races

Each race has its concept with different distances and weathers. They are different for each race and you need to practice and learn which Sapien of yours is better at them before joining the race.

Distance

There are 5 different distance races in the game where players compete. They are written in light years to represent the atmosphere.

- 100ly
- 1000ly
- 2000ly
- 2500ly
- 3000ly

Weather

Each race has one of four different weather conditions:

- Frostbite
- Flame
- Storm
- Chaotic

Sapiens may have some advantages in different weather conditions. This is something you need to discover.

Race Participation Fees

Each league may have different race participation fees. Race participation fees are as follows.

- 2 \$
- 5\$
- 10\$
- 25\$
- 50\$
- 100\$
- Special events may be 250\$ and above.

Race Awards

Sapiens in the top three placement of the race will earn their rewards. These rewards will change according to their placement. Decreasing from the first to third place. They will be given from the prize pool of the race after Sapien Run takes a 5% commission out of it.

Integration Hub

Integration Hub is the center of creating new Sapiens. Players can build new NFTs using Integration Hub.

Two Sapiens must come together as Provider and Consumer to produce a new Sapien.

- Provider Sapien: Meta-information 1 or 11.
- Consumer Sapien: Meta-information 0 or 10.

Only Consumer types can be placed in Integration Hub and the Providers can look for the best match for better builds.

If you have both provider and consumer Sapien, you can produce new Sapiens cheaper. Check the build price method for more details.

The main properties of the new Sapiens to be produced are determined according to the following matrices. Other properties are determined by their rarities with our algorithm to sustain a balanced game.

Class Build

Class	Sagax	Celeritas	Vis	Magnus
Sagax	Sagax	Celeritas	Vis	Magnus
Celeritas	Celeritas	Celeritas	Vis	Magnus
Vis	Vis	Vis	Vis	Magnus
Magnus	Magnus	Magnus	Magnus	Magnus

Origin Build

Origin	Cygni	Aquarii	Sirius	Gliese	Wise	Den
Cygni	Aquarii	Sirius	Gliese	Wise	Wise	Den
Aquarii	Sirius	Sirius	Gliese	Wise	Wise	Den
Sirius	Sirius	Gliese	Gliese	Wise	Wise	Den
Gliese	Gliese	Wise	Wise	Wise	Wise	Den
Wise	Wise	Wise	Wise	Wise	Den	Den
Den	Den	Den	Den	Den	Den	Den

Each Sapien can enter the build phase max 2 times per month.

The consumer pays the provider to produce a new Sapien. The newly produced Sapien goes to the consumer. This is also another way of generating passive income.

A person who has both a provider and consumer Sapien can produce a new Sapien without the need for a third party. It is also cheaper.

The formula below determines the base price for the NFT to be produced.

Base Price	0,1 eth
------------	---------

$$\text{Base Price} \times \{(0.80 \times \text{Class}) + (0.2 \times \text{Origin})\} \times \text{Ownership}$$

Origin Weight

Sagax	120
Celeritas	100
Vis	90
Magnus	80

Class Weight

Cygni	120
Aquarii	100
Sirius	80
Gliese	60
Wise	50
Den	40

Ownership Weight

Own	50
Not Own	100

Rules

- The Provider cannot charge a fee below the minimum price.
- The Provider may charge a maximum of 2 times the minimum price.
- If the player has both Provider and Consumer, the build price will be %50 cheaper.

Raffle

What is a Raffle?

A raffle is a gambling competition in which people obtain numbered tickets, each of which has the chance of winning a prize. At a set time, the winners are drawn at random from a container holding a copy of each number. The drawn tickets are checked against a collection of prizes with numbers attached to them, and the holder of the ticket wins the prize.

How do we make a Raffle?

We are using blockchain as our foundation for raffles. Each ticket you own increases your chance to get a Sapien. For the tickets that did not win a Sapien, ticket costs will be refunded to the user's wallet. This process will be handled using a smart contract. The raffle period will be announced from our website and Discord channel.

Reveal

The reveals will be announced after the Raffle is ended. If the user is earned a Sapien it will be minted to the user's wallet.

Frequently Asked Questions

Whitelist Privileges

Users who entered our whitelist can buy the Raffle tickets with a 25% discount. Also, they have a 100% chance of getting a Sapien NFT. After the raffle, they will be able to join two free races after they finished their Rookie placements.

When will the Sapien Run game start?

The game will be launched after the end of the sales. We'll announce the launch of the game from our Discord channel and website.

What are the benefits of Sapien Run NFT?

- Great community on Discord to make friends and enjoy the game together.
- Holders will have a chance to earn money using their NFT on the Sapien Run.
- Royalties will be shared with the Sapien Holders.
- Chance of getting a rare Sapien and great profit.
- Passive income opportunity through Integration Hub for Consumer type Sapiens.

Trusted Links

Official website

<https://sapien.run>

Metamask

<https://metamask.io/>

Instagram

<https://instagram.com/sapien.run>

Twitter

<https://twitter.com/sapienrun>

Discord

<https://discord.com/invite/AX66BD2F94>

References

https://en.wikipedia.org/wiki/Blockchain_game

<https://en.wikipedia.org/wiki/MetaMask>

<https://opensea.io>

<https://www.investopedia.com/terms/g/gas-ethereum.asp>

https://en.wikipedia.org/wiki/Non-fungible_token

<https://moralis.io/>

<https://www.gemini.com/cryptopedia/>