

# Asva Labs

We develop interoperable applications for DeFi, NFT and Metaverse under the aegis of Polkadot, with substrate being its development framework.

## Introducing Asva labs

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Asva labs provide decentralized solutions focusing on interoperable applications for Decentralized Finance(Defi), metaverse, and Non-Fungible Tokens(NFTs). We use advanced decentralized technologies like web3 and substrate to develop interoperable applications such as cross-chain money market and distributed ledger-based metaverse virtual world which helps in the contributing of DeFi and NFT's go mainstream.

We are a group of passionate Individuals from India with deep expertise in Software development and specialized in Blockchain Technology.

Asva labs aim to address the existing industry limitations and also meet the ever-increasing demands of the DeFi and NFT market by building robust and interoperable decentralized applications on Polkadot infrastructure.

Asva is developing two main products the first one is asva finance which is a cross-chain money market for the DeFi ecosystem it features functionalities from lending to yield farming to asset management for crypto assets.

Another product is asva virtua space which is an on-chain ownership-based metaverse platform consisting of virtual creations like real estate, digital artworks, and museums. NFTs are used to identify unique ownership of virtual characteristics and creations.

## Vision

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We are envisioned to bring mass adoption and disrupt the current Decentralized Finance and NFT market by making it more convenient, accessible, and feasible for the users.

## Our Focus Areas

### **Decentralized Finance (DeFi)**

DeFi refers to financial applications built on blockchain technologies leveraging smart contracts. It is a system of open, permissionless, and interlocking financial products built on Ethereum, Binance Smart Chain, and other public blockchains with a focus on borrowing, lending and banking services to interact peer to peer or with strictly smart contract-based rules rather than a company or institution or a bank facilitating a transaction. The main idea around DeFi is to disrupt the existing traditional finance world which depends on intermediaries.

### **Non fungible tokens (NFT's)**

Unique cryptographic tokens that depict a license to an asset in the blockchain ecosystem. Their uniqueness can be utilized in implementing digital ownership for the assets among various domains.

### **Metaverse**

Virtual Space is a collective, shared decentralized parallel world where users can play, work, learn, socialize and live out a full life with unique digital identities often known as avatars. The avatars can buy land and create various digital artworks, houses, estates, clothes, and wearables from the respective platform's NFT marketplace.

## Technologies used by build Asva Labs

### **Substrate**

A substrate is a framework used to build specific blockchains enabling interoperability using Polkadot. Substrate framework allows users to build blockchains without having to worry about networking and consensus aspects of traditional blockchains.

### **Polkadot**

Polkadot is a platform that allows diverse blockchains to transfer messages, including value, in a trust-free fashion; sharing their unique features while pooling their security. In brief, Polkadot is a scalable, heterogeneous, multi-chain technology.

Polkadot may be considered equivalent to a collection of independent chains (e.g. a set containing Ethereum, Ethereum Classic, Namecoin, and Bitcoin) except with important additions: pooled security and trust-free interchain transactability.

## Our Products

### 1 Asva Finance

Asva Finance is a cross-chain money market protocol involving liquidity aggregation allowing users to lend, and farm cryptocurrency assets and Non-fungible tokens. Leveraging the powers of the Polkadot network, Asva Finance is building its para chain to contribute to the ever-growing decentralized money market economy.

Asva finance aims to offer one-stop interoperable DeFi features and functionalities.

Features of Asva Finance are :

#### 1.1 Cross-Chain Liquidity Aggregator

To solve the issue of fragmented liquidity asva finance enables cross-chain integrations of decentralized exchanges and multiple automated market-making pools across multiple blockchain networks thus providing users with unlimited liquidity to exercise their trades as it mitigates any price discrepancies.

#### 1.2 Smart Lending

DeFi lending offers complete transparency with easier access to assets for every money transfer without involving any third party.

Asva Finance will cater to the best lending and borrowing services from Compound, MakerDao, AAVE, etc in a cross-chain manner using Polkadot.

### 1.3 Smart Yield Farming

Yield Farming is a way to earn additional reward from the underlying protocol. It involves users to lend or stake their funds in smart contracts of the respective protocol.

With Asva Smart Yield Farming, the user can maximize the rate of return on capital by leveraging different Defi protocols. The users will also be able to stake their liquidity provider tokens and earn extra rewards on top of their existing transaction fees.

### 1.4 Decentralized asset management

Asva finance provides a cross-chain interface for DeFi which allows users to token swaps, yield, and lend crypto assets.

The intelligent platform features users to track all earnings and they get real-time time price data in one place. The goal is to fuel DeFi to mainstream adoption with one-stop interoperable DeFi features by asva finance

## Asva Virtua Space

Asva Virtua Space is a Metaverse - NFT platform is a destination for buying and selling virtual lands, 3d digital arts, digital collectibles, and many more. It provides an opportunity for users to monetize their virtual creations.

Asva virtual space platform leverages Blockchain, NFTs and combines metaverse technologies to create a virtual world where the users can have a gamified realm experience and artists can exhibit their digital art in the art museums and the collector or buyer can buy those arts and use that in their land, house or office space. Some of the main features are True Digital Ownership, Interoperability, Decentralized assets exchange, and Player Driven Economy. This provides transparency to trade virtual characteristics from avatars to lands, arts, and

many more. This virtual world brings a change in the world of virtual reality through NFT's.

Some of the features of Asva Virtual Space are:

### 1.1 Virtual World

We are creating an Open, Social, Virtual Reality World. A world with its currency and laws. A VR world with its Marketplace, games, hotels, islands, estates, companies, social experiences, and virtual land ownership. A VR world that will be interconnected and seamless which will be fully accessible from any device.

### 1.2 NFT MarketPlace

Asva Virtual Space will have its non-fungible Token Marketplace which consists of various Digital Artworks, Digital collectibles, in-game assets, digital wearables, and Virtual Lands which can be used in our Virtual World.

## The Key Players in Our Virtual Ecosystem

- Creators

Creators are the ones who create the creations for our virtual world. Creators can be digital artists who create artworks, paintings, sculptures, and 3d models or digital builders who build Malls, museums, business buildings, and many more engineering concepts and game developers who can develop games on virtual lands of asva virtual space. These creators can sell their creations on Asva NFT Marketplace.

- Collectors

Collectors in the asva virtua space can buy all the digital art and digital collectibles from virtual exhibitions and store them into their virtual houses and also auction them to place favorite museum for additional monetary benefits. These are just like our real-life brokers who buy stuff and resell at a better price as the value of assets increases.

## Virtual Arts and exhibitions

Asva Finance helps artists create financial value for their work as the NFT's add the crucial ingredient of scarcity. We provide a platform for artists to create digital art which is unique and is trending for collectors to use in their virtual world. If the creator creates a museum then the artists can showcase their art collection as an exhibition in the museum and put it on auction and earn monetary value.

There are opportunities for people who want to create business assets in our asva world which can help them earn real-time monetization on their efforts. And our virtual world also gives opportunities for our users to travel through various cities and countries of our world as every place in our virtual world will be different and the user also can create games, videos, and any entertainment content. Our Asva virtual space provides everything the real world has to offer with a gamified virtual experience.