



Arable Protocol - Concept

For users - the single-chain farming protocol for multichain farms

For technicians – synthetic farming protocol

The Problem

There is a large variety of chains available in the crypto ecosystem, and many users find it difficult and risky to use cross-chain bridges because of the amount of time and fees involved and network risks. Also, the applications and wallets on the other chains are often not very familiar to those users, which creates a barrier to entry. There are many yield farmers active in the crypto space who want to try farming on other platforms, but the networks and wallets vary from what they are accustomed to.

The biggest benefit of the product that Arable Protocol offers is for people who manage lots of assets on various chains.

The Solution

Arable Protocol's goal is to bring various chains' growing selection of assets onto a single chain. Users do not need to use cross-chain bridges but can instead use a single interface for farming and trading, and there is a multitude of assets available.

Users can farm Ethereum, BSC, Polygon, Cosmos, Polkadot, Solana, Avalanche, and other assets on a single chain. We chose to launch on the Avalanche network as our first supported chain.

The Arable Protocol is based around a synthetic ecosystem and its liquidity is created through the minting of the stable asset arUSD. Utilizing arUSD, users can swap between a variety of synthetic cryptocurrencies and LP tokens and farm on synthetic yield farms that track the APR of their native chain counterparts. These "synths" are derivatives of native-chain assets. Collateral is required to back minted arUSD in an over-collateralized fashion, and minters are responsible for paying farming rewards and trading profits made on the protocol by farmers and traders.

Shortcomings of Existing Solutions

1. Secure bridges that allow cross-chain token transfers. Bridging apps on different chains are still unfamiliar to users.
2. A single wallet to manage all cross-chain assets. Single wallet apps commonly do not offer any farming features, and cross-chain token swaps still take time and incur fees.
3. Protocols employing synthetic assets. Existing platforms utilizing synthetic assets allow for the trading of synthetic assets, but they do not offer the ability to farm them. For instance, ETH is a staking coin, but sETH (synthetic Ethereum) cannot be staked.

The Main Users at Arable

1. arUSD issuers are called "minters".
2. Synthetic asset farmers and traders are collectively called "farmers."

The detailed actions for the users can be found in the [FAQ paper](#).

In the future, the protocol will either build a universal cross-chain bridge or utilize existing bridges to help minters to bridge across chains with low or no fees and high security. The protocol will pay all or most of the fees.

Once the core product is built, the protocol will organize a hackathon to develop leveraged yield farming and other yield farming features to offer users the best farming experience possible.

Protocol Terms

- The name of the project: Arable Protocol. The word "arable" conjures up an image of a place well suited for growing crops.

- The name of the native token: ACRE. An acre is a unit of land area, and in this sense, the ACRE token represents a unit of the Arable Protocol.
- The prefix for synthetic assets at Arable is 'ar'. E.g. arBTC, arETH, arSOL, arUSD etc.

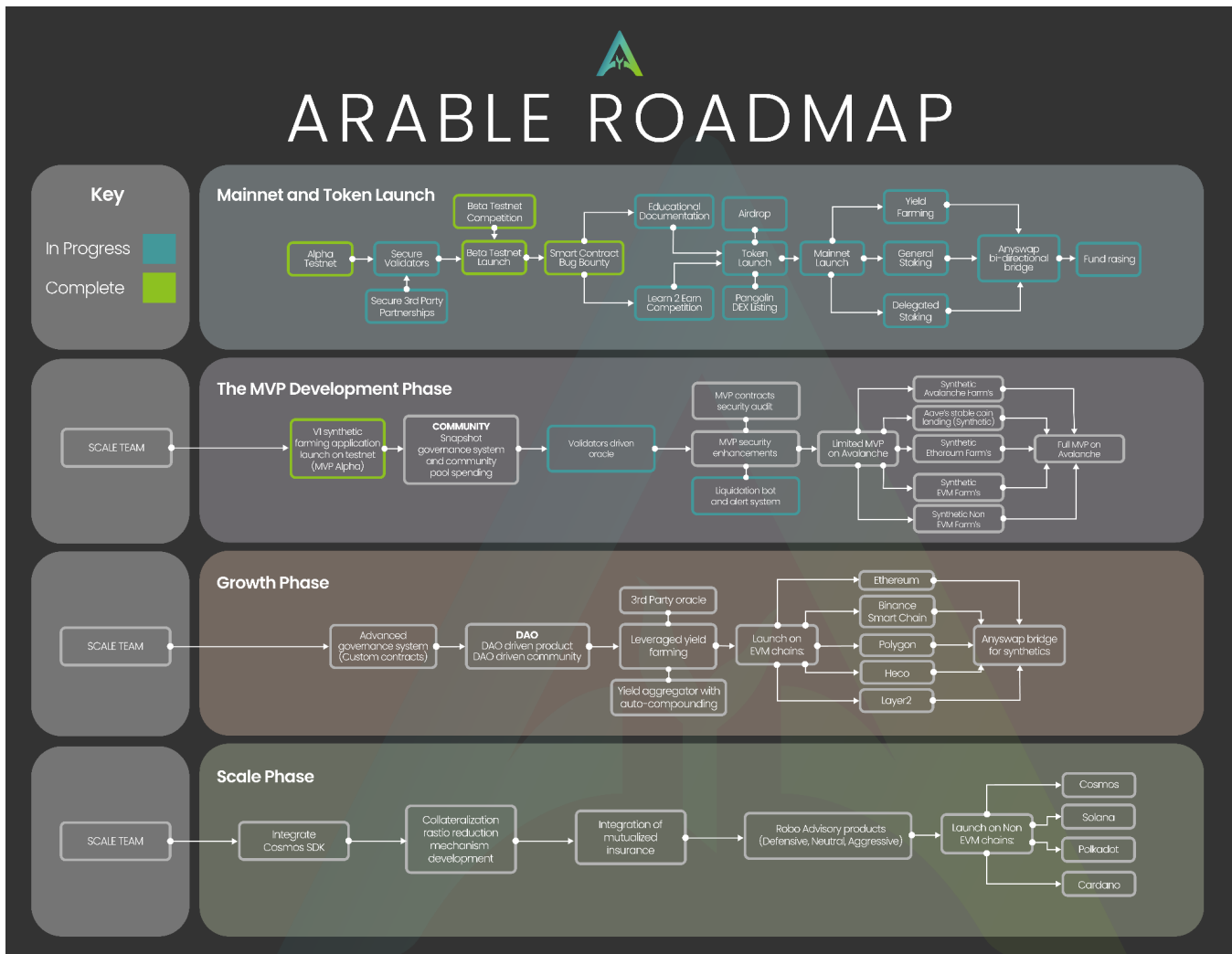
Market Environment

- Many yield farmers feel uncomfortable setting up new wallets for farming on other chains. Arable offers a unified app that allows its users to trade and farm synthetic multi-chain assets in one place.
- Yield farmers benefit the most from Arable's offerings. They can farm and trade multi-chain assets in a more secure way without the need to bridge funds, thereby saving time and money and keeping their peace of mind.
- The first chain to launch our product is Avalanche.
 - The Avalanche ecosystem has grown substantially, but there are not many DeFi apps available so far.
 - Bringing synthetic assets to Avalanche will grow its ecosystem considerably.
 - It is straightforward to attract users and create partnerships with other ecosystem projects on Avalanche so the team can invest more resources in product completion.
 - Avalanche allows us to create our own network where the transaction fees are paid in our native token, ACRE.
- Traditional farming on native chains has many issues.
 - Many good projects that have their own chain or are on other's networks struggle with attracting a large user base. Most farmers just follow the trending chain.
 - There are a large number of potential yield farmers who would like to be active on good farms across many chains, but have been cautious and reserved to engage with multi-chain farming in the traditional sense. Arable aims to change this by making multi-chain farming accessible in frictionless.

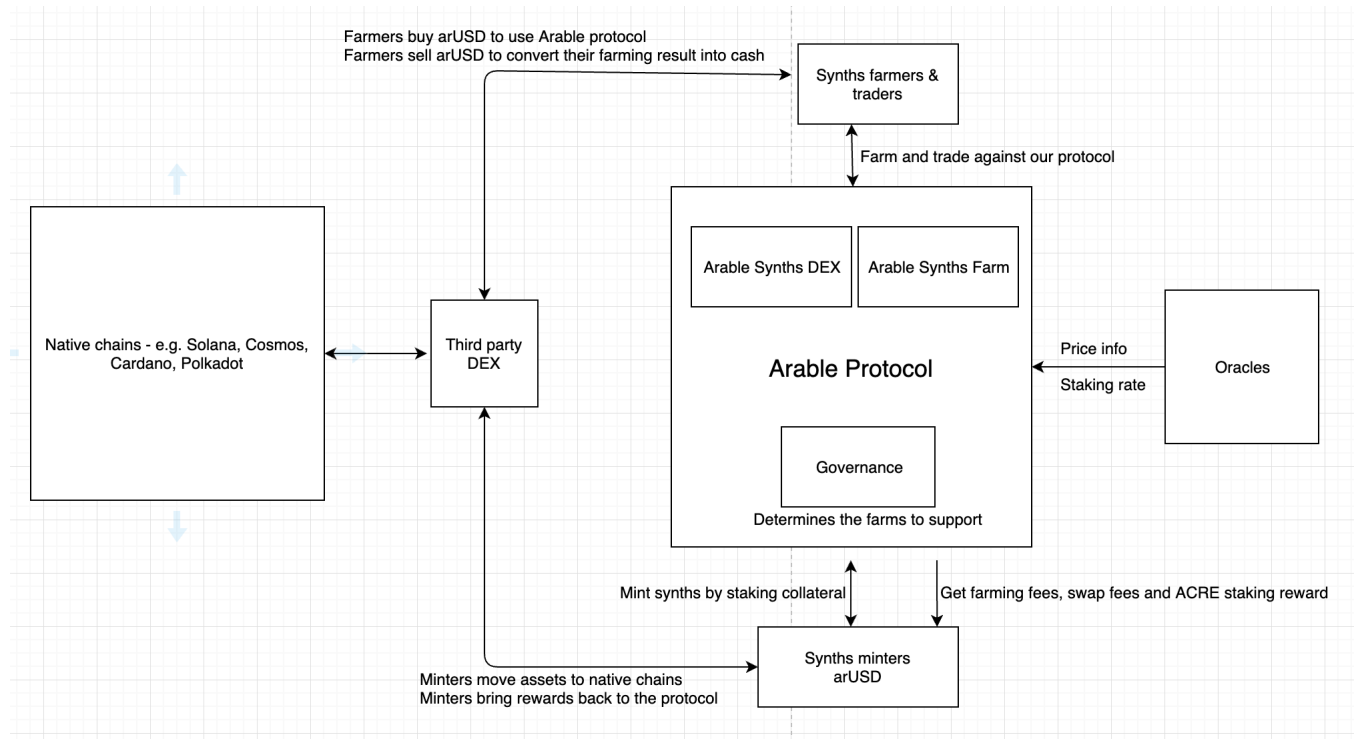
Main Product Features

- arUSD minting application with secure oracle integration.
- A zero-slippage DEX platform that supports Arable's synthetic assets whose value is based on pricing data provided by oracles.
- A farming application with a user-friendly UX and a growing selection of high-APY farms.
- A governance system.

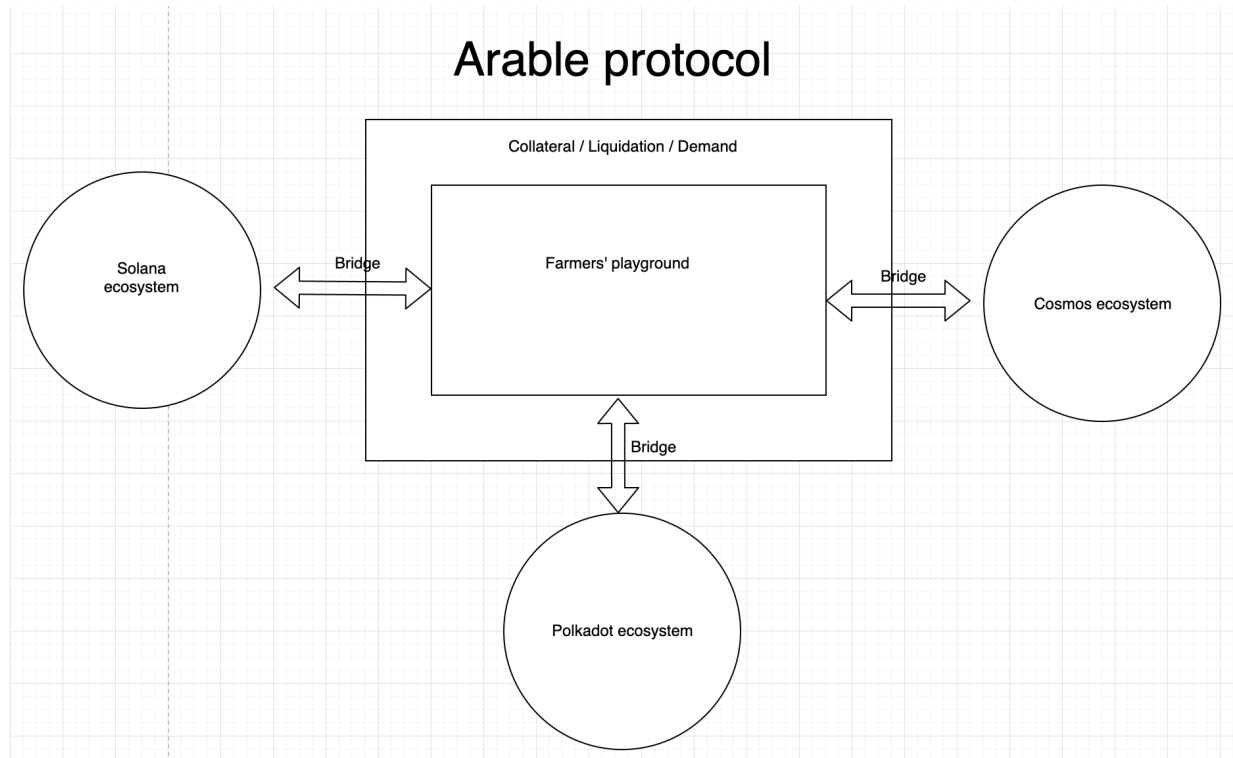
Roadmap



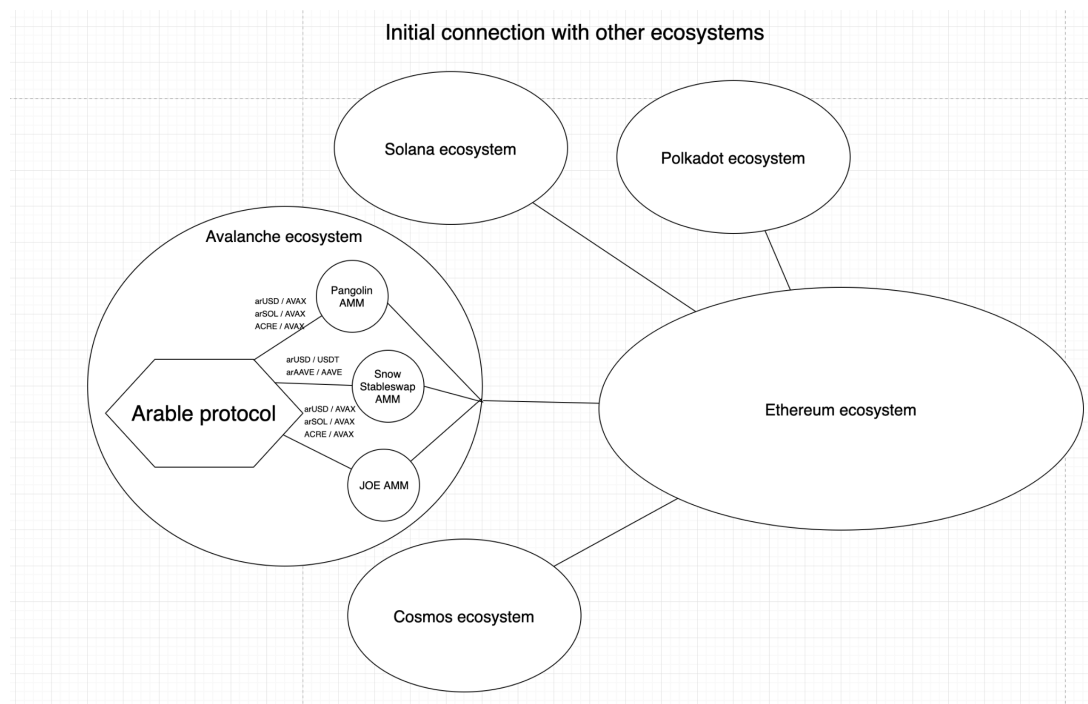
Arable User Workflow



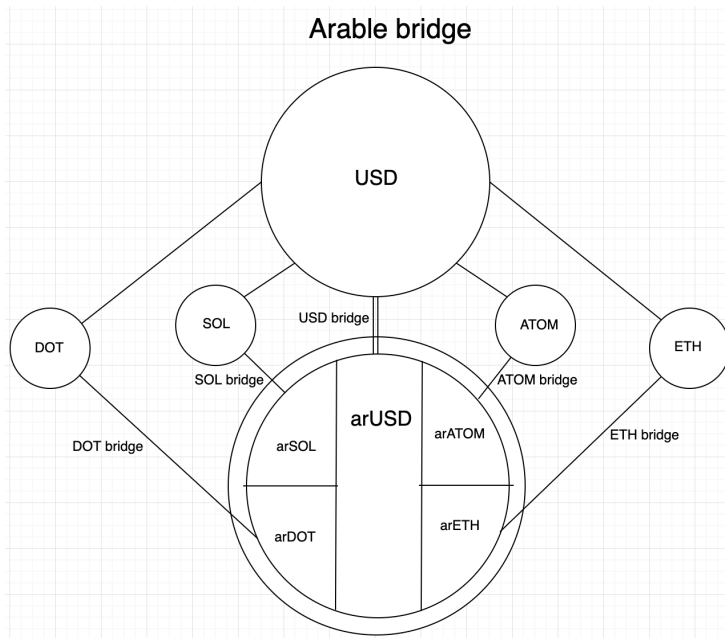
Arable Protocol General Overview



How to enter Arable from other Ecosystems during the Initial Product Phase



Connecting Arable and other Tokens via a Direct Bridging



What other Critical Tokenomic Problems does Arable Tackle?

One substantial benefit to ACRE holders is its increased utility because ACRE (along with wrapped AVAX and USDT) can be used as collateral for minting arUSD, which translates to more locked ACRE liquidity, limiting its supply.

What Synthetic Assets will be Supported during the First Stage?

We will support promising Cosmos ecosystem projects and Solana assets that are not highly utilized yet. It will bring a lot of value to enable farmable assets from the Cosmos ecosystem. Based on our community's request through governance, we will implement more assets.

What are the Main Differences with other Synthetic Asset Platforms like Synthetix and Mirror?

- Unlike Synthetix and Mirror, we focus on creating derivatives for cryptocurrency assets as opposed to traditional stock listings.
- Farming is enabled with synthetic assets.

External Resources

<https://github.com/ArableProtocol/arableintro/blob/main/Arable%20Protocol%20%5BDraft%5D.pdf> - Arable paper

https://docs.google.com/document/d/14x1gPqb8PBmhbM_tKsN5EEjXFp5ZHLLI_DcIVfuR4F0 - Arable FAQ

<https://arable.finance> - Website

<https://medium.com/@ArableProtocol> - Medium

<https://github.com/ArableProtocol> - Github - source code is closed until launch

<https://discord.gg/arable> - Discord

<https://t.me/ArableProtocol> - Telegram

<https://twitter.com/ArableProtocol> - Twitter

<https://www.linkedin.com/company/arable-protocol> - LinkedIn

contact@arable.finance - Contact email

<https://about.arable.finance/> - Protocol docs

https://linktr.ee/arable_protocol - Linktree

A List of Resources for Users who are New to Farming

- To find out more about how synthetic asset derivatives work, check out the Synthetix:
<https://docs.synthetix.io>
- Minters are users who mint the stable asset arUSD to provide liquidity for a synthetic ecosystem that enables farmers to trade and farm synthetic cryptocurrency assets.
- Most yield aggregators support yield farming, and you can get a better understanding of yield farming from those projects. For example, Beefy Finance (<https://www.beefy.finance>) and Harvest Finance (<https://harvest.finance>).
- Our first goal is to bring farmable synthetic assets into existing chains. Arable will launch its own chain based on the Cosmos SDK in the future (see the roadmap above).