

Team Website

- <https://airprotocol.org>

Legal Structure

Please provide the name and registered address of the legal entity executing the project. These details can also be shared privately via the Google Form used for your application.

Team's experience

Jorge Ruiz co-founded Airtm.com and served as founding CTO of the company. He has a deep understanding of the intrinsic issues of the sector, he has lived some first hand, as well as broad experience in the creation of on/off ramps throughout the world.

Cristina and Ceci created a successful development company focused in fintech and business integrations. They also helped develop key infrastructure services for Airtm and are experienced at creating and managing teams.

Team Code Repos

- <https://github.com/air-protocol>

Team LinkedIn Profiles

- <https://www.linkedin.com/in/jorgere/>

- <https://www.linkedin.com/in/cristinamanrique/>
- <https://www.linkedin.com/in/cecilia-silva-27766452/>

Development Roadmap

Deliverables:

- LocalKSM application for iOS and Android
- Full support of Air Protocol for KSM
- API for interacting with the AP - KSM implementation

The code for localKSM along the Air Protocol KSM implementation will both be open sourced from the get-go.

The Air Protocol team will be maintaining instances of all the services required for the correct operation of localKSM. Alongside this we will also be maintaining open nodes that can be used by the community if so desired.

The GraphQL API used for easier interaction between the Apps and the AP nodes will also be open sourced in a near future once further development is completed. In the mean time it will be publicly accessible to anyone who desires to use it and will also be maintained by the Air Protocol team.

Time Frame: 3 Months

Request: 13.2k KSM

Full time members: 4

Milestone 1 — Implement KSM support & Design — 1 month — 4400 KSM

Objective:

Create initial design and base components needed for LocalKSM platform along with the main functions required for the protocol to support escrow and transaction management on the Kusama Blockchain.

Full time team members: 4

Implement KSM support

- 1- Develop wrapper for multisig from utility pallet.
- 2- Creation of base methods required to support KSM.
- 3- Air Protocol adjustments to KSM specific functions or required data.

Design for app

- 4- Details to change on front end pre existing components
- 5- Customization of views

Details:

1- Develop an extension to polkadot-js to add multisig functionality from the utility pallet. The optimal option is to find a way to extend the API to enable the multisig functionality. If complications arise we would consider utilizing other mechanics such as the Shnorr Signatures lib for which we would write a tool/service to better integrate to our system.

2- Creation of base functions in Air Protocol to support KSM (Escrow creation, Escrow management, Disburse mechanics, Adjudication disburse.).

3- Changes to data or message passing derived from potential peculiarities of the multisig implementation. This will be determined once the wrapper for the multisig is completed.

4- We will work on modifying a set of React Native components we've been creating for app implementations that use the Air Protocol. Components will be adapted or redesigned to suit the localKSM presentation.

5- Modifications of views and flows from the apps to better handle any specific requirements from the localKSM implementation.

Milestone 2 — App KSM related Utilities & App API changes — 1 month — 4400 KSM

Objective:

Adapt API gateway and backend in general.

Develop any required utility services to manage users, keys and non AP related calls to the Kusama Blockchain.

Full time team members: 4

App KSM related Utilities

- 1- KMS (Key Management flows)
- 2- Creation of wallets for users

- 3- Basic actions required by app withdraws and transaction validation.

App API changes

- 4- API changes to maintain localKSM flows and transactional data requirements.

Details

1- Implementation of Key Management for production service to easily enable access by users to their keys while enabling simple sign up mechanics such as social media.

2- Service to manage accounts for users in the application. In this first iteration all users will have a new address used for transactions in the platform. Thus we will create a small service to enable easy creation of said accounts.

3- Helper service to enable easy withdraws from the users account to external addresses. This service will also monitor transactions on chain to reflect data on the application.

4- Changes to the current AP Node GraphQL API. We will be modify the API service to enable all localKSM interactions with Air Protocol nodes.

Milestone 3 — Launch preparation — 1 month — 4400 KSM

Objective:

Do thorough testing of app in the mainnet and go through functionalities pre launch.

Prepare infrastructure for deployment to production.

Launch LocalKSM!

Full time team members: 4

- 1- Create Unit tests for critical components.
- 2- Deploy infrastructure live.
- 3- Upload and release apps (iOS & Android).
- 4- FAQ for platform.
- 5- Anything that's needed to get a successful launch!

Details

1- Creation of unit tests for critical components in KSMs implementation. This include tests for the creation of escrow and disbursement of escrow for all its scenarios (Successful, Adjudication in favor of buyer or seller). All tests will be written using Jest and will be easily executable in AP node code through npm.

2- We will work towards the deployment of all services and configurations needed to launch a production ready version of LocalKSM. This include relaunching nodes supporting KSM, launching all utility services, launching graphql API, configuring KMS and other services required to operate the system.

3- Uploading the applications to App stores with production configurations.

4- Create simple FAQs for the use of the applications.

5- Self explanatory! :) We will do whatever it takes to ensure a successful launch of the LocalKSM Apps!

Future Plans

- Further app flow customization if required.
- Create further documentation and tutorials for code and app.
- Web version of application
- Automation of infrastructure for easier containerized deployment.
- Develop the LocalKSM network and liquidity.
- Further develop use cases of the AP which would share their liquidity with LocalKSM.
- We are planning on further enhancing the Air Protocol infrastructure and adding a use case specific chain which will serve to enhance some of the Air Protocols capabilities.

Additional Information

LocalKSM is a local exchange focused towards KSM/Fiat through p2p. It's creation is built over current development and efforts done by Air Protocol. Air Protocol has so far built the base of the infrastructure which entails the protocol implementation itself, the self healing mesh network which serves as the core of the infrastructure and for secure data transmission. The AP team has also started work on other front end implementations, all of this work will be additive to aid the expedient development of LocalKSM.

Air Protocol so far has relied on a grant from Airtm.com which resulted in the initial implementation of the protocol with support for stellar. As well as aprox. \$120k which has been self funded to maintain the project.

Air Protocol is certainly not the only p2p market out there, however it is the only one meant to function as a p2p chain agnostic layer for the creation and support of multiple applications.

Unlike centralized p2p platforms like LocalBTC, Paxful and Airtm, the AP is fully non custodial and can manage full distribution of its infrastructure.

Bisq is an existing non custodial distributed app for p2p Bitcoin exchange, however it is different from the AP as it is not meant to support anything else other than Bitcoin and it's meant to work only with their App.

LocalKSM will be built on top of the AP. This allows us to bring the mechanics we've tested to KSM, as well as build it on an infrastructure layer that can later be used by members of the community, all while leveraging aggregated liquidity and shared infrastructure.