

Team: API LatAm

Period: 1 Feb 2023 - 31 April 2023 (3 months)

Cycle: #4

Amount Requested: 21,000 USDC

Destination: 0x13B06db56A686271a73C39B8d8C9dba13B4DF567

TL;DR:

- API LatAm built a Raffle as a service dApp, using QRNG, called "QuantumFair" (QF).
- QF allows anyone without technical knowledge to easily launch their own NFT quantum raffle on-chain.
- QF contracts are modularized and can later allow participants to access raffle services from various platforms like Discord, Telegram, and Twitter.
- QF's goal is to engage communities and build API3 and QRNG awareness.
- QF will be native to Optimism because OP is the only L2 that strongly supports the regional LatAm growth.
- API LatAm corporation will take advantage of El Salvador's recent January 2023 crypto law, providing it with further legal shelter.

Monthly Grants

Name	Role	Amount (USDC)
Rob	Co-lead	0
Andres	Co-lead	2,000
Giancarlo	Tech Developer	2,000
Business Dev (4 people)	BD, Marketing & Design	2,000

One-time Grant

Name	Role	Amount (USDC)
TBD	Website UX/UI	3,000

Proposal:

QuantumFair

API LatAm built a Raffle as a service dApp called "QuantumFair" (QF). People with little technical knowledge can launch their trustless on-chain quantum raffle using API3 tech.

QRNG was built to help further API3 brand awareness, and QF furthers that mission. We aim to showcase API3's Airnode and QRNG in a fun and easy-to-understand manner to Web3 communities. QF will provide API3 brand awareness by way of examples.

We envision QF to become the fair transference of value between communities and their members, starting with NFTs. For instance, if a community has a high-value giveaway, such as an NFT distribution, notable event entries, or airdrops, the community could use QF to easily, transparently and securely transfer such prized NFT with quantum randomness. Since this exchange will occur using on-chain QRNG methods, it will help build a stronger trust bond between members of the community.

Here is a link to a video demo technical presentation by Giancarlo:

Technical Overview

<https://youtu.be/ZaeFxKTuC1w>

Technical Demo

<https://youtu.be/4EE-EvxmhZI>

Summary of Technical Demo:

We built a suite of smart contracts that enable the creation of raffles onchain using QRNG requester contract, a suite of vaults for asset securitization, and an ACL implementation using NFTs. Most contracts are based on proxies implementations, and the platform is based on modules.

Why Optimism?

Optimism is the only L2 that strongly and directly supports regional LatAm development. Eth- Foundation has been a strong supporter of this regional growth as well. As a result, many API LatAm colleagues, friends, and communities are Optimist and up to date with the latest ETH and OP developments. We find it a perfect match to launch with such communities.

Moreover, focusing on Optimism will help the API LatAm team build stronger ties and relationships within the community. The OP stack will continue to grow more robust into a critical solution for Ethereum. QF can help build utility and foster new communities in Optimism.

Thus, API LatAm's QF can position itself well in this optimistic future for OP communities.

When Launch?

Within 2 months we will have an alpha demo ready to showcase to API3 DAO and communities in Optimism. Most of the backend foundation contracts are completed for this demo, and now we're working on the UI/UX.

By the end of this cycle or early next cycle, we look for a full MVP product to be entirely usable by communities. Our BD team will make various soft launches with different Optimism LatAm communities.

As readers may recall, El Salvador became the first country to make Bitcoin legal tender. Last month, El Salvador again made trailblazing efforts by regulating Digital Assets like cryptocurrencies.

API LatAm corporation of El Salvador is well positioned to take advantage of this regulation and seek further legal shelter. This regulatory license would be a priceless value add to the API3 DAO.

Road Ahead

Raffles are as old as many ancient civilizations themselves. QF is a product that, if done correctly and with a bit of luck, could ultimately lead to a self-sustaining dApp. As a result, QF could become an API3 self-sustaining promotional product. Thus, API LatAm would not be a continuous resource expenditure of the API3 DAO.

Thank you for reading, and we are Optimistic about everyone's future. —