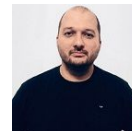




# Developer experience, from Ethereum to Tezos through deFi Phase 2

Tezos DeFi Dapp

May, 28th, 2020



**Mariano Agüero**  
Sr. blockchain Engineer  
mariano.aguero@altoros.com



**Nicolás Domínguez**  
Sr. blockchain Engineer  
nicolas.dominguez@altoros.com



**Cristian Malfesi**  
Project Manager  
cristian.malfesi@altoros.com

# Github repositories

#1

[Tezos DeFi Contracts](#)

#2

[Tezos contracts examples](#)

#3

[Curated list Awesome Ligo](#)

#4

[Tezos DeFi DApp](#)

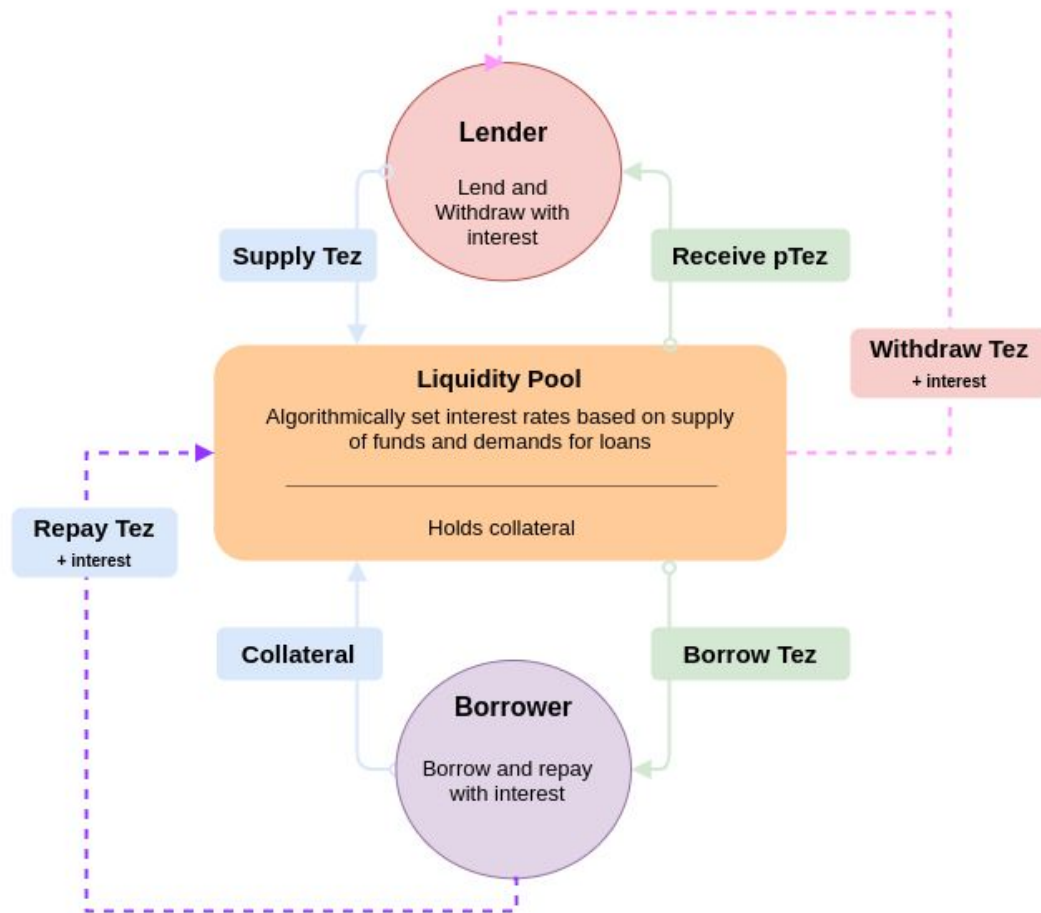
#5

[Tezos React Starter](#)

#6

[Tezos Price Oracle](#)

# Flow



# Some Defi concepts used in the contracts

## Liquidity Pool

The Liquidity Pool is autonomous open source software deployed to the Tezos blockchain. Digital assets (stablecoin, cryptocurrency) are supplied to and borrowed from the Liquidity Pool. These assets have algorithmically derived interest rates, which are based on supply and demand.

## The Collateral Factor

The maximum amount users can borrow is limited by the collateral factor. Right now is 80%.

## Account Liquidity

The pool contract provides an easy to use function that calculates your account's liquidity,

## Borrow Balance

This is the sum of a user's current borrowed amount plus the interest that needs to be repaid

## Interest Rate Model

Following the "Price Theory", interest rate will act as a function of demand and supply, resulting in a decrease in interest rate when the demand is low and vice versa when the demand is high.

# UI - Demo

Note: you are currently connected to the Carthagenet network.

Liquidity pool

tz1Szh...6pkH | Disconnect

Pool stats

Deposits: 177 ₮

Borrows: 10 ₮

Liquidity: 177 ₮

Collateral rate: 80 %

My balances

Supply: 10 ₮

Borrow: 4 ₮

Supply

Asset	APY	Wallet
₮ Tez	0.1641 %	37982.491323 ₮

Available to borrow

Asset	APY	Wallet	% of limit
₮ Tez	3.0695 %	37982.491323 ₮	50.0000 %

Disclaimer: this application is for educational purposes only.

Repositorio: <https://github.com/protofire/tezos-defi-dapp>

Live Demo: <https://tezosdefidapp.netlify.app/>

# Starter Kit

Note: you are currently connected to the Carthagenet network.

Starter

tz1NAN...M8Rw | Disconnect

My balance

User balance: 17.00 ptez

Token name: Pool Tezos coin

Token symbol: pTez

Token decimals: 18

Can mint tokens? Yes

My actions

Allow

Transfer

Give me 5 tokens

Repositorio: <https://github.com/protofire/tezos-react-starter>


Live Demo: <https://tezos-react-starter.netlify.app/>

## Blog posts

 [Tezos \(Part 4\): How to Integrate JavaScript with Smart Contracts and Run Unit Tests](#)

 [Tezos \(Part 5\): Token Standards](#)

 Recommendations to Enhance Security of Tezos Smart Contracts *(Tezos proofread phase)*

 How contracts communicate with each other in Tezos *(Proofread phase)*

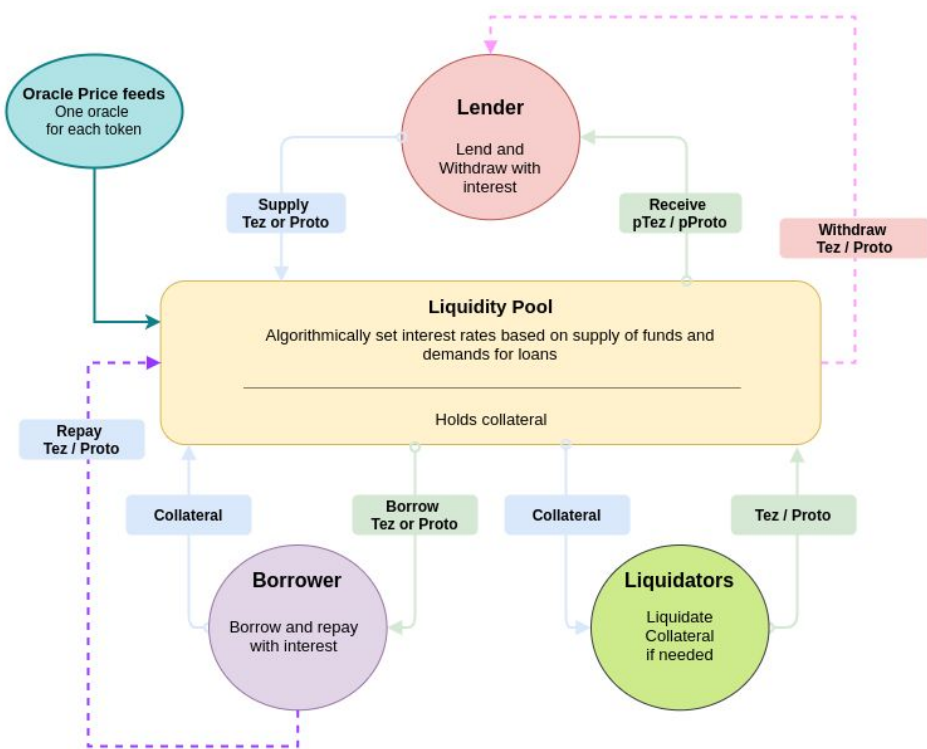
 Build an User interface using Taquito and DeFi contracts *(next)*

 [A journey through DeFi Smart Contracts with Ligo](#) (Agora forum)

 [Token Standards Comparison](#) (Agora forum)

# Challenges of Phase 3

All interactions of DeFi Smart Contracts



#1

Higher complex smart-contracts

#2

Support multiple assets (FA2) for lend and borrow

#4

Price Oracle for each Token

#5

New complexity level of interest rate calculation base on the supply and demand

#6

Collateral liquidation using mock exchange

#6

Truffle





Questions...  
Feedback...

<https://protofire.io>



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<https://github.com/protofire>