

## Intro

The following pages demonstrate the borrow/lending process end-to-end, starting with the lender depositing funds and ending with the borrower acquiring those funds.

Once this process is understood, the remaining processes (repayments, liquidations, flash loans) are trivial.

Agenda:

1. We start by looking at various state & oracle accounts that oversee borrow/lending and are needed for the protocol to function.
2. We then go through the actual borrow/lending process step by step.
3. We provide a snapshot of the entire process as a single page summary.

Throughout the manual 2 types of tokens are mentioned:

1. Liquidity tokens = tokens actually deposited / borrowed
2. Collateral tokens = think of them as "LP" tokens minted in return for depositing liquidity

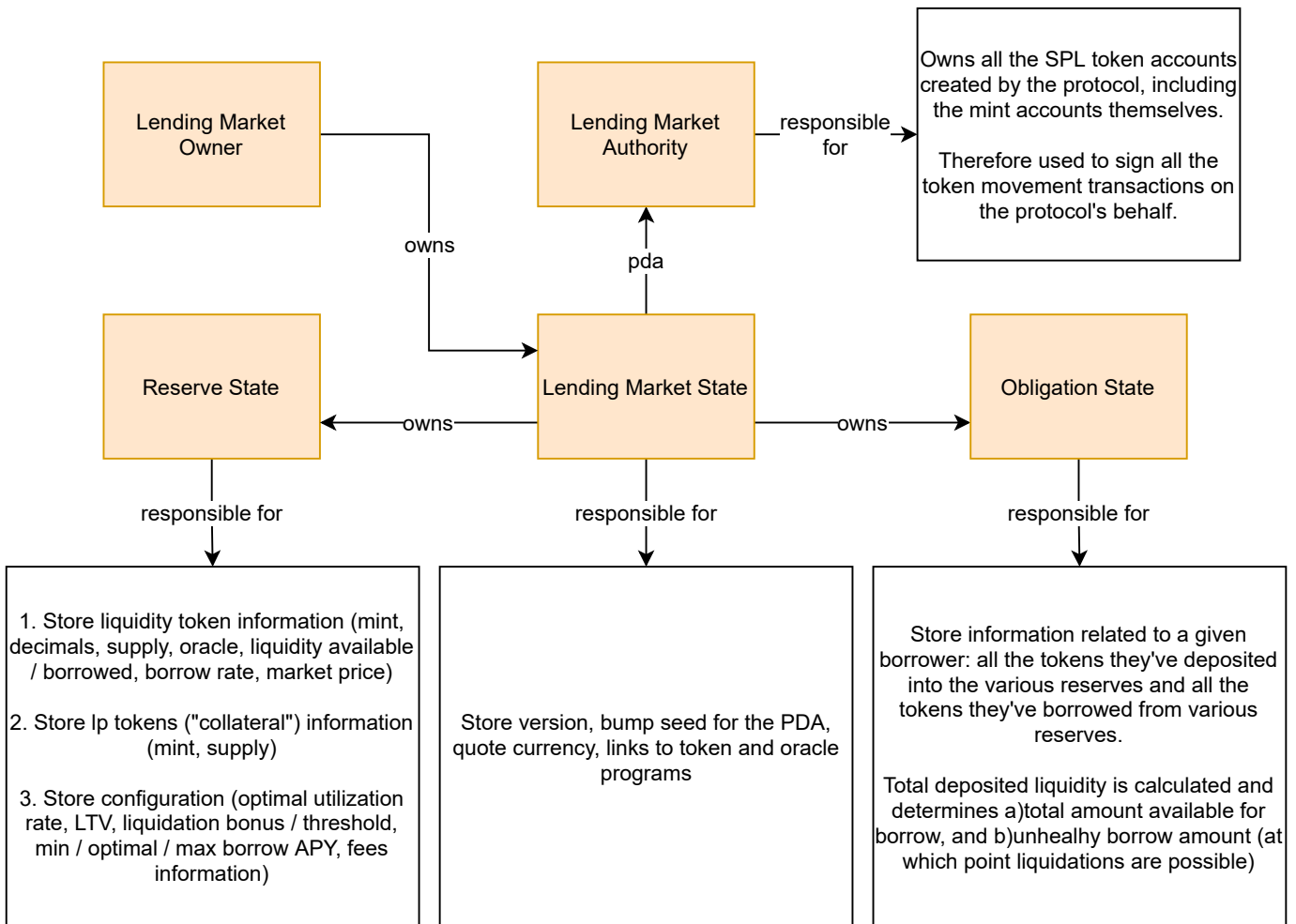
## 0. State / oracle accounts

2 types of peripheral (non token holding) accounts are involved in borrow/lending:

1. State accounts
2. Oracle accounts

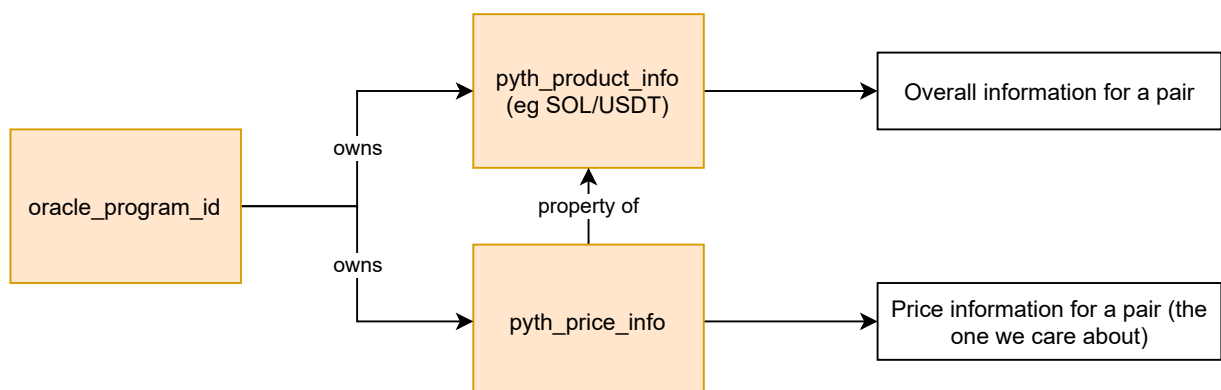
State accounts, like the name suggests, hold the state of the protocol. This includes the state of the protocol as a whole (Lending Market State), the state of each specific deposit pool, such as SOL or USDC (Reserve State) and the state of each individual borrower (Obligation State).

The relationship between the 3, and functions performed by each are shown below:

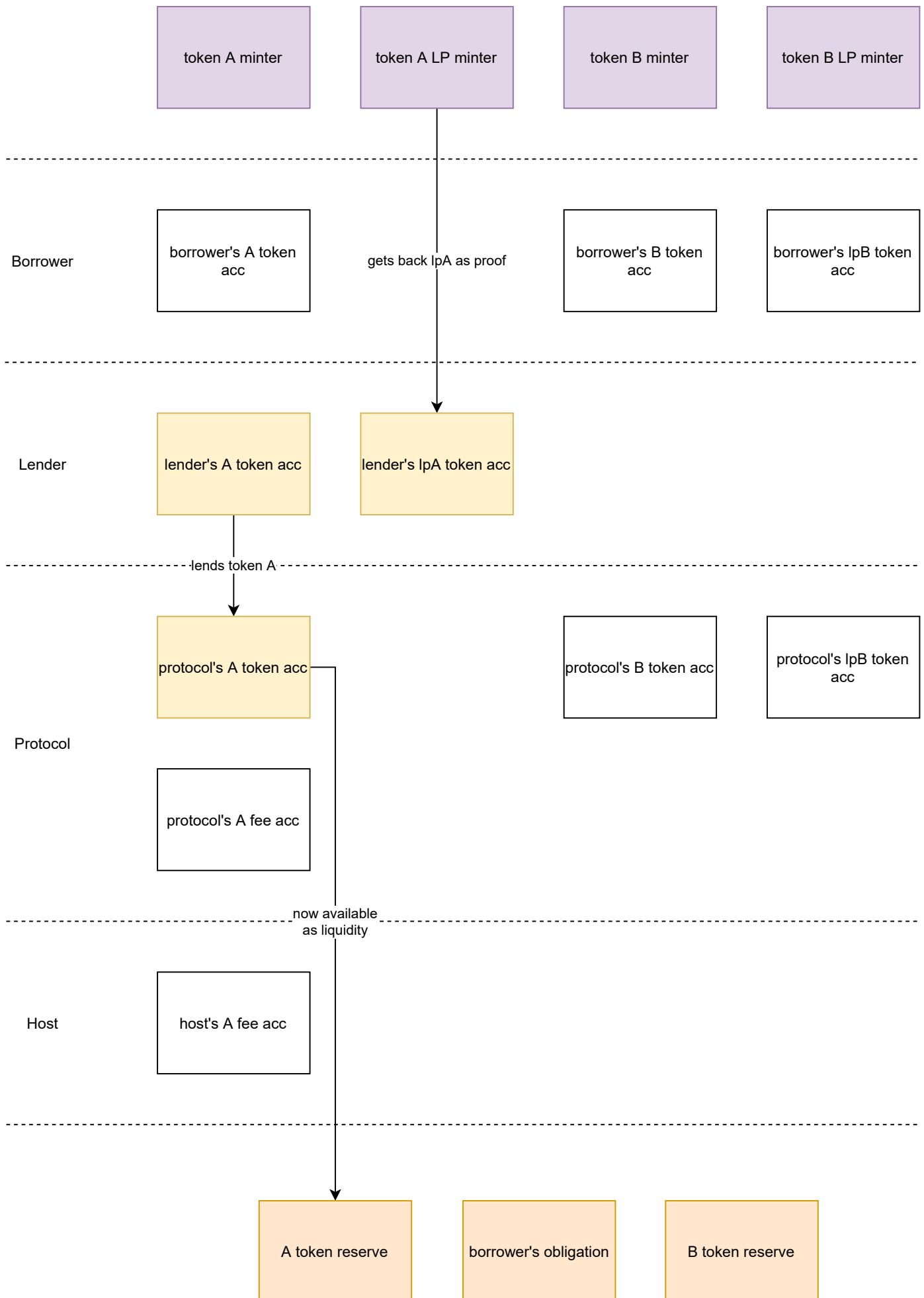


Next there are oracle accounts. Like the name suggests, they are responsible for providing price information for the protocol to decide on how much an individual user can borrow (given their deposits), and where their liquidation happens. Oracles are provided by Pyth network. More [here](#).

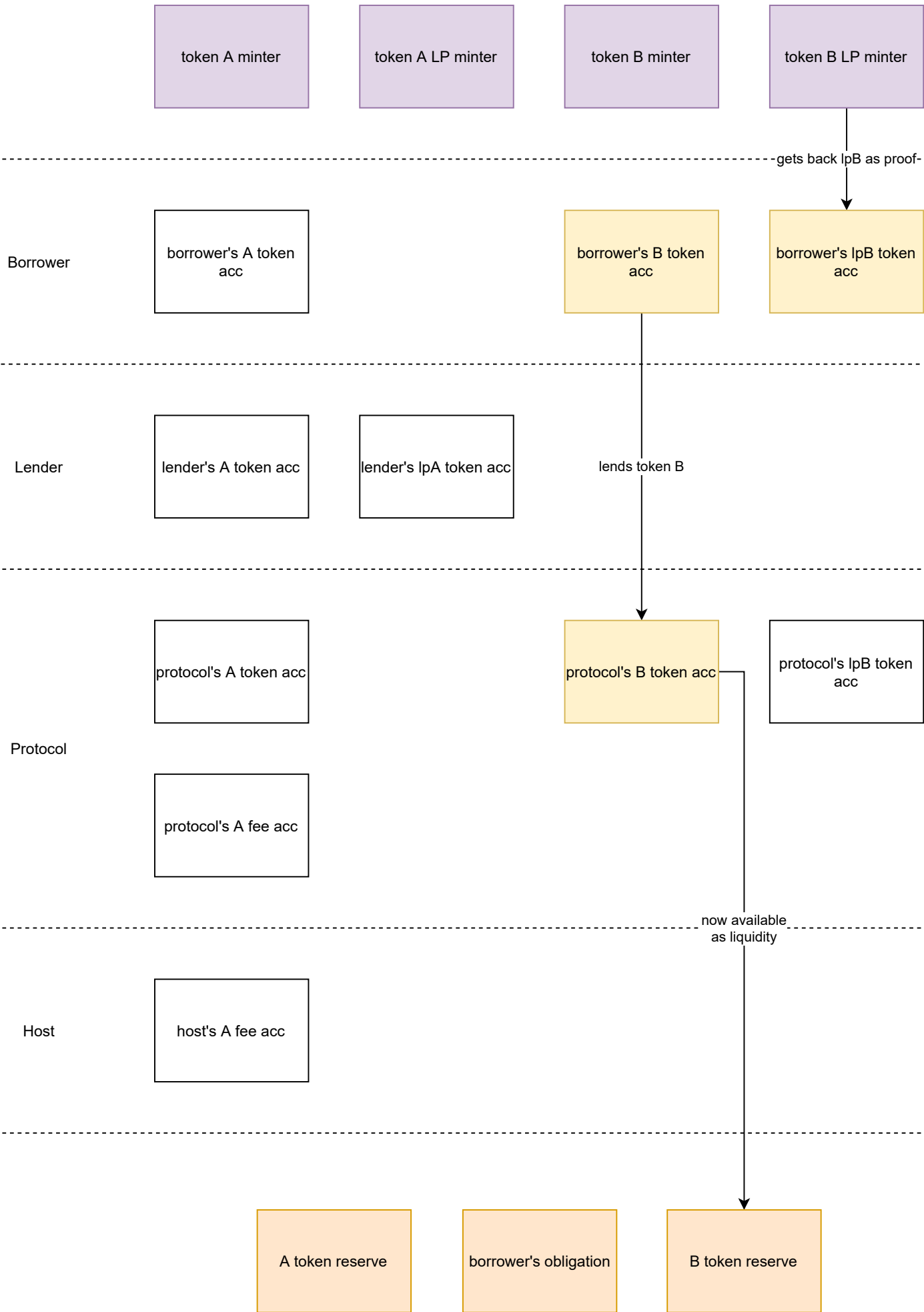
The rough architecture is as follows:



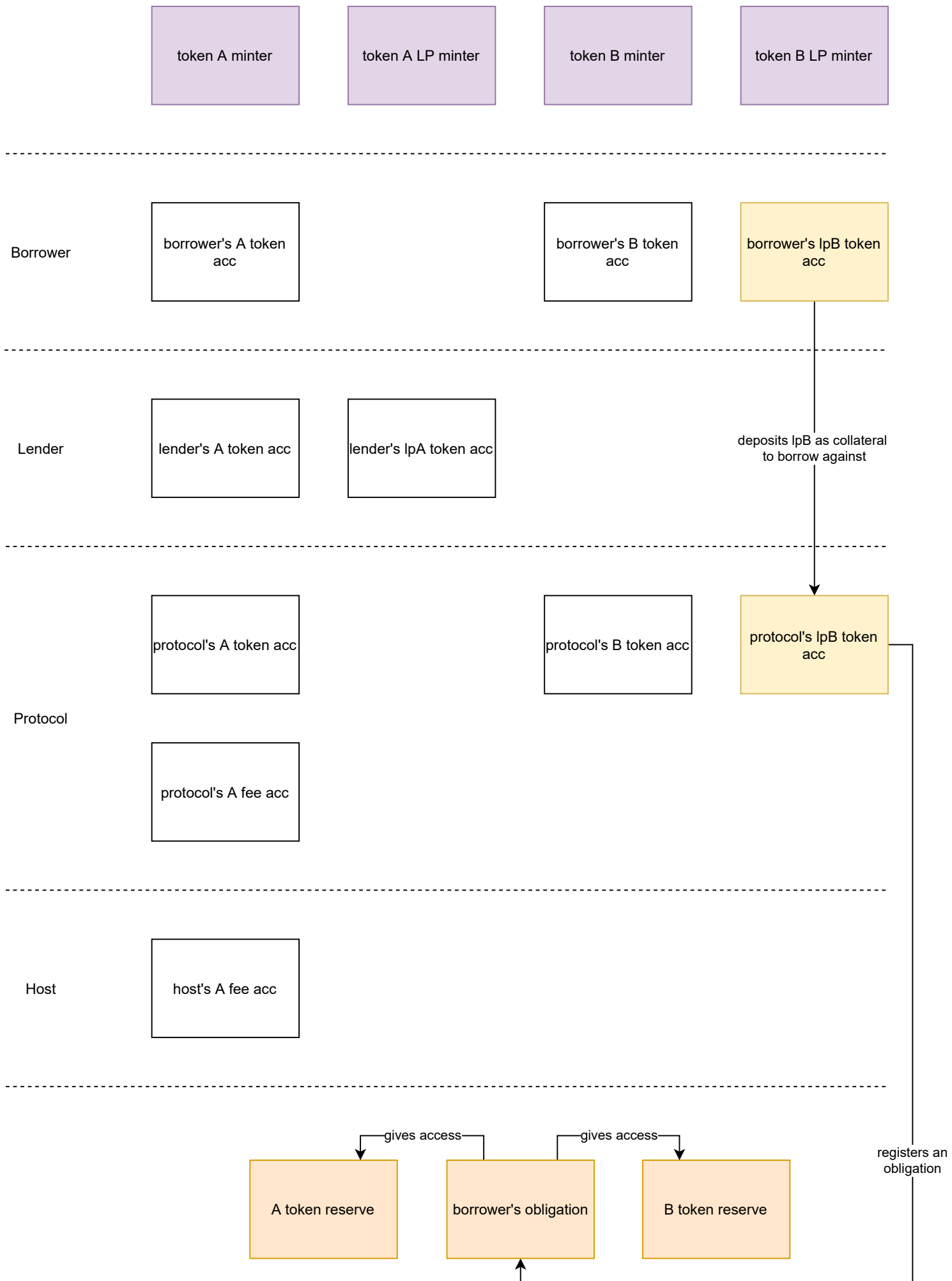
# 1. Lender deposits token A liquidity



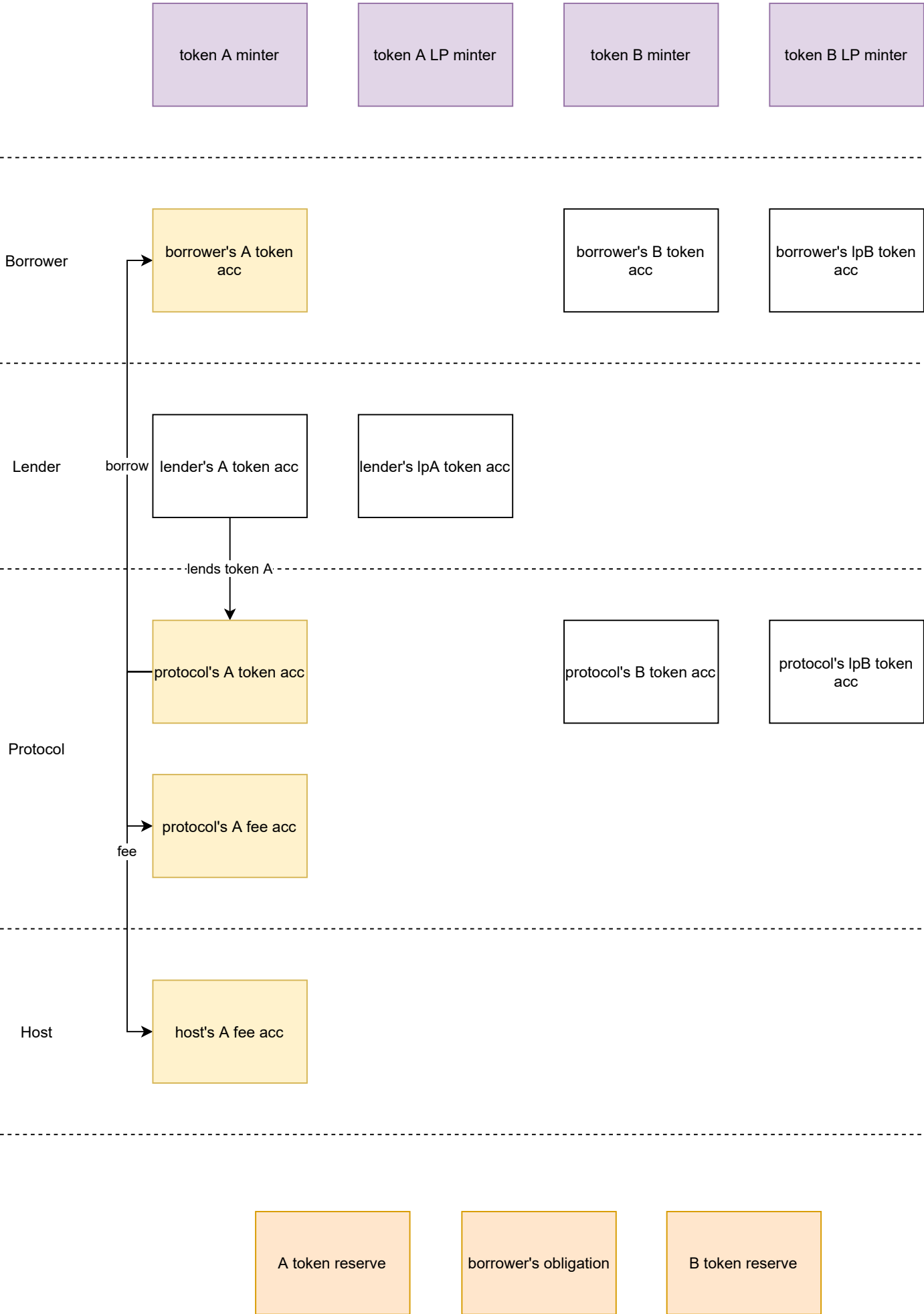
2. Borrower deposits token B liquidity



### 3. Borrower deposits bLP tokens as collateral



4. Borrower withdraws token A liquidity against their bLP



## Summary of 4 steps

