

# Verified RWA Markets

Enable

Requirements specification and Architecture for  
Comet Extension

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## Summary

Verified RWA Markets allows asset managers of real world assets to sell them for collateral that can be used to borrow liquid digital assets, and for users to buy staked real world assets with collateral supported on Compound and earn income from underlying real world assets.

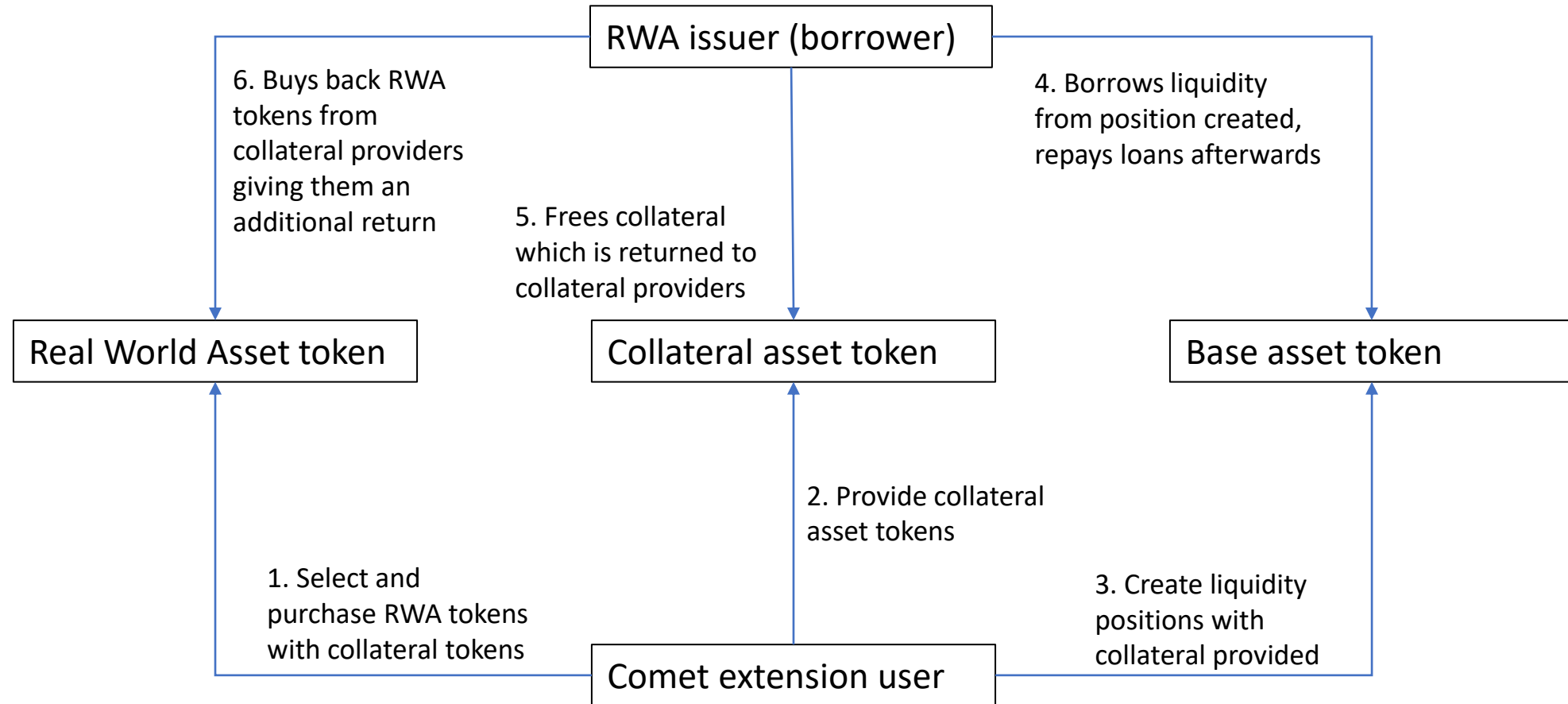
# Description

- Real World Assets (RWAs) are a pair of <asset token, currency token>, where, asset token represents underlying asset (eg, real estate trust unit) and currency token (eg, USDC) is what is used to invest in the asset token.
- RWA asset token issuers need liquidity. They could be very interested in borrowing from Compound protocol.
- The Compound protocol can only supply liquidity with base tokens for RWA asset tokens that have put up sufficient collateral on Compound.
- RWA asset token issuers can borrow currency (base) tokens at a for a satisfactory <collateral token, base token> collateralization factor.
- Credit enhancement is required for RWA asset tokens to provide collateral for such loans from the Compound protocol, and collateral providers can benefit from higher interest rates paid by the RWA asset token issuers after repaying loans taken from the Compound protocol.

# Requirements

- Use a web extension to show RWA assets, and let Compound users view collateral posted by RWA issuers and balance collateral required.
- Let Verified Markets web extension users enhance credit by purchasing the corresponding RWA asset token with collateral tokens.
- Let collateral tokens provided create positions for RWA asset token issuers to borrow base token liquidity by RWA token issuer.
- Let RWA asset token issuers repay loans from Compound and pay out net interest margin to collateral providers.
- Let any default in repayments by RWA asset token issuers to Compound liquidate collateral provided by credit enhancers.

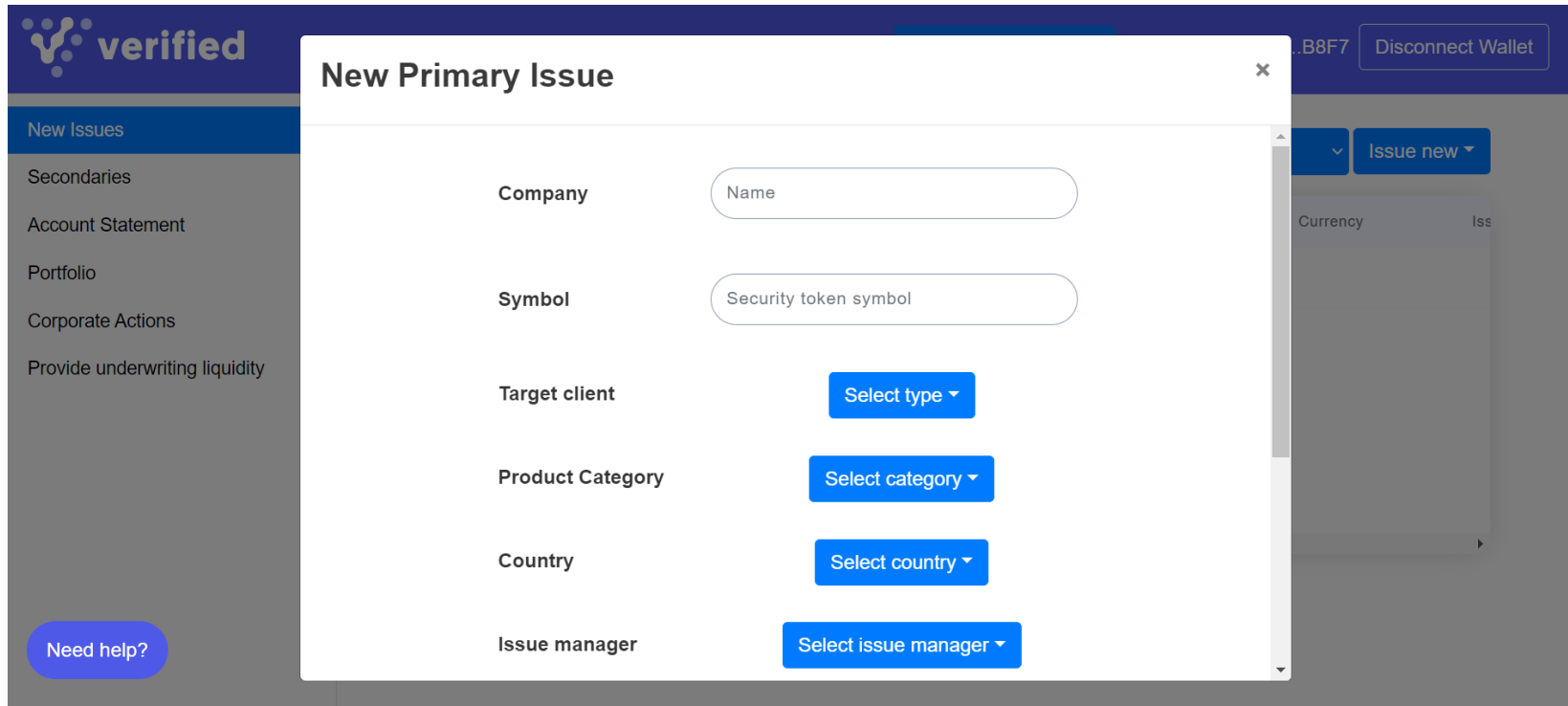
# High level Architecture



# Benefits

- RWA issuer : liquidity from Compound
- Comet extension user : additional returns from Compound
- Compound protocol : more collateral and base assets from borrowers and comet extension users
- An illustration of the economic model
  - RWA issuer borrows USDC from Compound @3.95% APY
  - Collateral providers (Comet extension users) buy RWA tokens for collateral tokens (eg, WETH) that get posted on Compound @3.05% APY
  - RWA issuers pay 3.95% to Compound and the balance yield on the RWA (eg,  $14\% - 3.95\% = 10.05\%$ ) to collateral providers who earn 3.05% (from Compound) + 10.05% (from RWA issuers) = 13.1% APY
  - Collateral is freed up and returned to collateral providers.

# UI – Submit RWA tokens from 3rd party Dapps using API



The screenshot shows a web interface for 'verified' with a sidebar menu on the left containing 'New Issues', 'Secondaries', 'Account Statement', 'Portfolio', 'Corporate Actions', and 'Provide underwriting liquidity'. A 'Need help?' button is at the bottom of the sidebar. The main content area features a modal window titled 'New Primary Issue' with a close button (X) in the top right corner. The form inside the modal has the following fields:

- Company**: A text input field with the placeholder 'Name'.
- Symbol**: A text input field with the placeholder 'Security token symbol'.
- Target client**: A blue button labeled 'Select type' with a downward arrow.
- Product Category**: A blue button labeled 'Select category' with a downward arrow.
- Country**: A blue button labeled 'Select country' with a downward arrow.
- Issue manager**: A blue button labeled 'Select issue manager' with a downward arrow.

In the background, behind the modal, there is a 'Disconnect Wallet' button and a dropdown menu with 'Issue new' selected. Below this, there are labels for 'Currency' and 'Iss'.

Comet extension operator to provide APIs for

1. Submitting asset details
2. Post collateral
3. Borrow
4. Repay
5. Buyback

Each RWA token should create its own position on the Comet operator.

# Extension UI – Select RWAs on Compound extension

List of Proposed RWAs

Asset name	APY %	Issuing documents	Face value	Collateral posted	Vote
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Connect wallet

Total votes

Votes in favour

Votes against

# Extension UI – Buy RWA tokens to provide collateral

List of Selected RWAs

Asset name	Borrowing	Repayments	Collateral posted	Collateral balance	Trade
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Connect wallet

Issuer name and brand mark

Issued product details

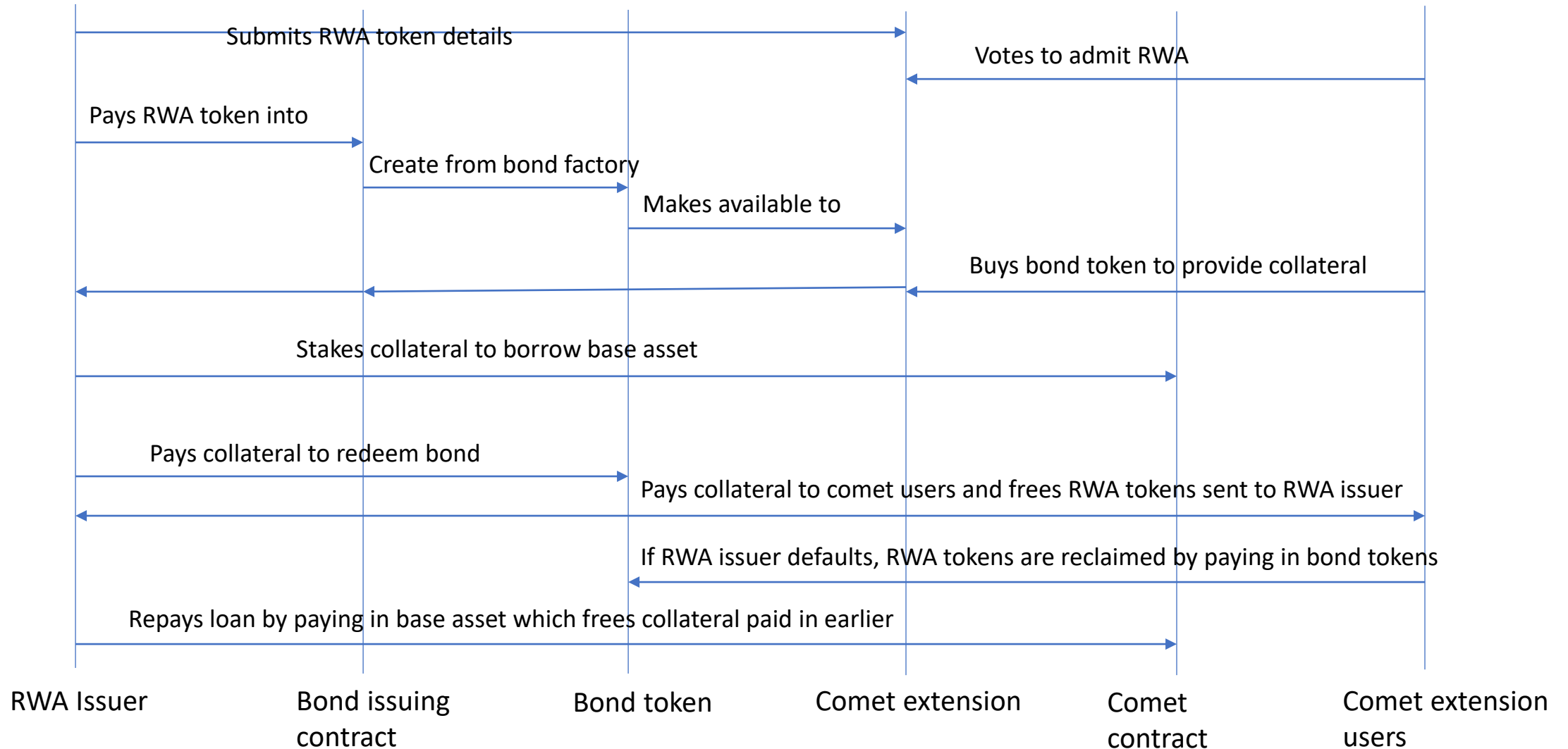
Returns on investments

Collateral posted by me

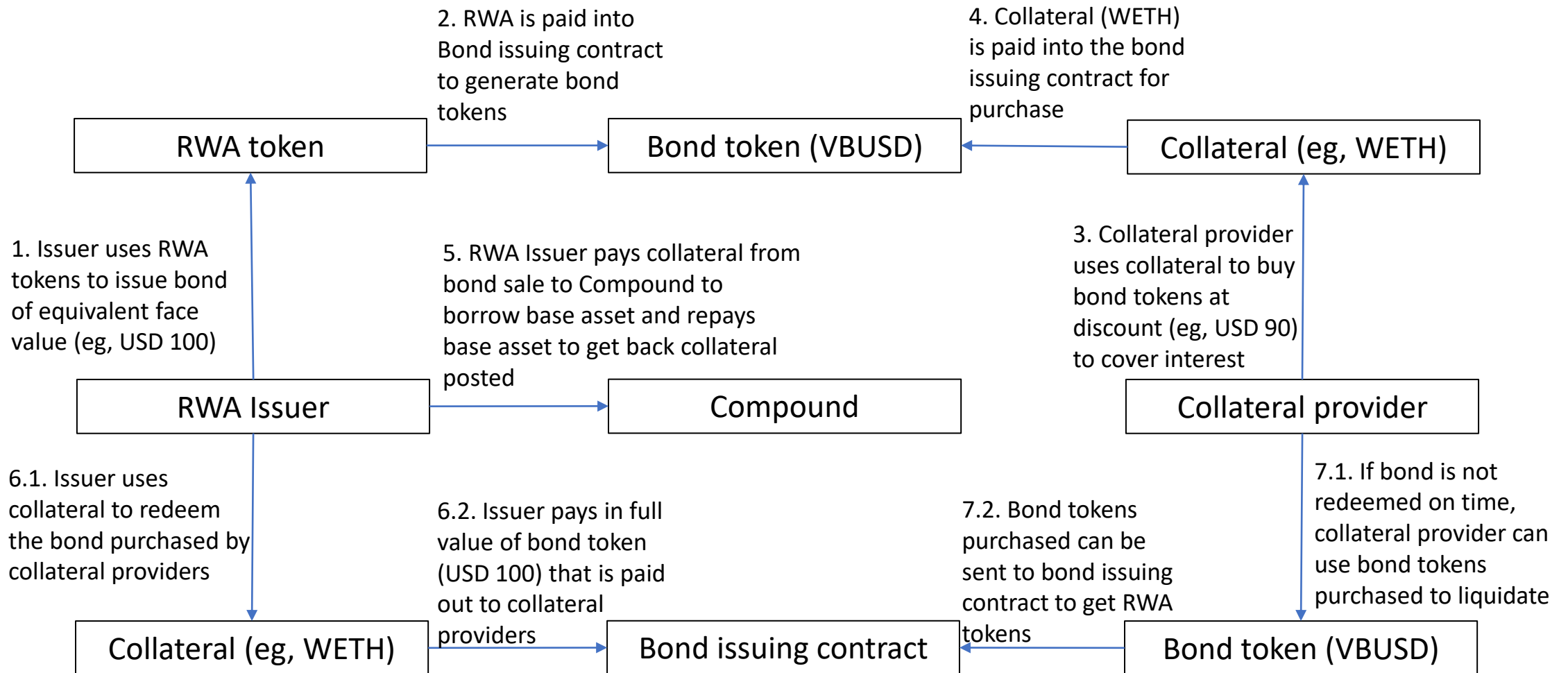
Earnings till date



# RWA Comet extension workflow sequence



# Issuing, Purchasing, Redeeming RWA tokens for Collateral



# Your feedback is welcome.

## Notes

- Voting function to accept RWA in slide 7 is not mandatory – should it be included ?
- Bond tokens referenced in slides 9 and 10 are assets on the Verified Network, and this is an example. Assets on other RWA issuing platforms such as Maple finance can be different. Bond tokens are cited here as an example.