

Polylaunch

Safer, fairer Web3 fundraising

True Stakeholding: supporters receive a functional NFT
Venture Bond with unique privileges

Safe: DAO-based capital management prevents rug pulls

Yield Bearing: locked stablecoin funds are invested into
yield bearing protocols through a Polyvault

Aligned Incentives: based on transparency and trust

Problems

Rugs cut multiple ways:

- Scammers launch credible-looking projects, raise capital and then stop working
- Early investors dump liquid tokens on retail investors at launch

Honest projects raise capital, launch, then fail to deliver

Early investors cannot liquidate their vested assets if they want to exit their position

Solution

Safer, fairer token fundraising, building upon the [DAICO \(Vitalik, 2018\)](#)

- Supporters invest a stablecoin (like Dai) to receive a **venture bond**, a functional NFT
- Venture bond holders are streamed purchased project tokens over time
- Developers are streamed raised funds over time - meanwhile, locked assets can earn yield in a yield bearing protocol via a Polyvault
- Venture bond holders can vote to collectively revoke project funding and reclaim invested Dai
- Or they can sell their venture bond to exit investment position while still vesting, without dumping tokens on market



Launchers

Honest projects looking to raise capital

Initiate Polylaunch: transfer project tokens to the Polylaunch contract with launch parameters

Supporters invest stablecoins; reaching soft cap means project is funded

Launchers withdraw Dai on a schedule, which they can vote to accelerate: secure, automated treasury management

Supporters

Invest stablecoin to purchase project tokens locked in the contract

If soft cap is reached, Supporters can claim an NFT **venture bond**

Venture bond entitles the holder to a vesting stream of project tokens and governance rights

Venture bond can be traded on secondary market, or bond holders can vote to revoke funds



Venture Bonds

A new DeFi primitive: functional, financial NFTs with governance rights

ERC721 tokens: composable with other NFT protocols, and governance and vesting tokens are transferable with the venture bond

Supporters can keep the Venture Bond NFT as a collectible - evidence of their early support for a project



Benefits

No more rug pulls - if a project scams or severely underperforms, trigger a refund vote

Unvested assets are liquid as Venture NFTs - supporters can exit still-vesting positions by selling their venture bond

Supporters receive a collectible which serves as evidence of their early support for a project

Launch teams gain a more informed, engaged community

Launch teams prove to supporters that they have no intention of scamming or misrepresenting themselves

Launch tokens are stablecoin- backed due to the possibility of refund, not just speculation backed. Tokens therefore have a price floor

Launch tokens are a lower risk investment than non Polylaunched ERC20 tokens



Status

Solidity contracts are nearly ready for audit, currently undergoing peer review

Front end is developed, contract connections pending

More details in the Polylaunch Protocol whitepaper - open for comment at <https://hackmd.io/@polylaunch/BJxaI06HO>

Next: token economics, project and artist onboarding



Smart Contracts

```
18 /**
19  * @title A tradable tap access control token system, with perpetual equity to creators
20  * @notice This contract provides an interface to mint a venture bond with a market
21  * owned by the creator, market to be modified.
22  */
23 contract VentureBond is IVentureBond, ERC721Burnable, ReentrancyGuard {
24     using Counters for Counters.Counter;
25     using SafeMath for uint256;
26     using EnumerableSet for EnumerableSet.UintSet;
27
28     /* *****
29      * Globals
30      * *****
31     */
32
33     // Address for the market
34     address public marketContract;
35     // Address for the market
36     address public launchContract;
37     // Deployment Address
38     address public deployer;
```

```
22 /**
23  * @author PolyLaunch Protocol
24  * @title Basic launch
25  * @notice A PolyLaunch DAICO launch contract following an IBC0/Dynamic swap pool mechanism
26  * @dev should add a sweeper function to withdraw tokens accidentally sent into the contract
27  */
28 contract BasicLaunch is PolyVault, ReentrancyGuard {
29     using SafeERC20 for IERC20;
30     using SafeMath for uint256;
31     using LaunchUtils for LaunchUtils.Data;
32     using LaunchRedemption for LaunchUtils.Data;
33     using LaunchGovernance for LaunchUtils.Data;
34     using LaunchVault for LaunchUtils.Data;
35
36     using VentureBondDataRegistry for VentureBondDataRegistry.Register;
37
38     // storage struct for all information pertaining to a particular Launch
39     LaunchUtils.Data self;
40
41     VentureBondDataRegistry.Register register;
42 }
```

fixed-launch - polylaunch-core / solidity / contracts /

Go to file Add file ...

This branch is 2 commits ahead of master. Pull request Compare

OxSeldon enhancement: improved comments e4b88f 9 hours ago History

..

governance

enhancement: Improved comments 9 hours ago

launch

feat: made contract fixed price launch instead of linear bonding curv... 9 hours ago

polyvault

chore: changed excess redemption coefficient to value in polylaunch c... 3 days ago

proxy

enhancement: improved comments 9 hours ago

system

feat: withdraw function for System with corresponding tests 2 days ago

testing

enhancement: improved comments 9 hours ago

venture-nft

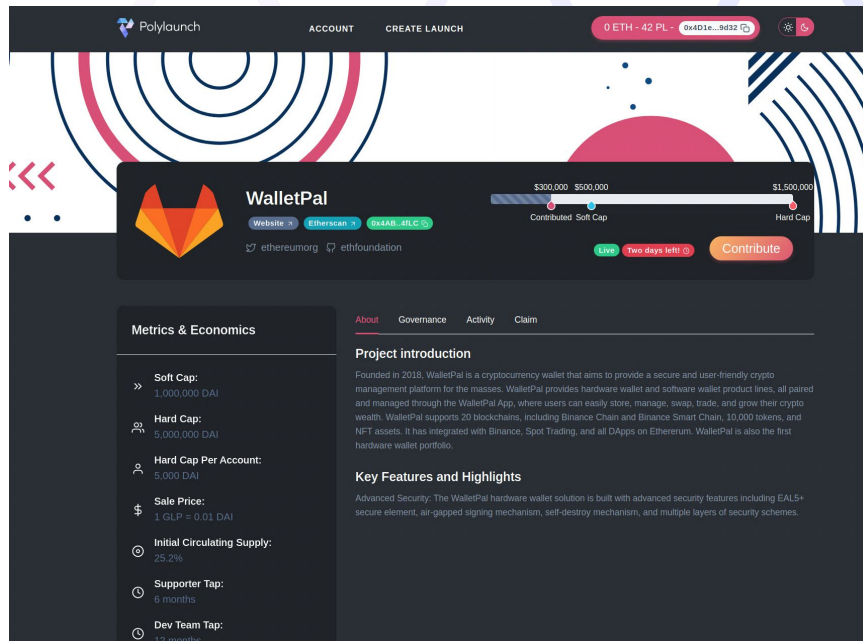
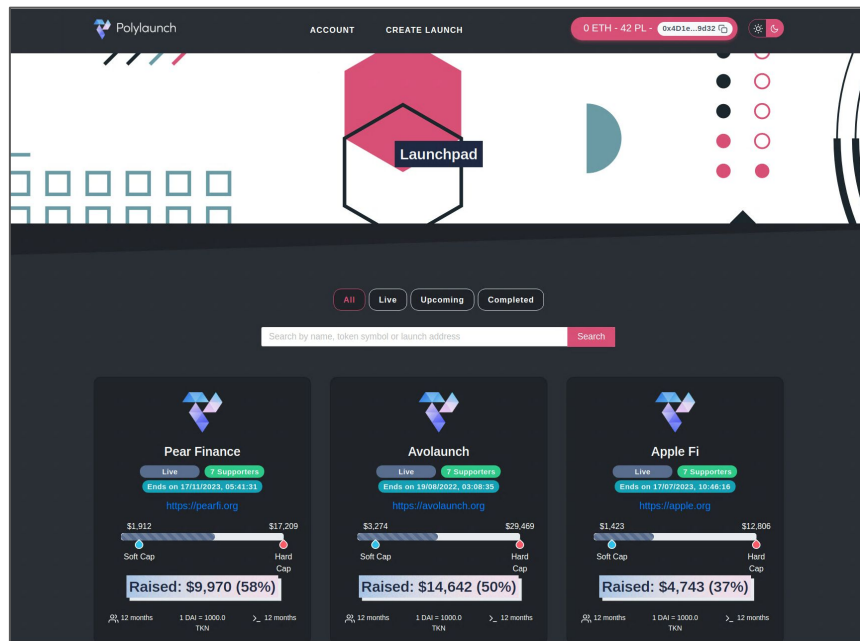
feat: made contract fixed price launch instead of linear bonding curv... 9 hours ago

Decimal.sol

enhancement: improved comments 9 hours ago

Polylaunch

Interfaces



Future

Regulatory compliance: third-party KYC

Venture bond composability in other DeFi / NFT protocols

Venture Options: collectible ERC721 call options on project tokens, with governance rights

Public goods funding / philanthropy - donors receive an NFT collectible with governance rights but no token stream



Get Involved



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