

BearShares Venture Design

for: potential donors

by: house _ 02/29/24

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What is BearShares?

BearShares is a blockchain smart contract that allows any image on the internet to be claimed by their original creators. The smart contract does this by integrating a standard Decentralized Autonomous Organization (DAO) based model, around “claim -> dispute -> vote -> settle”.

When you combine this model with the ability to automate image comparison, you effectively create a ‘credit bureau’ for memes on the internet. If you have the ability to validate meme creators, you can then back the value of NFTs with much more than just speculation. You can back the NFT with an actual ‘following’.

With this new layer of aggregated backing... we suddenly wind up with millions of meme ‘hobbyists’, tapping into a six billion dollar per year industry.

What makes this solution unique?

The secret sauce lies in how the images are stored and referenced within smart contracts

Traditional solutions: they store web links inside the smart contract, which actually creates a ‘centralized’ solution. This means, that if/when those web links are down, everyone loses the ability to access their NFTs (they can’t see their images). This flaw can easily be seen on every NFT marketplace as their images randomly fail for various NFT smart contracts throughout the day.

BearShares solution: we store image ‘hashes’ and integrate a comparison algorithm. This allows images to be stored anywhere on the internet, and simply be ‘validated’ during sales or transfers of ownership. This creates a ‘decentralized’ solution that can only fail if the entire internet goes down.

Aside from solving this simple ‘down-time’ problem that almost every NFT contract encounters, storing ‘hashes’ allows us to easily integrate image comparison algorithms. This is what allows us to support the meme creator ‘claim & dispute’ process.

Why memes?

Our market research shows us that memes are now a \$6B industry and growing by a billion dollars every year over the past 4 years.

75% of people between the ages of 13 to 36 engage with memes every day.

This is about 52 million Americans per day.

Memes are just the start. There are many industries that can be changed with the ability to combine DAO voting with ‘hashed’ data. However, we feel memes represent the most efficient target industry with the highest potential for early monetization. We see it as the easiest way to get people to start using the smart contract, quickly, and in masses. (further details outlined in ‘BearShares Customer Base’ below)

BearShares Use Case

The use case is fairly straight forward. Anyone can use the smart contract (dapp) to simply ‘claim’ any meme image on the internet. Validating a claim relies around a basic ‘Claim, Dispute, Vote, Settle’ process.

Here is the consolidated process ... (the gist)

- 1) user ‘claims’ an image on the internet
- 2) if the image has not been claimed
 - this user becomes the ‘creator’
- 3) if the image has indeed already been claimed
 - user can ‘dispute’ the claim by providing evidence
 - user can request help from ‘trackers’ to gather evidence
- 4) a vote occurs within the community to ‘settle’ the dispute

Here is the detailed breakdown ... (SM = social media)

Claiming an image

- 1) user provides a SM link to the image they want to claim
- 2) the smart contract verifies that this image has not yet been claimed
- 3) if the image has not been claimed
 - contract acknowledges this SM link / account / wallet combo as the creator
- 4) if the image has indeed already been claimed
 - user can choose to open up a ‘dispute’

Disputing existing claims

- 1) user selects an existing image claim from the smart contract to dispute
- 2) user provides a SM link to this image that 'pre-dates' the existing claim
- 3) the smart contract verifies both images are the same (validates the dispute)
- 4) if the dispute is valid
 - user offers a bounty to encourage 'trackers' for assistance

Tracker assistance

- 1) trackers search the internet for evidence either for or against an open dispute
- 2) trackers submit evidence to the smart contract

Settling claim disputes

- 1) after all evidence has been gathered, a community vote is offered to settle

BearShares Customer Base

early adopters: Meme addicts & hobbyists.

Our market research shows us that creating and sharing memes is a top rising industry, currently valued at over \$6B, with 75% of early to middle-aged Americans engaging every day. Most of these people are not getting paid or earning recognition for their work.

Considering these numbers, we see a neglected market that is waiting to take off. We see meme addicts & hobbyists as an excellent opportunity for 'quick & mass adoption' in utilizing our smart contract.

expanding adoption:

Successfully acquiring this 'quick & mass adoption' will allow our smart contract to be the first to claim a trusted 'credit bureau' like status on blockchains. After demonstrating and proving this status, we can then move on to verifying claims of ANY type of medium that is capable of using 'hashes'

Examples: images, audio, video, writing, digital safety deposit boxes, shared wallets & assets, shared passwords, etc.

Hence, in considering the possibility that meme hobbyist may indeed fail to adopt our technology, our solution offers easy pivots into these industry examples above.

late adopters: NFT market place and block explorer industry leaders.

Our smart contract can easily be used as a utility. This is the basis of our expanding B2B model. When these industry leaders take notice of how we are attracting new users and providing unique value within NFTs, we see them building (wrappers) on top of our integration. We are striving to encourage this behavior (within our source code), as we will naturally be collecting fees underneath every single transaction.

How does BearShares generate revenue?

The revenue model is fairly straight forward. In the section above, labeled 'BearShares Use Case', you will see a list of various activities that users can perform. Users will either pay or get paid to perform each of these activities.

1) Activities that users **pay to perform**: These payments will be stored by the smart contract in stable USD. A portion of these payments will immediately be used to buy & burn the BearShares token from the open market. The remaining portion will be held by the contract as revenue earned.

2) Activities that users **get paid to perform**: These payments will be minted out in BearShares tokens.

3) All activities performed will **require users to hold** BearShares tokens.

As long as the amount of tokens burned is greater than the amount of tokens minted, during any given dispute cycle, we can create a deflationary token distribution model. Combining this 'deflationary model' with the requirement of users 'holding' to perform activities, we can effectively promote scarcity and fight sell-offs of the BearShares token on the open market. With this type of algorithmic token support, we can incentivize users to engage in our contract by offering 'valued' BearShares tokens as payment.

NOTE: it's important to understand that during initial launch, burn amounts may NOT be greater than mint amounts. This will be by design as we need to first acquire our initial user base.

What is \$BSD (BearSharesDonor token)?

\$BSD is a **separate** simple ERC20 token that will be distributed to donors only, upon launch. Donors will receive these tokens at a ratio of 1 BSD to 1 USD donated.

Wallet addresses that hold \$BSD will automatically receive revenue shares in USD stable, as revenue is acquired by the contract. The amount of revenue received is proportionate to the amount of \$BSD held in any given wallet address.

The percent of revenue allocated for distribution to \$BSD holders will initially be set to 10%. However, this data set may effectively be used to claim an initial valuation of the venture as a whole. With this in mind, this percent of revenue distribution may indeed change depending on total donation received, as well as the performance of the venture during the first 6 to 12 months.

\$BSD holders can freely exchange their \$BSD for native BearShares tokens, by using the BearShares contract 'buy-back' feature. The exchange rate will be locked at 1 BSD to 1 USD value 'in BearShares tokens'.

\$BSD holders may also choose to freely sell their \$BSD tokens on the open market. The locked “buy-back” rate mentioned above, will support an ‘open market exchange rate’ of 1 BSD \geq 1 USD value.

Support metrics...

1 BSD is unlikely to fall below 1 USD, as the contract buy-back always offers 1 USD (similar to some stable coin algorithms)

1 BSD is likely to rise above 1 USD, since BSD holders may earn revenue

NOTE_1: This integration means that native BearShares tokens will indeed be ‘minted’ if/when \$BSD holders choose to use the ‘buy-back’ feature within the BearShares contract. This is indeed by design and will be best accounted for in the mint/burn algorithm for generating revenue.

NOTE_2: After initial launch, there will be a grace period before the BearShares contract will offer \$BSD ‘buy-backs’. If holders choose to sell their \$BSD on the open market before this grace period ends, it will be at their own risk.

NOTE_3: BearShares will NOT be providing any liquidity for \$BSD on the open market. \$BSD holders will have to pursue their own OTC route of exchange in order to sell.

NOTE_4: \$BSD will only be minted and distributed to donors. The first distribution will be at BearShares launch, awarded to the initial donors participating in this current round. If we choose to pursue additional rounds of donations in the future, the following provisions will be supported via the BearShares smart contract source code (in order to account for dilution of BearShares revenue distribution; as more \$BSD would indeed be minted)

Provisions...

1) existing \$BSD holders will be offered priority opportunity

2) a vote will be required by some ratio of existing \$BSD holders

Who is our competition?

We don’t currently see direct competitors, but rather a ‘dormant market’ that industry leaders have overlooked. We view these ‘industry leaders’ as ‘late adopters’ of our smart contract, as well as potential exit strategies.

Example: opensea and other NFT market places

We don’t feel the need to take away their 20k txs per day. We just need to get those 20k txs to adopt the additional value that our smart contract offers. We see the adoption of BearShares as leading to more NFT txs within these existing market places, increasing their profit margins and quite possibly even leading to an acquisition of our venture

Example: debank

We don’t feel the need to launch a huge front-end that binds all activity on wallet addresses back to social media accounts. We just have to hyper focus on one niche demand, like claiming memes as NFTs, validating these claims, and allowing these claims to generate a

following. After we demonstrate this success model, we foresee debank directly integrating our contract into their front-end. This would be much easier, cheaper, and faster than building & executing their own competing solution from scratch.

Why ERC404?

We are utilizing ERC404 as a simple tool to simulate the structure of a company's valuation on the blockchain. With the release of ERC404, blockchain solutions now have the ability to sell a product or service, while releasing tradable tokens on the open market, under a single contract address.

This is analogous to a single company issuing shares to be traded, and having the value of those shares be a reflection of the success of the company.

With ERC404 we have the potential to release a smart contract that changes the meme industry, in addition to changing the NFT industry, while launching a tradable token that's value is NOT based on simple speculation. With ERC404, we have a chance to kill 3 birds with 1 stone.

Launch Schedule (why 3 months?)

- 1) We need to market and build a following. We don't have the benefits of a simple 'meme coin' launch with no utility. Our business model will NOT work in the sense of 'gathering a quick hype, throwing in some liquidity at launch, and selling a quick top'. Instead, we need to build a foundational backing of 'users waiting eagerly to start claiming' their images on the internet. This foundation will attract the opposing 'disputers' (our 2nd user type), which is a crucial part in the DAO validation aspect. This launch design will jump start the revenue retention cycle.. ie. 'claim -> dispute -> vote -> settle => claim -> dispute -> vote -> settle => etc.'
- 2) We should wait a little bit for ERC404 to iron out its bugs. The dev community is actively working on it, as current releases have already displayed known concerns. Additionally, exchanges and wallets have now begun software updates in order to fully support the protocol. Even though the core algorithmic aspect of our venture is not based around ERC404, it's best to tread cautiously around new technology.
- 3) The coding time is estimated to be around 1.5 months, but we need to allocate time for testing and bug fixes. With the extra 1.5 months, we can safely synchronize testing, marketing, and ERC404 advances.

What else can the tech. do?

By storing 'hashes', we can effectively validate the creators of anything posted on the internet. For example, we can validate audio & video files...

- this will allow people to claim & build followings around music or audio tracks
- this could perhaps offer adoption within the indy-film industry

By storing 'hashes', the contract can act as a digital 'safety deposit box', effectively locking any data within the contract itself...

- scenarios can be created where 'data' can only be accessed with a password or key.

 - This opens up a wide array of adoption to all kinds of security industries.

 - You could lock and send private keys to each other

 - You could sell source code or web links anonymously

 - You could timestamp and store legal documents, etc.

The notion of using 'hashes' can be applied to any kind of 'text' that you may want to hide out-in-the-open, assuring that it can never be lost.

These examples, among many others, can all be executed within the same smart contract without the need to launch a new project. These different execution strategies can be utilized as potential expansion opportunities or pivot points depending on market adoption.

Why PulseChain?

PulseChain is cheap, efficient and easy to onboard new blockchain users. The meme addicts and hobbyist that we are initially targeting, have a higher probability of jumping into PulseChain due to the lowered fees (as opposed to Ethereum).

Who is our core team?

House and Rabbit have been working together and have earned each other's trust over the past year. We came together during the PulsChain launch last year. We were one of the first to crack the minting puzzles that the Atropa devs had released to the community.

House is lead and maintains control of all final decisions in regards to financials as well as integration & execution. Rabbit acts as the operations officer and handles the day-to-day, organizational aspects, initial design proposals, initial research & proof of concept, task management and general management of active volunteers / current team.

Supporting metrics & research:

ref: <https://marketsplash.com/blockchain-statistics/>

ref: <https://contentdetector.ai/articles/meme-statistics>

ref: <https://contentdetector.ai/articles/wp-content/uploads/2023/11/Meme-Statistics-9.jpg>

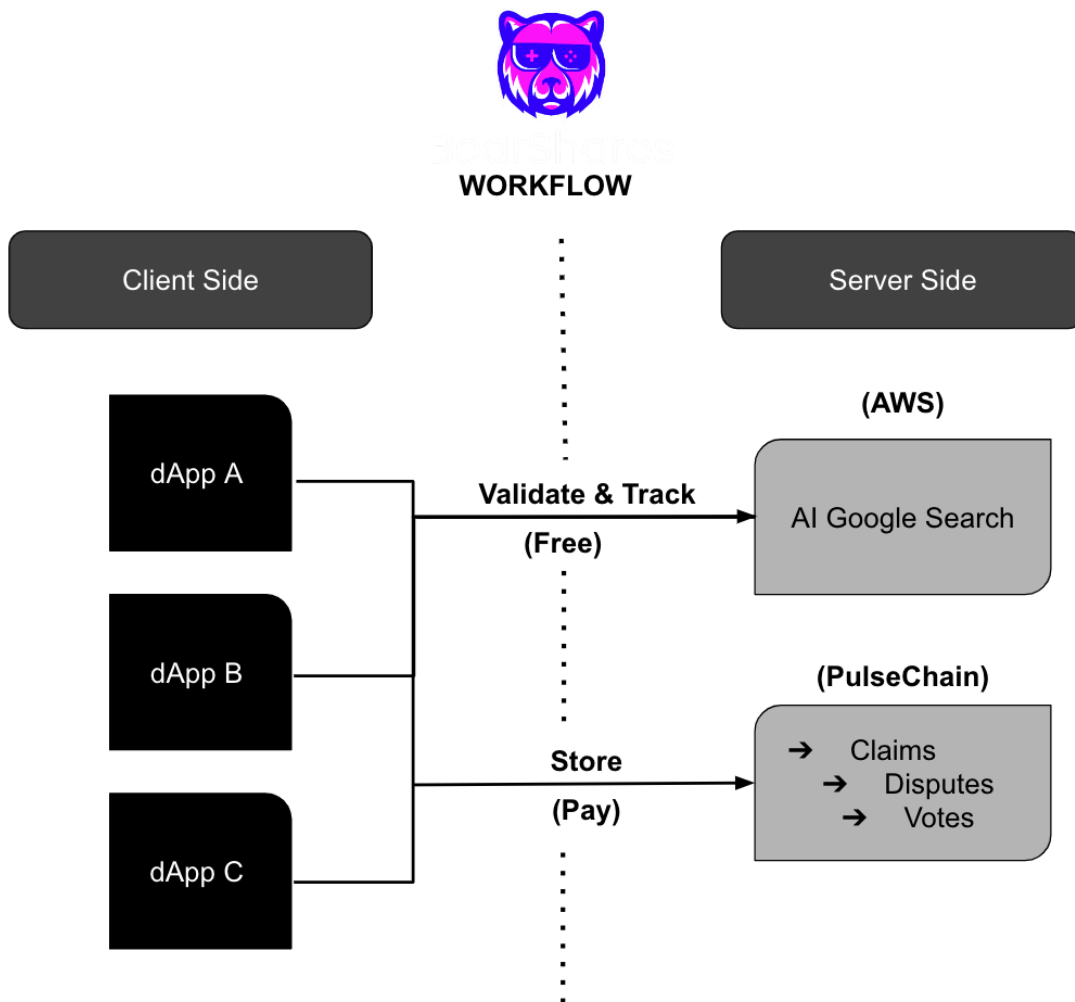
ref: <https://contentdetector.ai/articles/meme-statistics>

ref: <https://www.theblock.co/data/nft-non-fungible-tokens/marketplaces>

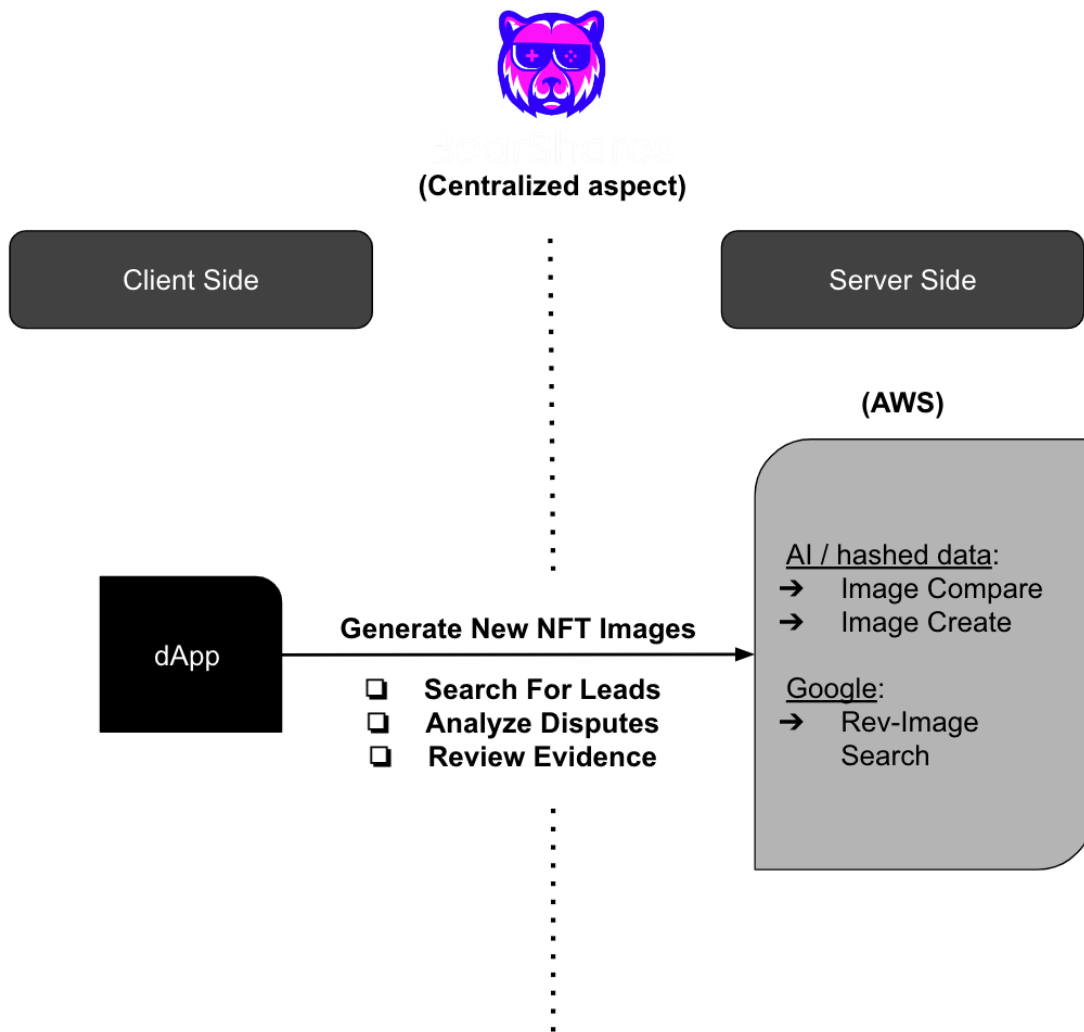
UML diagrams

Overhead workflow...

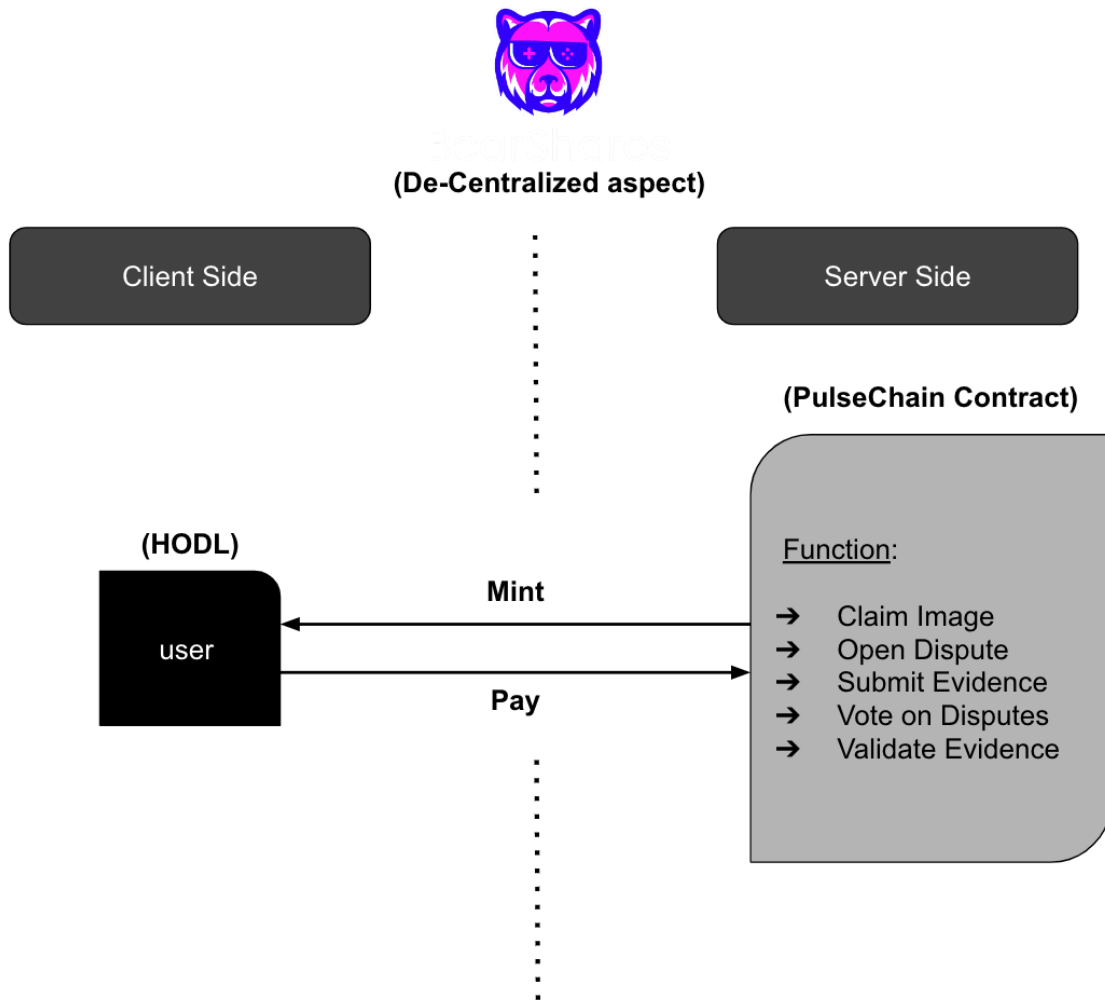
This diagram represents our expanding B2B model. At first, we will maintain the only dapp. However, anyone can freely build a dapp on top of our smart contract, while we simply collect the fees: ie. opensea, debank, or anyone that creates a faster way to search for images on the internet



Centralized dapp model that other businesses can freely expand with
(ie. build their own user base)



De-Centralized dependency model that all dapps & users will connect to
(ie. pay our BearShares contract as a service)



BearSharesDonor Token Distribution Model

