

# **APTOS Bearables Whitepaper**

## **Community is Strength**

It cannot be stressed enough the importance of community in any venture, the very nature of a DAO implies community strength and cohesion with a clear collective desire to succeed together.

It doesn't matter who you are, how much you have or where you are from; you're in the Bearables family now. We work together and succeed together guided by the wisdom of the most experienced among us. Speak to one another with respect, listen to one another's ideas and thoughts, and together we will rule the APTOS blockchain. Together we'll make life changing differences.



## **The Problem**

To bring true decentralisation to the people, Satoshi first introduced their white paper back in 2008, promising people nothing more than a decentralised trustless tool built with blockchain technology. Many believe it was as a response to the worldwide financial crisis being

experienced at the time. This has in the meantime blossomed into an enormous ecosystem with thousands of tokens available, each with very different and complex ecosystems and greatly varying organisational structure.

Since blockchains inception we have experienced many centralised aspects and entities come and go. We see again and again that these old centralised systems are bad for the cryptocurrency ecosystem as a whole, giving vast power and control to a small group of extremely wealthy individuals. This power time and time again gets abused, and used as cover for nefarious and questionable business practices, even when intentions are honourable, mistakes happen frequently, and this has a huge negative impact on the whole cryptocurrency market. Often and unfortunately it is the smaller retail investor that is hit hardest in these situations.

We have seen recently with entities such as FTX, Arrow Capital, Celsius, Voyager & many more centralised structures offering custodial solutions but eventually going bankrupt or simply stealing investors money in broad daylight, seemingly without fear of consequence. It is proven and a matter of record that we cannot trust individuals or small groups with power and control over billions of dollars.

## **A Bearable DeFi Solution**

The Bearables are here to make DeFi bearable again! Initially intended for the Solana blockchain, the commission situation there has necessitated the move to launching on APTOS. Plus we have the advantage of being early builders on a new layer 1 blockchain.

We will launch a new concept in the NFT space with a particular focus on entertainment and community combined with high end DeFi products. People need and want a high level of quality and finish with robust and useful functionality that you would expect from any professional organisation. We have assembled a team of experienced builders and developers in the fintech sector and a starting team of professional creators, enabling us to present high end products for our users and community.

Non custodial DeFi is and always will be the safe solution. Trust Wallet, Metamask, Compound, Curve, Maker & many more are all DeFi solutions that function entirely using trustless smart contracts and no human interaction is needed in executing instances for these products.

As DEFI evolves and these centralised entities set the foundation for us to make progress from the existing centralised financial model, that seems to reward greed and failure above all else (a trend started in 2008 with huge government bailouts of failed financial institutions). It's time to put power in the hands of investors again.

Now we are seeing a robust attempt to push the cryptocurrency community towards accepting that we need regulations governing centralised parties to spend our tokens and centralised laws restricting the scope of DeFi. We agree that large centralised entities need

to be regulated to protect consumers from ill intentioned individuals, we absolutely disagree with this proposition of the future for DeFi. Often DeFi is presented as the high risk problem in cryptocurrency, referred to commonly as the “Wild West” of finance. This couldn’t be further from the truth. A well coded and robustly audited DeFi smart contract is trustless and completely independent from human fallibility, yet it is here the regulators look to assign blame in most cases rather than heavily regulate the centralised exchanges. There is surely something wrong with a system that fails to protect \$40 billion in consumer and investor funds then attempts to regulate the very new system designed to need no regulations.

It’s not about protecting the people from losing money through regulation, it never has been. The great fear felt by governments is loss of power and stability that the federal reserve has enjoyed till now. We say no more; and are going to roll back to the core principles of DeFi and we will make this truly work out for all of us.

We understand that the blockchain has been lacking in fun in recent times, so the team is committed to bringing the community quality entertainment and content, starting with a new animated series called “The Bearables” with 10 episodes in the first season. Every episode we will partner with a new WEB3/NFT project, featuring them in the episode. The series aims to engage with and appeal to everyone in the space, and who doesn’t love their favourite NFT project being featured in an animated series! This will be just the first step in launching a built for web3 video on demand streaming service.

An NFT collection of 4000 bearable PFP characters will be created to represent this whole venture, and the NFTs will give you governance power over the production of the animated series initially. There is a core idea and concept, but the community will have a strong influence over direction and will be able to fully engage creatively with the project. NFT holders will also have voting rights of various other aspects of the business as they become available. Holders of the NFTs will also have exclusive staking rights to earn our important ecosystem token (read on for more)!

## **Decentralised Payment System**

The largest issue consumers experience currently when dealing with cryptocurrency, is not being able to easily spend them without using a centralised entity. We can use exchanges such as Binance or crypto.com, but these are not ideal! Users are required to fully KYC in order to interact with fiat currencies and also face many other restrictions without verifying their identity. To spend your tokens you need to sell them to fiat, incurring large fees as a \$20 value in crypto leaves you often only with \$14 in fiat money; this very much represents the classical financial system, slowly transferring wealth from the many to the few.

Some larger exchanges offer Visa payment cards linked to your exchange account as a way to spend your tokens, but this is no real solution as a centralised system is required for it to function and the payment recipient is still receiving fiat currency at the point of sale.

Our goal is to build a seamless decentralised consumer to retailer and peer to peer cryptocurrency payments system. Understanding that 99% of businesses value stability, this

system will be designed to function primarily with stablecoin tokens while allowing the retailer the option to accept more volatile assets should they choose to for some transactions. In reality no business will want to take a payment in the morning for \$20k and find it's worth \$15k by the end of the day due to market conditions, so stablecoin tokens are essential to the viability of this approach while eliminating the need to interact with fiat at the point of sale.

For a business, having stablecoin backed by fiat currency is more than enough security. So in the event of a bank run on centralised exchanges, there will never be an issue swapping robust stablecoin protocols back to the underlying currency backing them. The real value in this proposition lies in being able to directly use stablecoin anywhere you go worldwide with zero interaction with centralised financial systems.

Using trusted stablecoin as BUSD, USDC & DAI to name a few, there are enough options that can be used in a non custodial way to fully operate in a fully decentralised manner. We will create a digital alternative to cash, offering the convenience of digital payments while maintaining the privacy of using cash that people have enjoyed for millennia.

Building a true decentralised banking system and world economy as satoshi envisioned is now within our ability to create, so we introduce to you Digital Cash (DigiCASH). A simple card with NFC technology that can register data just like any other bank card does currently, just connect your DeFi wallet to the card and start spending your stablecoin in real life immediately! No fiat, no banks, just you, your wallet and card! Does this sound too good to be true? We have in fact found the solution to make this a reality now, by creating a simple DeFi hub where people can connect their spending wallet with the DeFi CARD and pay with it at connected merchants around the world.

We will first launch this payments system in the city Lisbon as it's the crypto/blockchain hotspot of Europe and many business owners are more open to the idea of accepting cryptocurrency than any other city in Europe.

We have no illusions, the process won't be easy at first and it will take the onboarding of many people and retailers to make this system a recognised success. Lisbon will be our proving ground and we will succeed taking it one methodical step at the time. First we need to create the web3 application with full mobile functionality, where people can connect their non custodial wallet or create a wallet inside the application. Not your keys, not your coins as they say! We believe fully in this product and will strive for its success and adoption. We won't rest until everyone is their own bank!

Obviously with having your wallet connected we'd advise creating a unique wallet for use with the payment system, much like you have a savings account and a payments account with your current bank. In this instance the wallet used for the payments system is the payments account, it's good practice to use multiple wallets for different uses and tightens up your security overall.

With just one click you'll be able to order one of our preinstalled cards, with different subscription options that will allow you to get the card for free or pay a small fee to get it shipped to your current location. As said, we will start very locally in Lisbon, this will allow us

to maximise our marketing reach and effectiveness. Also operating in a geographically confined area, the logistics will be a smaller and more cost effective operation for a startup. Once the first retailers are set up and in place, we can start testing the system vigorously on an increasing scale as more retailers make use of the system and the number of consumer users in Lisbon will grow.

We think that as the system grows and gains more users, the utility of the concept will become blindingly apparent as retailers and users who accept stablecoin can then spend their stablecoin with another individual or business, completely eliminating the need to use fiat currency in the transaction. Incidentally this avoids the excessive fees charged to businesses for accepting Visa/Mastercard payments, a significant and unnecessary expense that is nothing more than a corporate middleman tax.

So why do people need fiat anyway then? Well fiat currency for a start is essential for stablecoin to exist and will always be used in retail and commerce, with this in mind it is always possible to easily transfer the stablecoin tokens to a third party who'll exchange them for fiat. Understanding that we have a burden of responsibility to assist and educate both retailers and users, we will provide excellent training resources during the onboarding process and one to one individual support where needed. We want to make it as easy and stress free as possible for users and retailers joining the payments system. By providing quality training and support we hope to make losses from human error an extreme rarity. With an educated foundation user base we can expand and use existing user data and testimony to become a true international borderless DeFi payment system.

## ***Taxation?***

Now you ask "Don't I need to pay tax?"

Simply put, under current regulations unless your government tax office accepts stablecoin as payments you won't need to pay tax over these transactions. Of course when you convert your tokens to fiat you will have to pay the tax due in accordance with local laws, but the beautiful thing is that Portugal charges no VAT (value added tax, sales tax) on purchases made with cryptocurrency. So there is a huge completely legal incentive for users and retailers to make use of this system when we launch it in Lisbon and avoid the 23% VAT usually due when transacting in fiat currency backed by the government. Ultimately this 23% tax saving is passed on to the consumer, which is awesome.

We of course don't want people getting any tax/legal problems, so we will provide an optional taxation form, but for this to work the tax office needs to accept stablecoin as payments. As the law stands in most countries but specifically Portugal, you can accept Dogecoin as payment if you are intellectually challenged and think meme coins are the future. You will not need to pay tax on this transaction as it's a utility token with volatile swings in price and is just not recognised as a currency anywhere as are most cryptocurrencies. Stablecoin is a unique asset class that while not being recognised as a currency it has the hallmark stability of one, presenting this window of opportunity to create this new payments system.

We will make sure all functions are in place to make DigiCASH a one stop shop for anyone to have full power over their own finances, so there will be an easy to use swap system where you can buy and sell your cryptocurrencies with a few of the most famous DEX fully integrated into our application.

## **Borrowing and Lending Market**

We will be offering our own decentralised and trustless lending and borrowing platform, where people can easily borrow money choosing from the available interest rates offered by lenders. Users will be able to borrow against 90% of the collateral they deposit. This will be a fully decentralised, trustless and safe lending system for everyone to use. Operated entirely on smart contracts zero human decision making is required, just site and operational maintenance.

To explain decentralised lending a bit more, let's use an example to visualise the use case of being a lender.

For example; you have \$50k and want to earn some passive income from it, you see that the current rate paid is 4% but you would be happy lending it for 3.5% interest, you can deposit the funds with an offer of lending it at 3.5%. Setting the interest rate you'll accept on an individual basis creates a highly competitive environment ensuring that those borrowing get the best rate available and far lower than borrowing from a centralised institution. In this scenario you will earn 3.5% per year on your loaned funds, the person borrowing this money from you needs to deposit collateral in case they fail to pay back the loan. In this instance you will then be able to claim this collateral if payment is not received on time. When the collateral is a volatile asset such as Bitcoin or Ethereum and the price of that asset falls, the person has a fixed amount of time to deposit extra collateral to cover the value of their loan. In the reverse instance, if the value of your deposited collateral increases significantly you will be able to withdraw a portion of it leaving enough to cover the value of your loans still.

Why would I borrow money if I need to deposit collateral to do so?

Let's use another example; you own 10 bitcoins and currently the value of BTC is at a low, you believe that in the coming months/years BTC is going to increase in value so you don't want to sell your BTC holdings but you need money to live on and pay bills now.

With decentralised lending and borrowing you have the option to borrow money by depositing your bitcoin as collateral. If as expected your bitcoin grows in value you'll be able to claim some of it back or borrow further against it. Pay back the stablecoin you have borrowed gradually to reclaim your entire collateral. If the value of your collateral increases significantly, you retain your capital and essentially get a free or extremely inexpensive loan.

Obviously if the value of your deposited collateral decreases significantly then you will need to deposit further funds to maintain your loan, failure to do so will result in loss of capital to your lender.

## About our Branding

The brand is key to our long term success and will in fact determine if we are successful or not. So to introduce the brand, merchandise will be launched and made available after mint. Not the standard T-Shirts you see everywhere, but original merchandise in keeping with the animated series concept.

The Bearables will release our own branded Whiskey, yes soon you will be able to drink your own bearable Whisky and believe me not many whiskey's are bearable!

One of a kind collectibles will be released similar to POP collectibles but slightly different, more bearable. We will also release a limited edition clothing range over a number of weeks keeping its demand high and exclusive.

A strong brand presence in the marketplace is always going to be a priority, and is an area of business that will need to regularly evolve alongside the evolution of web3.

## NFT Royalties

The royalties paid on Bearables NFTs will reduce at the proposed level of trade volume (in APTOS) as detailed:

0-20k	volume = 7%
20-30k	volume = 6%
30-45k	volume = 5%
45-65k	volume = 4%
65-100k	volume = 3%

At 100k volume we'll instigate a DAO discussion on the commission necessary to achieve the long term goals and keep the DAO financially viable for developments.

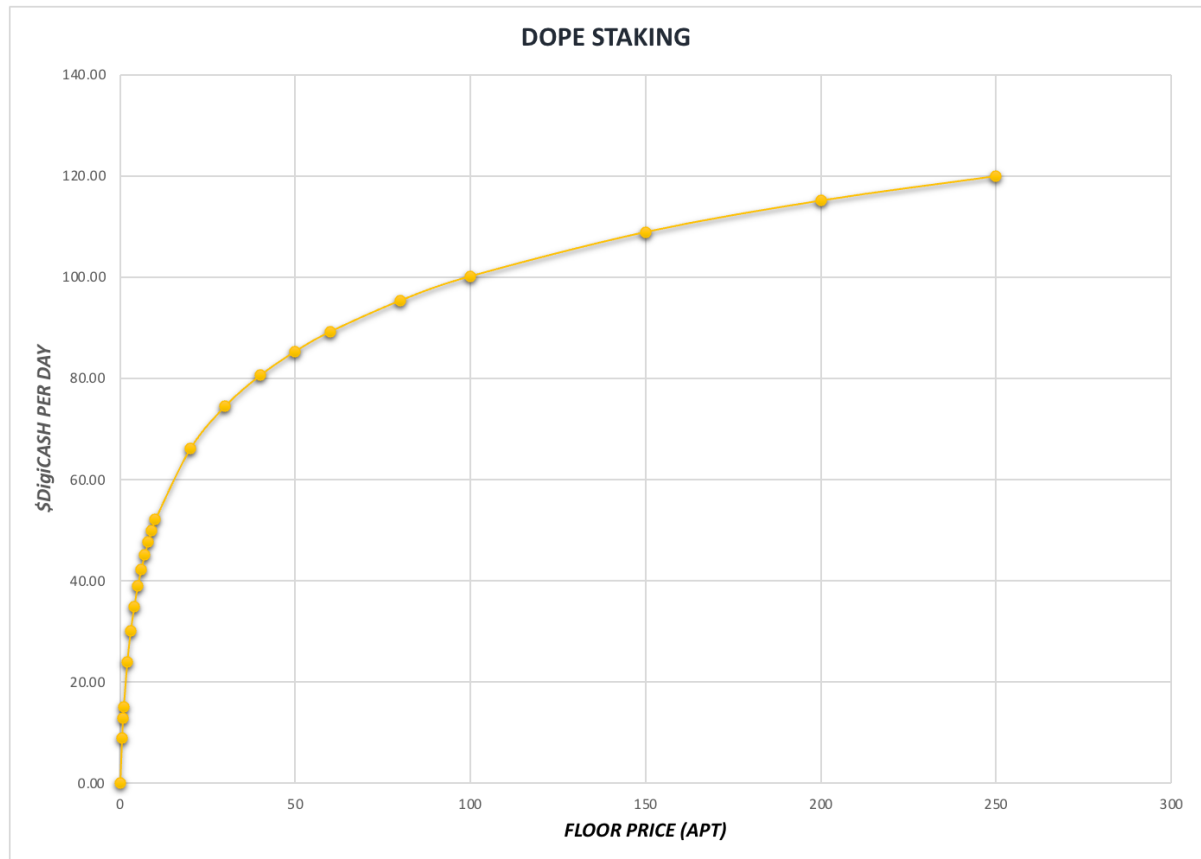
## \$DigiCASH Token

Yes that's right, \$DigiCASH is the native token of the Bearables DAO, it will have many future uses within the DAO ecosystem as it grows, including the purchase of merchandise, liquidity staking and a place in the DeFi products we develop.

So you're probably wondering at this point how much \$DigiCASH you'll get per NFT when staking them? Well sit down first then read the next paragraph.

We would like to introduce to you DOPE staking (Dynamic Oracle Payout Equity)

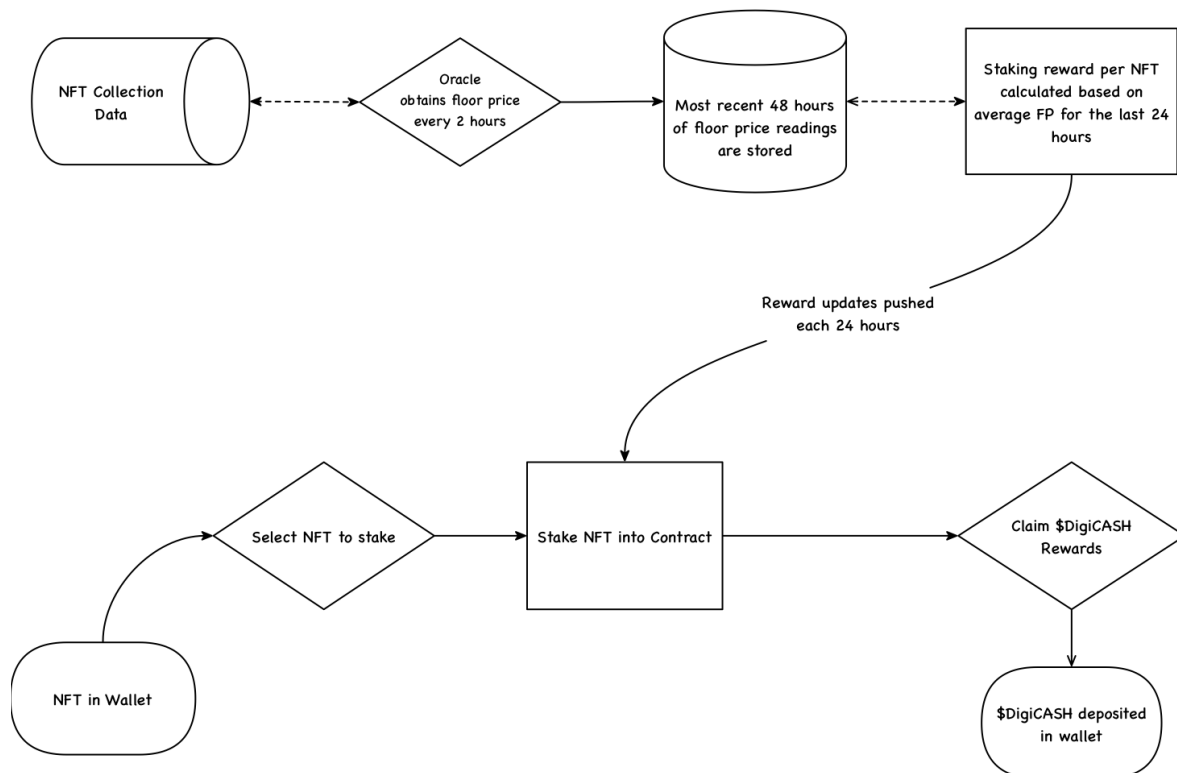
The amount of \$DigiCASH you receive per NFT stake is variable and dependent on the NFT collections floor price. Using a logarithmic growth equation (exact formula is proprietary) as the floor price rises so will your daily \$DigiCASH earnings, the higher the floor price gets the increases in daily \$DigiCASH will reduce. Please see the following chart that represents the curve that will be used to calculate the daily payout.



To start, the payout rate will be adjusted manually until we have accumulated floor price data on the blockchain. Once data has accumulated we will implement an Oracle that collects floor price every 48 hours and stores it, then adjusting the payout automatically everyday based on the average floor price of the last 24 hours.

*Flow Chart illustrating this system*



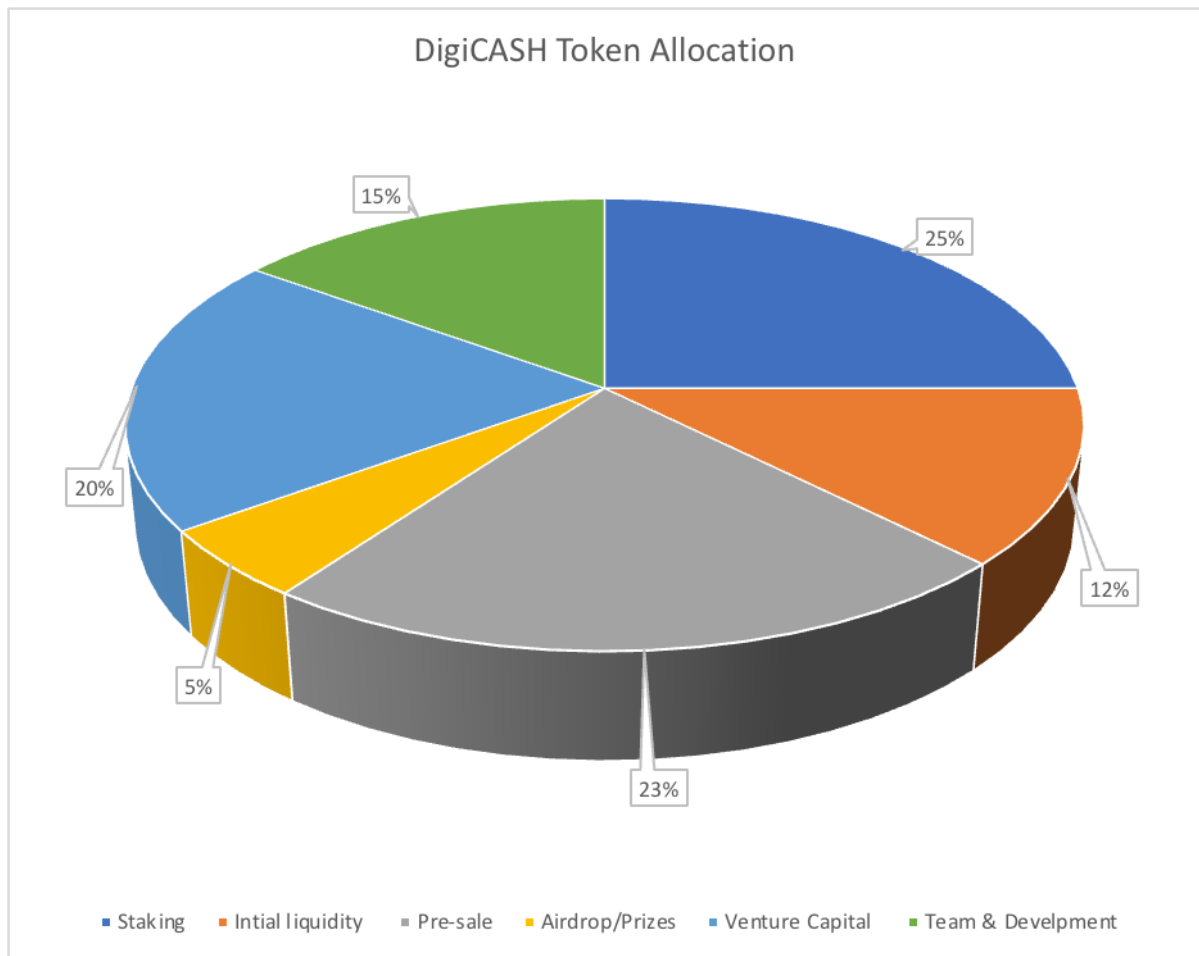


This method will incentivise NFT holders to raise the floor price to earn more \$DigiCASH while preventing the reward supply from becoming unsustainable. To further increase the sustainability of the staking reward pool long term, when 20% of the reward pool has been distributed, the reward output potential will be halved. This halving event will occur at every subsequent 10% of the reward pool released into circulation.

How to give \$DigiCASH tangible real world value? While liquidity is not essential to create utility for \$DigiCASH, the team has decided to give the community the opportunity to create value and retain full ownership over that value. A proportion of the \$DigiCASH supply has been reserved to reward liquidity token staking. Once you have earned \$DigiCASH through staking, you can choose to pair it with APT or stablecoin to provide liquidity, then stake the liquidity tokens to earn more \$DigiCASH. The same halving of reward output will also apply to the liquidity staking reward pool.

### ***DigiCASH Supply Allocation***

The pie chart below shows the proposed allocation of the DigiCASH supply. Please note that the Venture Capital and Team & Development allocations will be vested long term and released gradually at predetermined intervals.



## Staking as a Service (SaaS)

Following the successful deployment of DOPE staking and \$DigiCASH, we will launch SaaS.

SaaS will be an “off the shelf” staking solution for projects to purchase from Bearables DAO, modelled on our own DOPE staking while offering customisable aspects to make it unique.

SaaS will be a full solution including staking management and maintenance. Our in house experts will make sure everything is maintained as required as part of an ongoing service agreement.

SaaS is a practical and profitable income source for Bearables DAO, that fulfils a need in the NFT market.

## Statement from “The Bearables”

*“Okay citizens; we’ve moved into APTOS town and we’re running the show now okay?  
Papa Bear is the head of the family and he has headquartered us at the old movie studios  
where “the family” can conduct business grrrrrr.....Welcome to the new DeFi Hollywood”*