RYU Ecosystem White Pages

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RYU is an expansive ecosystem built on top of the Avalanche blockchain. This document will outline our plan for the RYU ecosystem: which is a collection of economically incentivized products that consists of the $RYU token, derivative token(s), and NFT collections. It will also go into detail how RYU will boost the surrounding Avalanche blockchain.

Genesis NFTs

RYU aims to provide utility to our collections of NFTs. When RYU Dragon NFTs are purchased in even numbers, the dragons can be used to be breed. When two dragons breed, the offspring is a newly minted generation two (Gen2) RYU Dragon NFT (see below for more information on **Gen2** dragons). The Gen2 dragon is a mix of traits from the parent Gen1 dragons. See the **Breeding Dragons** section for information on how breeding occurs. These RYU NFTs come in two classes: Base and Legendary. There are only 99 legendary dragons and 3234 base dragons that exist for a maximum supply of 3333 Gen1 RYU NFTs.
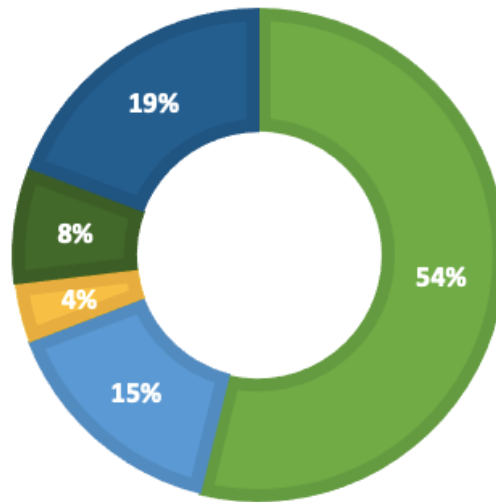
$RYU

The main financial motor of the RYU ecosystem is the AVAX native token $RYU. $RYU is a standard ERC-20 token with a 130 million maximum supply, a 45 million circulating supply at launch, and an average of 127,853 $RYU per day emitted. The tokenomics of RYU are set to pay inflation to the staking class. This inflation occurs at a rate of 36 RYU per day for base NFTs staked. This rate occurs at 96 RYU per day for Legendary stakers. Additionally, a second De-Fi vault of 40 million $RYU will be utilized for an upcoming part of the project. Both vaults will be under contract locking De-Fi Vaults and making them be non-custodial, and De-Fi Vault 2 will be used for a different rewards program to be announced soon. This means the vaults do not fall under the circulating supply, as they are locked in a smart contract to be deployed strictly to users via inflationary channels. The $RYU token is hard-capped, deflationary tokenomics at its finest. No $RYU token exists now. Any on markets now is a scam, unofficial, and HIGHLY RISKY. Official Token address for $RYU will be posted in the official Discord, on the official Twitter, and on the website. If you do not receive the address from one of these three spots, it is not the official $RYU token.

Team tokens are a delicate piece of blockchain culture to balance. Our team token percentage is 4% of total supply, 2% is put into the treasury to be added to POL. Remaining 2% is distributed to the team at 20% for the remaining 5 months. First Distribution will occur with the community airdrop and follow on the same day of the month moving forward.

$RYU TOKENOMICS

Legend: NFT Staking Rewards ■ DeFi Vault 1 ■ Team Tokens ■ Airdrop ■ Initial Liquidity Reserves

- 54% — NFT Staking Rewards
- 19% — Initial Liquidity Reserves
- 15% — DeFi Vault 1
- 8% — Airdrop
- 4% — Team Tokens

Treasury:

The treasury is defined the RYU team multi-sig wallet, not the De-Fi vaults under contract. In the Treasury, we have a few main categories: Protocol Owned Liquidity (POL), Liquid Funds, and Hedged assets. We plan to hold a majority of POL in the RYU/AVAX LP and a minority of liquidity in RYU/*stable coin* on whichever DEX we launch with. As markets pump and cool, the treasury team reserves the right to flex the POL percentages between the AVAX and stable coin pairing. Shifting POL from AVAX to stables could reduce price changes due to market instability. The Treasury will plan on purchasing NFTs off market to stake in the pool. Staking in the pool but deferring rewards to other stakers, increases APY for all stakers. Additionally, the Treasury plans to invest in other projects. Yield-bearing assets like xJOE, xORCA, and staked YY all are examples of ways our treasury can diversify and support the ecosystem while hedging the treasury funds.

Gen2 Dragons

Gen2 dragons can only be created by holders owning two or more RYU NFTs in the same wallet address or purchased on secondary markets. Gen2 dragons have a reward pool for staking. They will receive a currently unnamed and undefined token. There will be more details about this second token, reward pools, and associated airdrop as it gets closer to the launch date. You cannot acquire Gen2 dragons without having two Gen1s. This allows for controlled NFT inflation at the hands of the Gen1 holders. Gen1 holders are incentivized to maintain staking their Gen1 for more RYU after breeding to afford potions (see **Potions** section for more information). Potions are tradable NFTs that shorten the incubation time in half for your Gen2 egg. Potions shorten the incubation time in half regardless of when it is used.

Breeding Dragons

Breeding works on a points system. Base dragons get 20 points of breeding stamina, legendary dragons get 30 points. Breeding with a legendary burns 20 points, breeding with a base burns 10 points. Once a dragon reaches 0 points, the dragon is done breeding. There is an incubation period for the Gen2 dragons. 33 days is a normal incubation period, on the 33rd day the Gen2 NFT is revealed with its traits and rarity. Eggs will be tradable before the incubation period is reached. This incubation period can be sped up by using potions. More on how traits will be passed down to Gen2 during breeding as launch of breeding season approaches.

All Possible Breeding Routes:
A Legendary (30P) can breed 1x with another Legendary (-20P) AND 1x with a Base (-10P) = 0P
A Legendary (30P) can breed 3x with a Base (-30P) = 0 P
A Base (20P) can breed 1x with a Legendary (-20P) = 0 P
A Base (20P) can breed 2x with another Base (-20P) = 0 P

Traits

Rarity, by trait.

Backgrounds	Mustard	Bubble Gum	Solid Green	Ballet Pink	Time	Space	Pink Lake	Jungle	Hell Fire	Website Bg	Neo Tokyo	Digiscape	Total
Percent Occurance	416	416	416	416	235	234	234	234	166	166	166	234	3333
Eyes	RedScreen	Red	Tech	Beach	Party	Vintage	LaserBeam	Futuristic	Amber	Monocal	TechnoShad	No Traits	Total
Percent Occurance	350	350	276	275	250	233	233	233	100	100	100	833	3333
Hats	Top Hat	Birthday	MaddCyborg	Hatched Egg	Crown	Knight	Gold Squid	Electric Spike	Diamond Horns	No Trait			Total
Percent Occurance	300	300	300	200	250	500	250	100	100	1033			3333
Mouth	Toothbrush	GemstoneMining	Antique	ColorDrip	Piercings	Cigars	Gasmask	Rose	Wiring	Christmas	No Trait		Total
Percent Occurance	333	333	333	333	200	200	200	200	100	100	1001		3333
Body	Crimson	Burnt	Emerald	Tumeric	Stone	Ice	Zombie	Cyborg	Magma	Golden	Intergalactic		Total
Percent Occurance	500	500	500	500	309	309	308	308	33	33	33		3333
Neck	Robe	Scaley	NinjaSamuri	Spacesuit	Gemstones	Tu-Tu	No Trait						Total
Percent Occurance	500	400	333	300	200	200	1400						3333

Potions

Potions will have a set mint date and will be tradable on secondary marketplaces. A potion can be used 2x only, then it is automatically burned. Different potions may have different effects on breeding, aside from speeding up the incubation period. More to come here.

gRYU and RyuDAO

gRYU is a governance token that doubles as a reward token for single-sided RYU token stakers. This token is created with a 1:10 ratio with the RYU token for Max Supply. Airdrop in a 1:20 ratio for all RYU accumulated by Gen1 NFT stakers. DAO Token gRYU allows for voting on proposals and metrics (think Uniswap + Orca DAO). gRYU is paid to RYU stakers in the single-sided staking pool. When RYU is entered into the pool, it is locked and untradable. This gRYU is paid as inflation from the contract to RYU stakers in the pool.

gRYU Inflation

The gRYU token contract is perpetual and self-replenishing, without the need for uncapped tokenomics. This comes down to the mechanism for distribution within the

contract, rewards only shrink over time, but can never reach 0. The rate of rewards shrinking happens over several decades of steady inflation. Do not worry about the gRYU inflation yet as that is decades in advance, and before deflationary measures are enacted. gRYU contract distributed 49.99% of inflation to stakers, it redeposited 50.01% into the contract for inflation. This allows for a continued cycle that slowly decreases instead of running dry or ponzinomc.

Stakes

Stakes are a commitment. If you break this commitment, you are penalized. If you end a stake more than 50% of the way through completion, you lose all staked RYU. After 50% of the stake is served, the principal investment is safe from loss. Only earned inflation can be lost if the stake is ended early after 50% completion.
Launch with a launchpad.

Beta Staking

Beta staking will occur between launch of $gRYU and Breeding. To ensure no one is staked for the launch of breeding (which costs $RYU), we will only allow maximum of 2-week stakes during beta. Beta staking just reduces the chances a user over-stakes into gRYU and doesn't then have RYU to pay for breeding. After beta staking ends, stakes will increase in duration to 2-year maximums. More information on beta staking extra rewards and launch soon.

	$gRYU	935,621,005
Day	Total	625,206.15
Day	Timelocks	500,164.92
Day	Flexible	125,041.23
Wk	Total	4,376,443.06
Wk	Timelocks	3,501,154.44
Wk	Flexible	875,288.61
Mo	Total	18,756,184.52
Mo	Timelocks	15,004,947.62
Mo	Flexible	3,751,236.90
Yr	Total	228,200,245.02
Yr	Timelocks	182,560,196.01
Yr	Flexible	45,640,049.00

Above is a breakdown of daily inflation from the contract between timelocked stakers and non-timelocked. Timelocked received majority allocation of inflation. Non-timelocked stakers receive less for assuming less inherent risk.

RyuDAO

RyuDAO is a collective of ideas, led by the community. RyuDAO is powered by gRYU. The RyuDAO controls fees that are associated with various parts of the Ryu

ecosystem. They also control voting rights on partnerships for marketing and advertising campaigns. RyuDAO will be introduced with the $gRYU token. This token will be the only way you can participate in the governance system of RyuDAO.

$gRYU	1,300,000,000.00	
Airdrop	35,799,086.76	
Team Tokens	3,579,908.68	
LP Incentive Fund	325,000,000.00	
Inflation Contract	935,621,004.57	
Daily payout	625,206.15	

		14 days of fees before launch	1,789,954.34
$gRYU	1,300,000,000.00		
Airdrop	35,799,086.76	1:20 ratio of fees	
Team Tokens	3,579,908.68	10% of airdrop	
LP Incentive Fund	325,000,000.00		
Inflation Contract	935,621,004.57	Used to pay inflation to stakers	
Daily payout	625,206.15		

Note: These airdrop and team tokens are based on accrued RYU for Gen1 holders being 1,789,954.34 RYU over 14 days between launch of NFT staking and snapshot for gRYU. These numbers will be adjusted and published once the total RYU earned by Gen1 stakers is at the time of the snapshot. The snapshot will add up the total number of RYU each staker has earned since launch. The snapshot bot will then prep distribution of gRYU in a 1:20 ratio. gRYU airdrop will be announced ahead of distribution. Team tokens above are set to 10% of the airdrop supply. We will publish the official amount long before distribution. The vesting Period for team tokens will be announced long before distribution too.

This whitepaper outlines through Wave 2 of our roadmap. Wave 3 details will be provided later in Q1 as a part of RYU white papers part two. This will outline our continued thesis of expanding RYU further into unchartered waters of De-Fi on Avalanche. Some of our unique product offerings will truly be a refreshing surprise for tired De-Fi users