Zed Run Horses

- While there are many forms of non fungible tokens, one of the most interesting use cases for this technology is in the realm of digital horse racing.
- Zed Run is a digital horse racing platform where races take place 24 hours a day, 7 days a week.

How does it work?

- The "horses" on the Zed Run platform exist as NFTs where they function solely as digital assets.
- Created by the Australian based Virtually Human Studio, these NFT horses exist as ERC-721 tokens on the Ethereum blockchain.
- What makes digital horses different from many other kinds of NFTs is that each horse is considered a unique "breathing NFT".
    - Each horse can breed with other horses to make new horses, and has their own bloodline that can be traced on the blockchain.
    - Every horse can race (their race history can be viewed in the blockchain) and has attributes that it can pass on to its offspring.

Popularity of digital horses

- More than 11,000 horses have been sold on the Zed Run platform.
- While there is a range of prices that the horses can be bought and sold for, some of the more rarer horses have sold for large sums of money. One particular horse sold for $125,000. Another owner sold a stable full of digital horses for over $250,000.
- https://knowyourhorses.com/ is a great resource for tracking:
  - Horse listings
  - Class/traits
  - Prices
  - Race history

Sales

Name	Class	# of Races	1st / 2nd / 3rd	Win %	Price	
BAYC BAYC Z14 Legendary Buterin 🔵 Celestial Blue	V (19)	4	0 / 1 / 0	0.0 %	0.043 ETH	View on OpenSea
TayTay Seabiscuit Z18 Legendary Buterin 🟠 Coral Wave	V (19)	6	0 / 0 / 0	0.0 %	0.06 ETH	View on OpenSea
Unnamed Foal Z17 Legendary Buterin ⚫ Slate Gray	G (17)	0	Unraced	Unraced	0.11 ETH	View on OpenSea
And Hear Comes The Music Z10 Genesis Buterin 🟣 Eminence	IV (22)	126	3 / 9 / 12	2.38 %	0.16 ETH	View on OpenSea
Unnamed Foal Z20 Legendary Buterin 🟡 Flex	G (17)	0	Unraced	Unraced	0.1 ETH	View on OpenSea
Essence of Abundance Z15 Exclusive Buterin 🩷 China Pink	IV (21)	2	1 / 0 / 0	100.0 %	0.3 ETH	View on OpenSea
Randall Cunningham Z19 Legendary Buterin 🟢 Caribbean Green	V (16)	3	0 / 0 / 0	0.0 %	0.06 ETH	View on OpenSea
Randall Cunningham Z19 Legendary Buterin 🟢 Caribbean Green	V (16)	3	0 / 0 / 0	0.0 %	0.06 ETH	View on OpenSea
Venti Z14 Legendary Buterin 🔵 Celestial Blue	G (17)	1	/ /	0.0 %	0.079 ETH	View on OpenSea

Horse

One More Tisha

Z1 Genesis Nakamoto I (212)
Stallion owned by �👤 Sunny Days 🌞
🔵 Cerulean Frost
Available for breeding: August 28, 2021 3:53pm
Find on ZED

On OpenSea for 100.0 ETH

Ancestry 🔗

Race Breakdown

# of races	Win %	Place %	Show %
167	20.96% (35)	35.33% (59)	46.11% (77)
Last ran 18 minutes ago	1st	1st or 2nd	1st, 2nd, or 3rd

Financials

Entry Fees	Winnings	Profit	ROI
0.6997 ETH	0.9098 ETH	0.2101 ETH	30.03 %

Profit / Race	Average Odds
0.0013 ETH	7.83

STALLION		STABLE	TIME LEFT	STUD FEE
180 No Comply Z4 · Exclusive · Nakamoto		EJ's Place	23h 53m	$330.51 USD
The Perfect Cross Z34 · Cross · Buterin		Black Beard Hybrids	23h 53m	$55.08 USD
Kirsh Royal Z20 · Exclusive · Finney		Gran Amuleto	6d 23h 51m	$110.17 USD
Ridge Lane Z10 · Genesis · Buterin		Gran Amuleto	6d 23h 50m	$94.43 USD
Donkey Farm Stallion IV Z32 · Cross · Buterin		DONKEY FARMS	6d 23h 48m	$55.08 USD
Luckystrike Z19 · Legendary · Buterin		Foals R Us 🐎	6d 23h 45m	$82.63 USD
Dry Ol Party Z8 · Genesis · Buterin		Dingleberries 🏔️	6d 23h 45m	$94.43 USD
Big Harry Mac Z19 · Legendary · Buterin		Fertile Grounds	6d 23h 42m	$91.81 USD
Flop Shot Z25 · Elite · Buterin		FORE HORSEMEN - Breeding	6d 23h 42m	$59.02 USD

Racing

- Owners can race their digital horses on the Zed Run platform by paying a small race entry fee.
  - Fees can vary from race to race, where races with higher entry fees have larger prize pools.
- Every race is limited to a maximum of 12 horses.
- Horses enter races based on their genetic traits and their past performances.
  - This prevents extremely fast/gifted digital horses from constantly racing and beating lesser horses.
- The outcome of a race is generated using algorithms that simulates thousands of random outcomes and picks one.
- Races can be watched at all hours of the day and night on the official Zed Run twitch livestream https://www.twitch.tv/zed_run/

All | Griffin | Class V | Class IV | Class III | Class II | Class I

EVENT	LOCATION	EVENT TYPE ⓘ	DISTANCE	ENTRY FEE	PRIZE POOL ⓘ	REGISTERED
Mariupol Grand Prix	UA · Mariupol	CLASS IV	2000m	$2.49 USD	$26.84 USD	0/12
Fray Bentos 2400 Chase	UY · Fray Bentos	CLASS II	2400m	$2.49 USD	$26.84 USD	0/12
The Russian Enduro 2600	RU · Moscow	CLASS V	2600m	$2.49 USD	$26.84 USD	2/12
Japanese Winter Grand Prix	JP · Yokohama	CLASS V	1000m	$2.49 USD	$26.84 USD	7/12
The Japan Derby Challenge	JP · Edogawa	CLASS IV	1200m	$2.49 USD	$26.84 USD	9/12
Atari Masters	FR · Paris	CLASS V	1200m	$2.49 USD	$26.84 USD	12/12
Blue Grass Stakes	US · Phoenix	CLASS III	2400m	$2.49 USD	$26.84 USD	3/12
Dukes Cup of Mauitius	MU · Quatre Bornes	CLASS IV	2400m	$2.49 USD	$26.84 USD	12/12

Atari Masters	FR · Paris	CLASS I	1400m	$14.91 USD	$161.04 USD	12/12
Port Elizabeth Metropolitan Stakes	ZA · Port Elizabeth	CLASS III	2200m	$48.96 USD	$528.74 USD	3/12
Alibaba World Cup	CN · Hangzhou	CLASS I	1800m	$99.16 USD	$1,070.90 USD	3/12
Autobanh Dash	DE · Munich	CLASS II	1600m	$49.95 USD	$539.47 USD	2/12
Atari Masters	FR · Paris	CLASS II	2200m	$49.95 USD	$539.47 USD	2/12
Louisville Handicap	US · Louisville	CLASS II	1800m	$24.85 USD	$268.40 USD	4/12
Hyderabad Silver Crown	IN · Hyderabad	CLASS II	2400m	$100.15 USD	$1,081.63 USD	3/12
Montreal Stakes	CA · Montreal	CLASS I	1600m	$25.10 USD	$271.08 USD	6/12
South African National Derby	ZA · Johannesburg	CLASS I	2200m	$461.99 USD	$4,989.47 USD	6/12

El Derby Premiere
CL · Concepcion · 2400m · Class V

00:44:53

1ST	THE TASTE OF MINK
2ND	HAY GOVINDA!
3RD	THE LOCH NESS MON...
4TH	MOTHER PFUNDER
5TH	ROCK HARD ROD
6TH	SULTAN OF SWAT
7TH	CAP'N CRUNCH
8TH	NETFLIX AND CHILL
9TH	A NIGHT IN CHINA
10TH	ME HIM AND HER
11TH	SUPER DARK CHOCOL...
12TH	SUPER RADIOACTIVE

PRIZEPOOL 0.0184 ETH

765m

Show Positions

El Derby Premiere
CL · Concepcion · 2400m · Class V

1 ST	HAY GOVINDA!	02:21:823
2 ND	THE TASTE OF MINK	02:22:134
3 RD	CAP'N CRUNCH	02:22:238
4 TH	A NIGHT IN CHINA	02:22:523
5 TH	ME HIM AND HER	02:23:043
6 TH	SULTAN OF SWAT	02:23:252
7 TH	MOTHER PFUNDER	02:23:885
8 TH	THE LOCH NESS MONSTER	02:25:330
9 TH	NETFLIX AND CHILL	02:26:085
10 TH	SUPER RADIOACTIVE	02:27:017
11 TH	ROCK HARD ROD	02:27:161
12	SUPER DARK CHOCOLATE	02:27:394

PRIZEPOOL 0.0104 ETH

WINNER

1ST HAY GOVINDA!

STABLES	CAREER	WIN RATE	GENOTYPE	GENERATION	BLOODLINE
Ganapati Ashva	79-68-49	12.4%	Exclusive	Z11	Buterin

Breeding Horses

- Breeding is a major part of the Zed Run ecosystem, where two horses can be bred and create a new horse.
- Every time a new horse is born, a freshly minted token is created to represent the new horse's DNA profile including its bloodline, genotype, breed, and coat color.
- In order to breed horses on Zed Run, you must:
    - Be a stable owner
    - Own at least one male (colt or stallion) and female horse (filly or mare). Colts and fillies are horses that haven't produced any offspring yet, whereas stallions and mares are horses that have produced at least one horse.
    - Have sufficient funds in your wallet
- Males can only be bred 3 times a month (36 times a year) and females can only breed once a month (12 times a year).
- Male horse owners determine the fee they wish to charge for breeding with their horse. Female horse owners pay the breeding fee, but they keep the offspring between the horses.
- The gender of the new horse is randomly generated. There is no way to specifically breed only males or females.

Breeding

FEMALE

Hot Clementine

You have selected **Hot Clementine**, she is a beauty.

STUD

The Accountant

The Accountant is a Colt and he is ready to mate. You selected male from your Stable and get **-35% discount**.

Nakamoto

Z1 Genesis

Filly

Hell Red

Nakamoto

Z3 Exclusive

Filly

Violet Tide

PERFORMANCE

⭐ 3 - 0 - 0

🐴 0 **1 of 12 left** ⚠️

PERFORMANCE

⭐ 3 - 0 - 0

🐴 0 12 of 12 left ⓘ

Horse Qualities and Characteristics

- All horses are created/minted with unique characteristics such as:
    - Ability score
    - Distance preference
    - Fatigue factor
- Other traits include:
    - Super Coats, which is when the offspring is born with the same color coat as its parents. Only 0.5% of all horses are considered super coats as of June 2021.
    - Genesis horses: These are first generation racehorses. There will only ever be 38,000 Genesis horses in the ZED ecosystem.
    - Legendary horses: These are created from breeding two Genesis horses together.

Neptune	Earth	Wild	Moon	Fiery	Classic	Mystical
5 Aggressive Azure	5 Honeydew	5 Gainsboro	4 Slate Gray	5 Peach Puff	5 Cornsilk	5 Papaya Whip
			4 Stronghold Ivory			
			6 Arctic Snow			
7 Alice Blue	7 Rosy Brown	7 Chartreuse	9 Ghost White	7 Coral Wave	7 Golden Rod	7 Misty Rose
7 Cadet Blue	8 Antique Brass	7 Sir Aquamarine	9 White Smoke	8 Firebrick	8 Burlywood	7 Pale Violet
7 Powder Blue						
7 Royal Blue						
8 Absolute Zero						
9 Air Superiority Blue	10 Brown Sugar	9 AO	9 Anti-Flash White	9 Alizarin Crimson	9 Arylide Yellow	9 Mystic Maroon
9 Azure Mist	10 Champagne Papi	10 Feldgrau	9 Antique White	9 Atomic Tangerine	9 Banana Mania	9 Oval Orchid
10 Cosmic Cobalt	10 Cinereous	10 Cal Poly Pomona	9 Battle Horse Gray	9 Big Dip O'Ruby	10 Buff Gold	9 Thistle
10 Azure	10 Copper Penny	10 Caribbean Green	10 Midnight Black	9 Bittersweet Shimmer	10 Café Au Lait	10 Amethyst
10 Bondi Blue	10 Coyote Brown	10 Dark Moss	10 Alabaster	10 Colombo Spice	10 Chrome Yellow	10 Baker-Miller Pink
10 Bleu De France	10 Dark Lava	10 Dartmouth Green	10 Black Chocolate	10 Burnt Umber	10 Cosmic Latte	10 Byzantine
10 Celestial Blue	10 Deep Taupe	10 Space Sparkle	10 Shadow Fighter	10 Crimson Tide	10 Desert Sand	10 Byzantium
10 Cerulean Frost	10 Field Drab			10 English Vermillion	10 Fawn	10 China Pink
10 Egyptian Blue	10 Sienna			10 Fuzzy Wuzzy	10 Flex	10 China Rose
10 Bright Cerulean	10 Taupe			10 Burnt Sienna	10 Hairy Canary	10 Cinnamon Satin
				10 Cinnabar		10 Cotton Candy
				10 Fire Opal		10 Cyclamen
						10 Dark Byzantium
						10 Destiny
						10 Electric Violet
						10 Eminence
						10 Fandango
						10 Fiery Rose
						10 Suave Mauve

F \ M	✦ Genesis	🔥 Legendary	💧 Exclusive	💧 Elite	◑ Cross	💧 Pacer
✦ Genesis	Legendary	Exclusive	Elite	Cross	Cross	Pacer
🔥 Legendary	Exclusive	Exclusive	Elite	Cross	Cross	Pacer
💧 Exclusive	Exclusive	Elite	Elite	Cross	Cross	Pacer
💧 Elite	Elite	Cross	Cross	Cross	Cross	Pacer
◑ Cross	Cross	Cross	Cross	Cross	Pacer	Pacer
💧 Pacer	Pacer	Pacer	Pacer	Pacer	Pacer	Pacer