



TERRAN

The New Leading NFT Marketplace

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Abstract

Non-fungible tokens (NFTs) have become one of the most beginner-friendly avenues to introduce people to the world of blockchain and cryptocurrency. They also made many people rich, as they became an internet sensation that witnessed the endorsement of some of the most influential personalities on the planet.

While the concept of non-fungible tokens (NFTs) originated in 2012, it only became the darling of the crypto space in 2020. From art and music to tacos and toilet paper, these digital assets are booming in sales like the 17th-century exotic Dutch tulip—some for millions of dollars.

However, some experts say NFTs are like a bubble poised to pop, like the Dutch tulips or the dot-com craze. On the other hand, others believe NFTs will change the investing landscape for good and will stay for the long run.

Regardless, Terran Coin believes that the NFTs of today need a dedicated blockchain ecosystem for a new era where everything can exist virtually and every transaction can be accomplished digitally.

We are proud to introduce Terran Chain, a blockchain designed to cater to projects looking to mint cheaper NFTs while being supported by advanced technology. Terran Chain uses the novel Dual Delegated Proof-of-Stake (DDPoS) and boasts a speed of 300,000 transactions per second (TPS). NFTs minted on the Terran Chain will be under the NSTA_602 standard for higher scalability and security.

Soon, Terran Chain NFTs will become available for viewing and purchasing on a dedicated NFT marketplace created by our team. Through the marketplace, users will be able to add metadata, publish NFTs, list them for sale, or even keep them private.

We also invite developers to design NFT creation tools, as well as gaming companies to integrate Terran Chain NFTs into their blockchain games.

The native cryptocurrency and utility asset that serves as the fuel for the Terran ecosystem is Terran Coin (TRR), which has a maximum supply of 10 billion coins.



TRR will be using the ERC-20 and BEP-20 token standards. For clarity, NSTA_602 is the token standard for NFTs, while TRR's official cryptocurrency will be using ERC-20 and BEP-20.

TRR will serve as the gas fee and minting fee for creating NFTs and smart contracts. As we plan for Terran Chain to become fully autonomous in the future, we are also opening up the possibility of creating a decentralized autonomous organization (DAO) where Terran supporters will be able to participate in important matters. To give equal opportunities to the community, we are offering TRR to become a governance asset as well.

Background

Concept of NFTs

We are living in a new era where non-fungible tokens (NFTs) are everywhere these days. From art and music to tacos and toilet paper, these digital assets are booming in sales like the 17th-century exotic Dutch tulips—some for millions of dollars.

But are NFTs worth the money—or the hype? Some experts say they are like a bubble poised to pop, like the dot-com craze or Beanie Babies. Others believe NFTs will change the investing system forever and will stay for the long run.

In March 2021, a work of art sold for \$69,000,000 called 'Everydays: The First 5000 Days', at Christie's Auction House. It was not unusual to see eight-figure art sales, but this caught the attention of everyone as it was sold as a non-fungible token (NFT) for almost \$70,000,000 – an image that lives entirely in the digital world.

The general public grasped the technology as ridiculous – a scam or a sham. But as time went by, with more proof and popularity, the public completely changed its perception of the technology – with huge and established corporations embracing it and accepting it as the future.

What Are NFTs?

The term NFT stands for “non-fungible token.” They are cryptographic assets that belong on a blockchain, containing unique identification codes that distinguish each asset from another. To give you a simple idea, NFTs are like modern-day collectibles – anyone can buy/



sell NFTs online which include a digital proof of ownership of the item.

With the latest technology, NFTs are secured and stored on a blockchain as they use unalterable distributed ledgers. Each NFT comes with a private key that you can stash in a digital wallet. Most importantly, this key is required to access and transfer your NFT.

The Evolution of NFTs

Long before Ethereum existed, the concept of NFTs originated in December 2012 with the research paper titled ‘Overview of Colored Coins’ by Meni Rosenfeld. This research paper described methods for representing and managing real-world assets on the Bitcoin blockchain. The concept, as a result, laid the foundation for the experiments that led to the invention of NFTs.

In 2014, digital artist Kevin McCoy minted the first-known record of an NFT ‘Quantum’ on the Namecoin blockchain. This resulted in a significant amount of experimentation and developments built on top of the Bitcoin blockchain. Additionally, the Ethereum blockchain started its reign over NFTs.

Following 2014’s events, the Counterparty platform (Bitcoin 2.0) and Spells of Genesis were established. These platforms were made for the creation of digital assets and in-game assets, respectively.

Once 2016 came along, the rise of memes saw the release of a host of ‘Rare Pepes’ NFTs on the Counterparty platform. Furthermore, as the Bitcoin blockchain was never created as a database for tokens that represent asset ownership, the big shift of NFTs to the Ethereum blockchain began.

Then, in 2017 the NFT shift to Ethereum was propelled by the introduction of a set of token standards. This allowed developers to create tokens in the Ethereum blockchain. Specifically, it was a subsidiary of the smart token standard which informed developers on how to create, issue, and deploy new tokens that were in line with the underlying blockchain technology.

Moving forward, two software developers John Watkinson and Matt Hall saw the success of the Rare Pepes NFTs and created their own NFT series on the Ethereum blockchain. Their generative series of NFTs was dubbed ‘Cryptopunks’ and included 10,000 pieces with no duplicate characters. This project was inspired by cyberpunk and London punk culture.



In October 2017, a test version of CryptoKitties was unveiled at an Ethereum hackathon that took place in Waterloo, Canada. Cryptokitties is an Ethereum-based blockchain game and is one of the earliest attempts to deploy blockchain technology for recreational activities. The game became a viral sensation and made unbelievable profits.

Following the success of CryptoKitties, NFT caught momentum and moved forward with more public attention.

Famous NFT Owners

Reportedly, a myriad of celebrities embraced NFTs. Moreover, social media was overwhelmed by a tsunami of tweets by celebrities announcing their ownership of NFTs. Several have entered the NFT space, funded NFT collections, or launched their own celebrity NFT platform.

Timothy Zachery Mosley, also known as Timbaland, who is a record producer, singer-songwriter, and rapper, bought the most expensive NFT, Bored Ape, to enter the exclusive Bored Ape Yacht Club.

On the other hand, Marshmello, the electronic music producer and DJ, changed his Twitter profile picture to a CryptoPunk. Then the artist added a KaijuKing NFT to his portfolio - estimated at over \$1 million.

Arguably, one of the famous names on this list, Justin Bieber, is also an investor in the NFT space. When he purchased an Alien Frens NFT, and as news of his purchase hit the media, the floor price of Alien Frens quickly pumped to 3 ETH.

Business Opportunities in NFT creation

NFT Minting

Nowadays, we are in a new era where everything can turn into a business. Back in the 1900s, it wasn't as easy to open a new business; we did not have advanced technology and strategies as we do now.

Now, however, it's incredibly simple to start a business. Creative-minded designers can experiment and test their skills by creating art or digital content, figure out all the aspects of NFT minting, and put it on marketplaces.



NFT Creation Tools

The NFT space is relatively new, so there currently aren't many tools available on the market. For instance, typically, it takes many steps to buy an NFT. Users usually end up paying unnecessary fees in that process. Therefore, building new NFT tools helps people make better purchasing decisions and have a convenient experience.

NFT Gaming

NFT gaming is a new trend. CryptoKitties is widely known to be the first iteration of NFT gaming. Quickly followed by others, it rapidly attracted the public's attention. Unlike traditional gaming, NFT gaming involves using NFTs and Ethereum-based tokens to create in-game assets which can be traded or exchanged. Additionally, these assets can include in-game currency, in-game items, or coupons.

Vision and Goals

Terran's goal is to further propagate the concept of NFTs as a business – not just for entities, but for individuals as well. Users must not require high blockchain technology knowledge to be involved with NFTs. Terran aims to lower the barrier to entering the world of non-fungible tokens.

The vision of Terran is to be the leading NFT minting and marketplace platform. This is supported by Terran's mission to make the concept of NFT businesses more accessible to the general public.

Terran aims to overtake established platforms such as OpenSea, Magic Eden, Nifty Gateway, and more – to claim the number one spot in the industry. Terran's team plans to do this by creating an NFT minting platform and marketplace that will be the most efficient and accessible for users. A marketplace where creators can sell their work via NFTs because Terran firmly believes that more people should benefit from this new and revolutionary technology.

Furthermore, Terran aims to build a future where anyone can mint, sell, and make a personal business out of their creations via NFTs.



Platform Features

NFT Minting Platform

Terran's NFT Minting platform boasts its own blockchain and protocol that allows it to be both user-friendly and efficient. The minting platform will enable users to kickstart their NFT business journey in the easiest way possible. With plenty of features, Terran will be a one-stop shop when it comes to doing business with NFTs.

The blockchain used for Terran's minting platform is Terran Chain, along with the Dual Delegated Proof-of-Stake (DDPoS) consensus protocol. Additionally, Terran will feature its own NFT Marketplace. Through these three integral parts of the platform, users will be able to mint any digital asset they wish for – pictures, music, videos, video games, memes, GIFs, etc.

Terran Chain is a blockchain specifically created for NFT minting – a simple and intuitive technology that users won't need much technical blockchain knowledge to utilize. It is scalable, boasts low gas fees, and performs at exceptional speed. Additionally, the DDPoS protocol is an advanced version of the Proof of Stake (PoS) consensus and consists of 21 masternodes. This consensus saves both power and resources, making it a largely global eco-friendly solution. Finally, Terran's NFT Marketplace will be the platform where all minted NFTs will be published and put up for sale.

A simple and intuitive blockchain, a reliable consensus, and an NFT marketplace are three of the key factors needed to mint NFTs. With all of these features present in Terran's platform, NFT minting can effectively take place. Following is a step-by-step guide on how to Mint NFTs using the Terran platform.

Select Your Item

To start minting your own NFTs, you have to select the type of digital asset you want to tokenize first. Again, it is important that you hold the IP rights to this digital asset, i.e., that another individual or entity does not own the rights to the asset aside from you. This could otherwise cause you legal problems in the future.



Set Up MetaMask

Following that, you will have to set up a software wallet to store your cryptocurrency. A software wallet stores your cryptocurrency and NFTs assets. Prior to this, you must create a wallet address that represents your “ID” where you can receive cryptocurrency.

Head to <https://metamask.io/> to either download the app or the Google Chrome extension. There are no fees involved in creating a MetaMask wallet. Remember to take note of your seed phrase for wallet recovery purposes.

Upload Your File to the Terran Platform

Next, head to the Terran platform to connect your MetaMask wallet with Terran. Afterward, you will be able to upload the digital asset that you wish to tokenize. This process allows you to turn any file type (GIF, PNG, MP3, etc) into its own NFT. Finally, give your digital asset specific properties and statistics to differentiate it from your other assets.

Set Up the Sales Process

Finally, it’s time to determine how you want to monetize your chosen NFT. You can either sell your NFTs at a fixed price, set a timed auction, or start an unlimited auction.

If you set up an auction, you would have to determine your minimum price. When deciding on a minimum price, consider all the fees to ensure you are not faced with a deficit. Additionally, you should set your royalties to continue receiving revenue as your NFT is resold on secondary markets. Finally, if you choose a timed option, you would also have to choose how long the auction would take.

Fortunately, unlike other blockchains, Terran’s NSTA_602 NFT token standard features highly affordable listing, minting, and transaction fees.

NFT Marketplace

The Terran NFT Marketplace is the platform that will allow users to publish and sell their NFTs. Users will be conducting the majority of their NFT business – either buying or selling – through this marketplace. Additionally, it aims to compete with the other established NFT marketplaces in the blockchain industry.



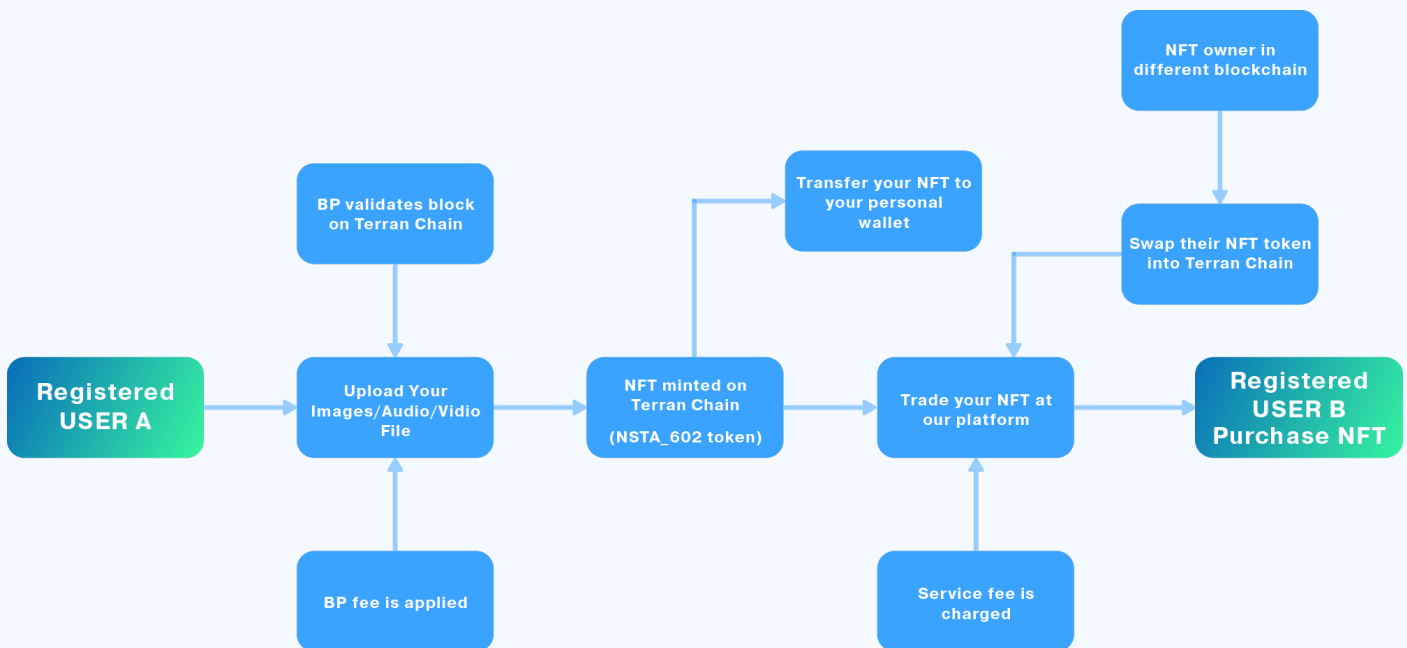
Through the marketplace, users will be able to add metadata, publish NFTs, list them for sale, or even keep them private. This is in line with other NFT marketplaces such as OpenSea, Rarible, Zora, or even Axie Infinity.

Once a user adds a digital asset's metadata and publishes it as NFTs in the marketplace, the token is now considered "minted." Listing, then, will allow users to put their NFTs up for bidding, where they can finalize a sale once they have encountered an acceptable bid. In addition, users have the option to keep their NFT collections private if they are not ready to publish them just yet.

All of these activities - from minting to selling - will make up Terran's NFT ecosystem.

Technology

We employ the Terran Chain to mint and trade NFTs. Terran Chain is one of the most notable NFT-compatible blockchains existing in the crypto space. Users can experience smooth NFT transactions at real-time speed and enhanced security.

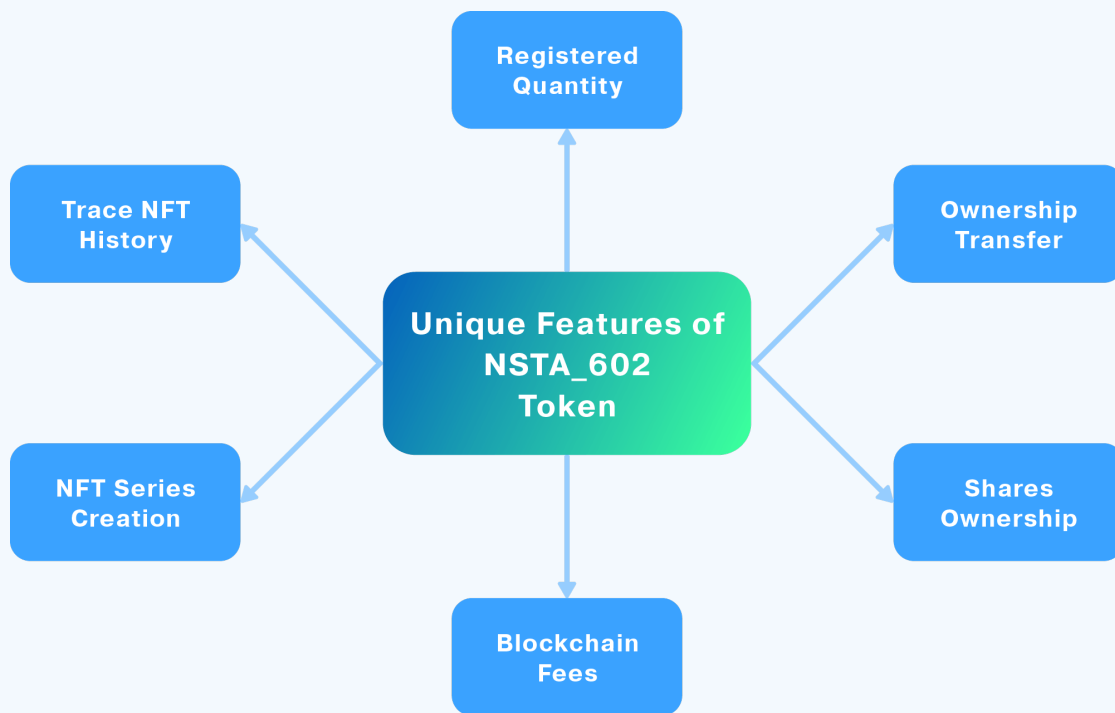


NFT Mainnet - Terran Chain

The token standard NSTA_602 (NFT Standard Token Agreement _602) is an open protocol for minting any NFTs on the Terran Chain. Accordingly, users can mint their own rare NFTs from images and videos with the NSTA_602 token. On top of that, these NFTs can be minted on the Terran Chain at a speed of 300,000 Transactions Per Second (TPS).



Features of NSTA_602 Token



Artists can mint digital assets and turn them into NFTs as a way to own and monetize their work. Similarly, collectors can acquire original artwork without any trouble.

Shared ownership, fees, transfer of ownership, NFT history, registered quantity, and series creation are all some noteworthy aspects of the NSTA_602 token in Terran Chain.

One of the NSTA_602 token's most notable features is its shared ownership, where the ownership of a single NFT can be divided into multiple shares. Therefore, users can purchase a share to own a portion of a single NFT in any format (image, audio, video, etc). As a result, more users will be able to invest their assets in NFTs and curb the ongoing piracy problem with content and art.

When a user mints their NFTs on the Terran Chain, they have to remit a fee set by the blockchain producer (BP). The amount is not fixed and is subject to change due to external factors like heavy website traffic resulting in more block validation requests for BP.

Another characteristic of the NSTA_602 token is ownership transfer, which is always registered on the Terran Chain. Hence, only the current NFT holder will have ownership rights on their respective NFT. Terran will deduct a fixed amount as sales fees when completing an ownership transfer on NFTs on the Terran Chain.



Similarly, with the NSTA_602 token users can trace the entire ownership history of an NFT as recorded on the Terran Chain. In other words, the current NFT owner can get an accurate view of all the previous owners of their acquired NFTs. This feature will help users confirm the authenticity of the NFT.

Furthermore, users can mint more than one NFT unit from the same file and register each unit as a separate NFT on the Terran Chain.

Accordingly, users can also mint their own NFT series or collection effortlessly with the NSTA_602 token on the Terran Chain, similar to popular NFT collections like BAYC and CryptoPunks.

Consensus Protocol – DDPoS

The blockchain consensus has been developed from the Proof-of-Work consensus. PoW has a competitive validation method to confirm crypto transactions and add new blocks to the blockchain.

There are also various prevailing algorithms such as Proof-of-Stake (PoS) and Delegated Proof of Stake (DPoS). PoS randomly selects validators based on their specific crypto holdings to verify all blockchain transactions, whereas DPoS is a verification and consensus mechanism on the blockchain.

In addition to the algorithms mentioned above, many more have been developed to improve the speed and security of blockchain transactions, and one such effective algorithm is Dual Delegated Proof of Stake (DDPoS).

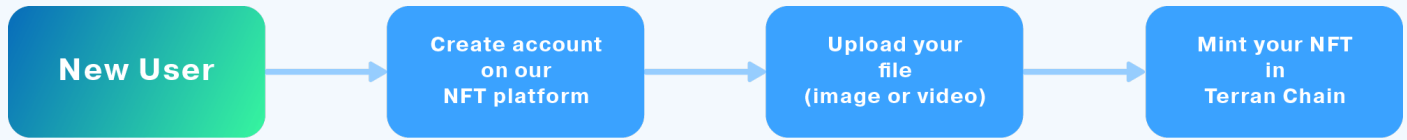
Terran Chain runs on the consensus protocol of Dual Delegated Proof of Stake (DDPoS). This consensus protocol assures advanced security and privacy protection in comparison to engines used in mainstream blockchains like EOS and STEEM.

The NSTA_602 token standard makes use of the Delegated Proof of Stake (DPoS) consensus, and all the NFTs are minted by nodes in the DDPoS algorithm on the Terran Chain. The DDPoS has 21 delegated nodes and is an improved version of the DPoS consensus by introducing one more validation method.

Another notable characteristic of DDPoS consensus is that it may be implemented in the absence or presence of a governance coin, and it can also enable users with real-time transaction speed for minting NFT.



Utilizing the DDPoS algorithm, these nodes generate each NFT on the Terran Chain. Specifically, every 3 seconds, 21 nodes in DDPoS create a block, and every 45 seconds a single transaction is verified on the Terran Chain. Furthermore, the sequence of these nodes is altered every round, making it more secure and immune to hackers.



Token Specifications

Terran Coin (TRR) - is a cryptocurrency that uses both the ERC-20 and BEP-20 token standards. It has a maximum supply of 10,000,000,000 TRR and is available for trading on cryptocurrency exchanges.

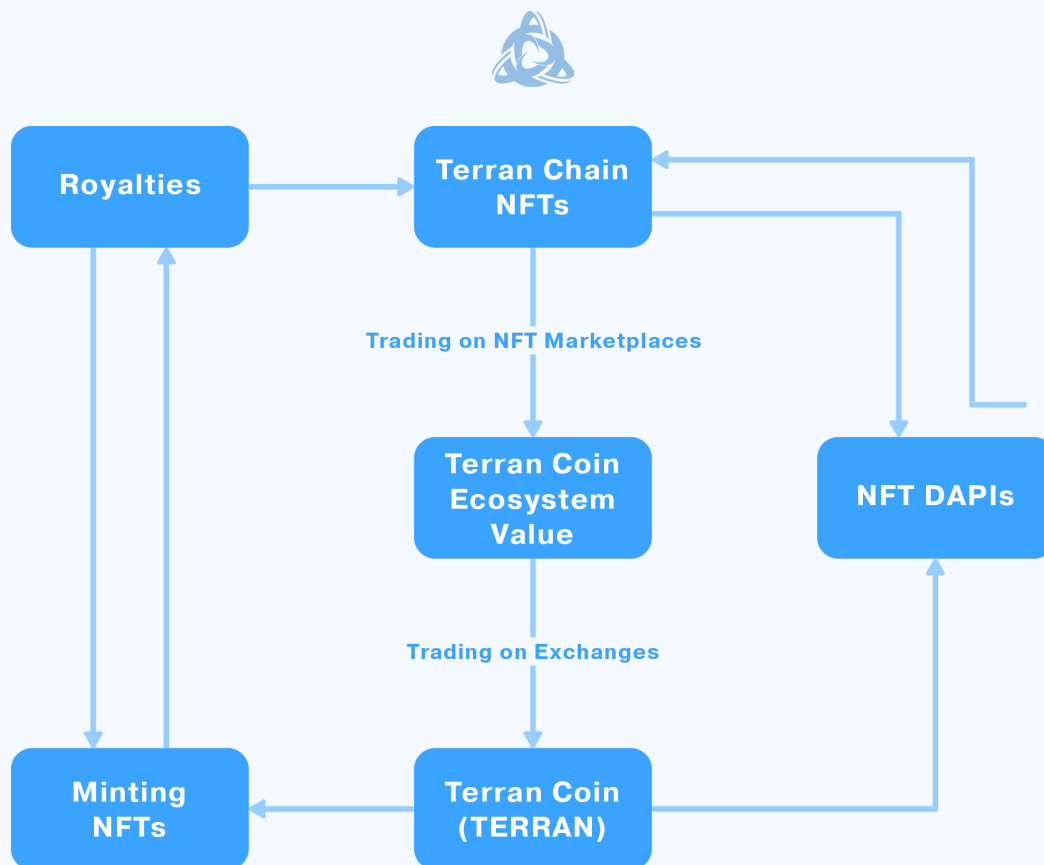
For clarity, NSTA_602 is the token standard for NFTs, while Terran's official token exists on both the Ethereum and Binance Smart Chain (BSC) networks. In detail, the total supply of TRR is split between ERC-20 and BEP-20. We have created a smart contract to balance the supply between these two chains to ensure there will only be a maximum of 10 billion TRR.

Through this, TRR will achieve wide adoption among cryptocurrency users, investors, and traders since the Terran team will aim to list TRR on more platforms. In addition, since Terran Chain is already live, we are also looking to port TRR to our mainnet in the near future.

Token Utility

TRR is the official cryptocurrency and utility of the entire Terran Coin ecosystem. Its primary use cases are gas fees and minting fees.

Every transaction on the Terran Chain will require some TRR. The amount of TRR needed to approve a transaction will vary depending on the number of requests submitted to the block producers.



Likewise, for minting NFTs using the NSTA_602 NFT token standard, users will need to have a TRR balance on their receiving wallet for the minting request to complete.

As we plan for Terran Chain to become fully autonomous in the future, we are also opening up the possibility of creating a decentralized autonomous organization (DAO) where Terran supporters will be able to participate in important matters. To give equal opportunities to the community, we are offering TRR to become a governance asset as well.

Since TRR is already listed on some cryptocurrency exchanges and supported by blockchain wallets like Aladdin Pro, we expect the value to increase considerably. However, we encourage crypto-investors to come up with their own decision based on adequate research (kindly see the Disclaimer section).

These will be made available via token listings on exchanges. Any user or merchant who wants to use TRR for payment will be able to do so even without an in-depth understanding of blockchain technology and cryptocurrency.

Finally, TRR will be used as a fee for the development and implementation of smart contracts, especially those that either become the backbone or interact with the Decentralized Application Program Interface (DAPI).



Road Map

The Terran NFT marketplace is one step closer to revamping the existing NFT Marketplace space. We have integrated an eco-friendly Dual Delegated Proof-of-Stake Protocol (DDPoS) consensus with our Terran Chain to revise the concept of the NFT Marketplace space.

Within 2022

- Launch Terran NFT Marketplace
- Partner with creative NFT artists
- Finalize TRR mainnet swap

2023

Q1

- List TRR on leading global exchanges throughout 2023
- Launch first Terran NFT collection
- Launch first VIP events for NFT owners

Q2

- Launch event for NFT Creators
- Invite blockchain developers to create dAPIs
- Improve Terran scalability and performance

Q3

- Buy TRR from NFT marketplace via credit card
- Introduce NFT swap service
- Integrate TRR on cross-chain decentralized crypto exchanges



Team

Our ace team at Terran consists of top-class proficient, competent, and top-performers in the blockchain and cryptocurrency industry.

Andrey Y.Tsygankov

CEO

As an expert in business prospect research, Andrey manages Terran's overall operations to create disruptive and innovative solutions driving the team toward success. With an insatiable passion for advancing businesses, Andrey has proven himself to be an accomplished and exceptional leader.

Sergei Kuratov

CTO & Blockchain Development

With more than 20 years of IT experience in project management and e-commerce, Kuratov efficiently works to develop the best blockchain solutions for Terran. As an experienced and visionary leader, Kuratov brings his expertise to motivate his team for the highest level of performance.

Abhishek Majumdar

CMO & Blockchain Advisory

An expert in consulting, Majumdar focuses on innovation for long-term success and is responsible for creating and accelerating Terran's marketing strategy. A passionate advocate for sustainability, Majumdar brings a future-centered and far-sighted approach to his strategies and leadership.

Abhijith Naraparaju

CIO & Blockchain Advisory

As the CIO, Naraparaju advises the team about disruptive blockchain projects and ensures that Terran's IT supports the organization's unique objectives and goals. A skilled blockchain solution architect, Naraparaju works closely with his team to achieve the best possible outcomes for Terran.



Attila Ferencz

R&D Engineer

Ferencz constantly improves Terran's technology and innovates to provide diverse transformative solutions, guiding the team in its visionary journey. With over 15 years of outstanding experience, Ferencz possesses a blend of scientific research and engineering expertise.

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No Representations or Guarantees

Please note that the company does not guarantee any of the prices, values, or allocations of the tokens rewarded. Readers acknowledge that we hold neither power nor influence over the tokens, and consequently, bear no responsibility for any losses faced in the trading or exchanging of tokens in any way or form. We hold no responsibility, liability, or accountability in these matters for the foreseeable future.

Not a Security Token

The company hereby informs the reader that we do not sell security tokens. This means that the possession of any TRR tokens will not indicate holding a stake or sum of any place or platform.

This is to prevent any possible legal action on token-holders of the Terran Coin, especially within territories with strict security token regulations. Moreover, no information expressed in this document should be regarded as security token sale advice.

Sale Restrictions

Readers should ensure that they clearly and completely understand that purchasing, trading, and holding cryptocurrency is not legal in certain jurisdictions, thus availability may be limited. Furthermore, in adherence to the Anti Money Laundering (AML) and Know-Your-Customer (KYC) standards, only confirmed identities of individuals and parties will be invited to participate.

It should also be noted that Terran reserves the sole right to deny any partaker under the age of 18 or those who reside in geographical locations where the buying, trading, and holding of cryptocurrency tokens are against the law. We do not guarantee the legality of purchasing any such tokens.

It is the reader's responsibility to confirm their eligibility to participate in the token purchasing sale, thus validating that they are in a legal and lawful capacity to hold cryptocurrency tokens. It is advised, with the best intentions, that participants consult certified legal and financial advice before purchasing or trading cryptocurrency tokens.



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Terran – NFT minting and marketplace platform.

TRR – Native token of the Terran platform.

NFT – The acronym for ‘non-fungible token’, which is a type of cryptographic token that is non-interchangeable with another token of its kind.

Blockchain – A system of recording information in a decentralized, transparent, and secure manner, thanks to advanced cryptography.

Private Key – Also known as a secret key, this is used to create digital signatures without having to divulge the user’s secret keyword(s).

Digital Wallet – Also known as ‘electronic wallet’, which stores digital assets (e.g. cryptocurrencies, non-fungible tokens, etc.)

Ethereum – Ethereum (ETH) is a decentralized, open-source blockchain with smart contract functionality. Ether is the native cryptocurrency of the platform.

Mint – The process of creating new crypto coins or tokens.

Floor Price – The floor price is the lowest price of a digital item associated with an NFT project.

NFT Gaming – It involves using NFTs and Ethereum-based tokens to create in-game assets.

Protocol – NFT Protocol is a decentralized trading infrastructure to support the non-fungible token (NFT) asset class.

NSTA_602 – The token standard NSTA_602 (NFT Standard Token Agreement _602) is an open protocol for minting any NFTs on the Terran Chain.

Delegated Proof of Stake (DPoS) – is a consensus algorithm developed to secure a blockchain by ensuring representation of transactions within it.



Dual Delegated Proof of Stake (DDPoS) – DDPoS protocol is an advanced version of the Proof of Stake (PoS) consensus and consists of 21 masternodes.

Gas Fees – Gas fees are payments made by users to compensate for the computing energy required to process and validate transactions on the Ethereum blockchain.

Proof of Stake – Proof-of-stake (PoS) is a class of consensus mechanisms for blockchains that work by selecting validators in proportion to their quantity of holdings in the associated cryptocurrency.

Node – Any computer or entity that proactively participates in any blockchain and that stores a copy of the entire blockchain.

Tokenize – Refers to the process of creating digital tokens that represent ownership of a real-life asset.

Cryptocurrency – A digital asset that is protected by advanced cryptography.

Seed Phrase – A series of words generated by a person's cryptocurrency wallet that enables users to access their assets stored in the wallet.

NSTA_602 – The token standard NSTA_602 (NFT Standard Token Agreement _602) is an open protocol for minting any NFTs on the Terran Chain.

Proof of Work – Proof of Work (PoW) describes the process that allows the bitcoin network to remain robust by making the process of mining, or recording transactions, difficult.

ERC-20 token – An ERC20 token is a standard used for creating and issuing smart contracts on the Ethereum blockchain.

DAO – The acronym for decentralized autonomous organization, which is a highly democratic social community or organization.



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