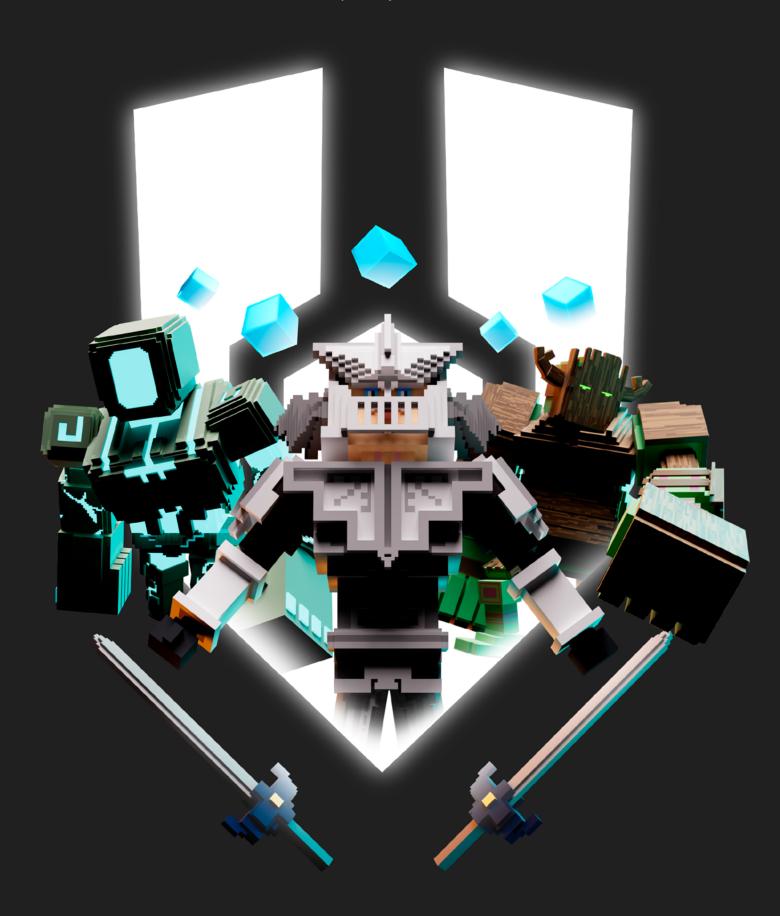
FIEFVERSE WHITEPAPER

Vox Blox (VOX) Tokenomics



Introduction

The Fiefverse is a next-generation voxel world platform designed to host an endless expanse of game and social experiences. These experiences are both generated by the Fief Entertainment ("Fief") team and by third-party members of the community through User Generated Content (UGC).

The Fiefverse itself is a system of interconnected sub-worlds, each with their own owners, assets, and economies. The first available sub-world is developed by Fief and is called High Fantasy World, with a primary game type focused around base building and first-person Avatar raids.

As the Fiefverse expands with more intra-world title releases, the Fief team is opening up the platform to third-party developers to create their own worlds and associated experiences.

To facilitate this, the Fief team is introducing **Vox Blox (VOX)**, the smallest unit of matter in the Fiefverse and the building blocks required to create voxel assets within the Fiefverse. Each VOX is a fungible token represented on the blockchain, offering an extremely unique approach to voxel asset generation in the Fiefverse.

In this whitepaper, we provide details on the Fiefverse platform, in addition to a breakdown of the utility of VOX and the associated tokenomics.



PRIMER ON THE FIEF PROJECT

THE FIEF PROJECT IS COMPOSED OF TWO MAJOR LAYERS:

- 1. **Fiefverse** a next-generation voxel world platform designed to host an endless expanse of game and social experiences.
- 2. Fief Protocol a suite of decentralized applications that focus on transactional interactions associated with and adjacent to the Fiefverse.

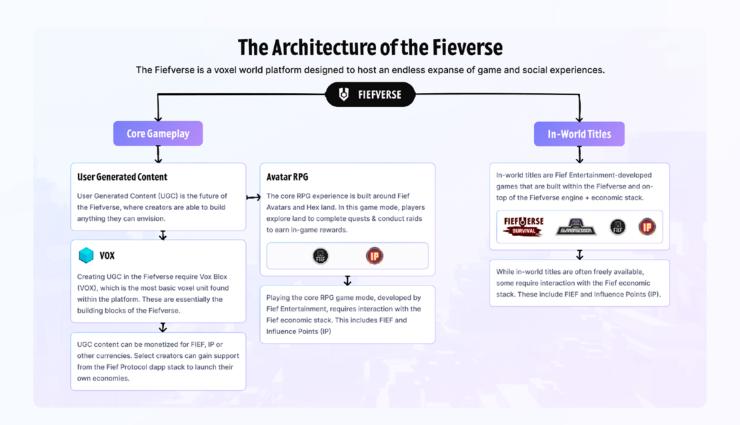
Both layers are designed to work in concert with each other, providing a seamless and integrated experience that unlocks sustainable game economies.

Fief Protocol specializes in the areas of decentralized finance (DeFi) and NFT finance (NFTfi), with numerous dapps code-complete or in development. These include Fief Protocol's flagship staking dapp, Loot Farms, and upcoming NFT innovations such as an NFT Automated Market Maker (AMM) via FiefSwap.

Interactions on the Fief Protocol are supported by the Fief Token (FIEF), which functions both as a utility token, and once decentralization is activated, as a unit of voting when staked. FIEF also has select utility within the Fiefverse. Both the Fief Protocol and the Fiefverse have also integrated an off-chain, soft currency called Influence Points (IP). This soft currency allows players to purchase items within the Fief Shop, and is designed as a reward and gating unit of value that makes it possible to deliver off-chain gaming experiences without reliance upon web3 hooks at every turn. IP is one of many innovations that Fief has brought to market over the past year.



YOU CAN READ MORE ABOUT THE FIEF PROTOCOL IN THE OFFICIAL DOCUMENTATION.



THE MAKEUP OF THE FIEFVERSE

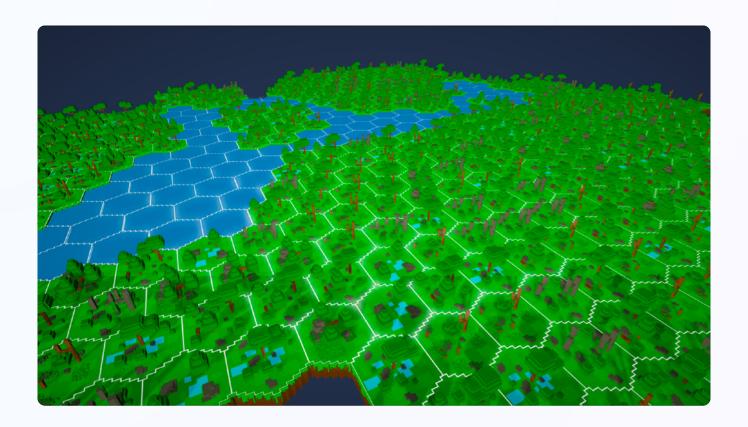
The Fiefverse is a breathtaking voxel world teeming with endless possibilities and opportunities for adventure. As you step into this captivating realm, you'll take charge of your very own customizable Avatar, unlocking the freedom to explore, engage in thrilling battles, trade with fellow inhabitants, and much more.

Fiefverse offers a unique, player-centric experience where the Hex land itself is entirely owned and governed by its inhabitants. With a plethora of game types to choose from and the chance to earn real-world rewards, Fiefverse elevates the gaming experience to unprecedented heights.

Embark on an epic journey through a multitude of immersive thematic sub-worlds, each with its own distinct allure. These sub-worlds are developed by a distributed collection of creators, studios, and projects.

The Fief team is the first creator to develop in the Fiefverse and is building the core Avatar RPG that brings to life the first sub-world, called High Fantasy World. In this sub-world you will find unique Avatars, game titles, and Hex-based experiences.





USER GENERATED CONTENT (UGC) IN THE FIEFVERSE

THERE ARE THREE PRIMARY TYPES OF CREATORS IN THE FIEFVERSE:

- 1. Sub-world creators
- 2. Fief world experience creators
- 3. Asset creators

Sub-world creators

Sub-world creators are professional or indie experience developers, often in the form of projects, development studios, or high-powered individuals.

Sub-worlds have three defining characteristics:

- 1. Hex land
- 2. Native avatars
- 3. Dedicated games or social experiences

Sub-world hex lands and Avatars are not made up of Vox Blox to allow for scalability of experiences. However, sub-world creators may be required to achieve a certain amount of deposited Vox Blox from the community before they are able to seed their sub-world.

All sub-worlds are developed within the design standards put forth by the core Fief team via a dedicated experience-maker software that will be made available to further unify the development process.

Sub-world creators have the option to conduct initial offerings of Hex lands, Avatars, and any associated tokenized assets through the Fief Protocol infrastructure.

Fief world experience creators

Game developers or creators who are not interested in owning an entire sub-world have the option to create experiences in Fief's sub-worlds.

These experiences can be entirely standalone, such as the Fiefverse Survival title, or be integrated directly into the Hex lands. The creator must own the Hex land they wish to build the UGC experience within.

Example: a motivated creator could develop a network of dungeons on High Fantasy World Hex land where they can further monetize their holdings by charging players to crawl the dungeons for exclusive, Fief-approved loot. The assets that are used in this Hex land experience would be created in the VOX Builder and be entirely made up of Vox Blox. More on this below.

Asset Creators

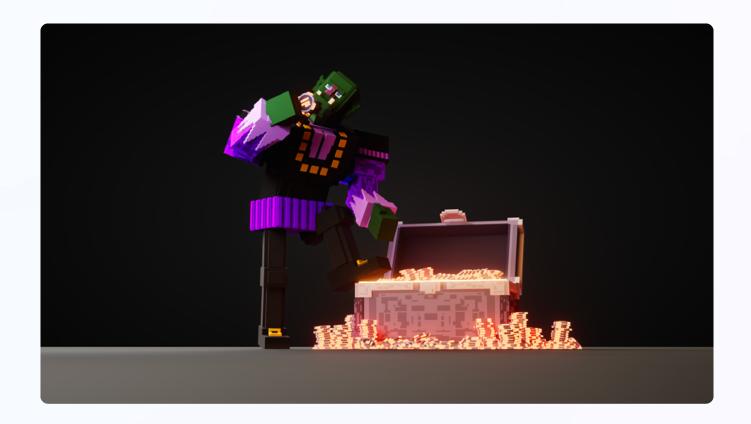
Voxel artists who want to monetize their skills in the Fiefverse are able to do so through the VOX Builder.

Asset creators are individuals or studios who want to create voxel assets that are approved for use in sub-worlds. Approval must be granted by the sub-world owner and all assets must follow specific guidelines.

The Fief team plans to pioneer this in High Fantasy World through weapons, armors, props, and more.

Created assets can be directly monetized by creators through FiefSwap, either through traditional NFT listing sales or via NFTfi applications like AMM listings.





THE FIEFVERSE OPPORTUNITY

The metaverse represents one of the most attractive segments in all of the cryptocurrency space, with a multi-billion dollar TAM that is currently being controlled by only a handful of projects.

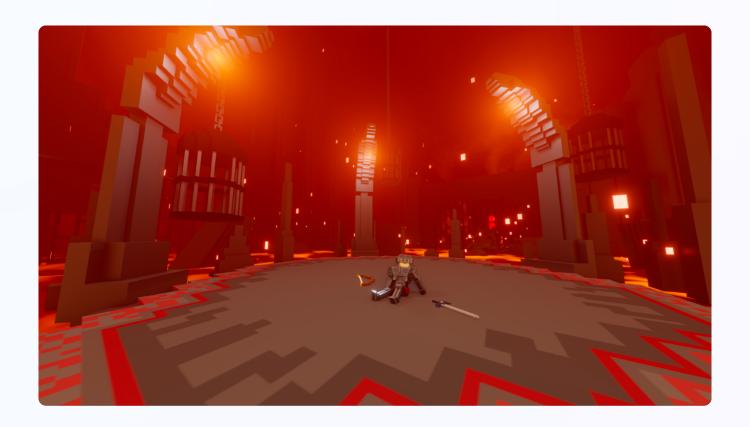
When assessing the landscape of metaverse projects, it's clear that not much innovation has occurred at the UGC or third-party creator level due in large part to a reluctance to lean into more open, crypto-centric concepts.

A great majority of these projects have taken the approach of going after mainstream brands and building hype around brand partnerships to sell NFT assets to their users, often at the detriment of current token holders and small-time developers who are attempting to build within the metaverse.

While this approach has helped build multi-billion dollar token valuations on paper, it has become clear that it's a non-sustainable practice that results in a disconnect between token utility and the growth of the underlying project.

We believe that there is immense opportunity in taking a different path, one that embraces open economic systems and unique applications of scarcity economics to support crypto native projects and creatives.

This model is further supported by the recent explosion of mod culture in traditional gaming, highlighted by the recent successes of Fortnite Creator 2.0. There is a clear trend towards platform-plays that help derisk development for game studios and the Fiefverse platform aims to achieve this in the web3 space.



GROWTH THROUGH ACTION

The prominent model of metaverse projects is to develop the framework for third-party creators to build on their platform, with limited incentives and extractive fees that work to take money out of the system.

These issues are compounded by the fact that most metaverse projects that are building platforms for third-party creators aren't investing the time or resources into building games or social experiences themselves.

This results in a situation where token holders and potential users are forced to wait around until a third-party project is able to develop an experience that is worthy of their engagement. This is a lot of weight to put on the system and results in the headlines we see of billion dollar metaverse tokens only having 30 daily active users.

We have decided to take a different path.

With the Fiefverse, the Fief team has rolled up its sleeves to become the first major creator to adopt the platform. By doing so, we're able to release numerous game experiences that function as a baseline of content that keep players engaged and user numbers up to help derisk adoption among third-party creators.

Fief already has one live game title set in its High Fantasy World, called Fiefverse Survival. Survival is a 30-round wave defense game that was designed to have high replay value. The game pits a lone Avatar warrior armed with a sword and bow against numerous High Fantasy World enemy types. As the waves become more difficult and formidable bosses are encountered, players must employ various tactics and strategies in order to survive.

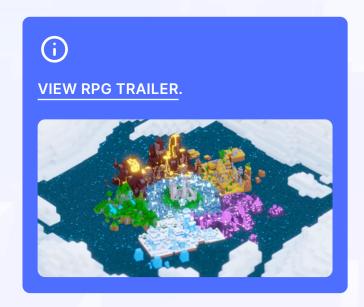
Fiefverse Survival was featured at GAMERGY 2023 and has since become a popular free to play title that has helped grow the Fiefverse user base. More maps and game features are coming to Fiefverse Survival in 2023.

Fief has two titles that are currently in development, the core Fiefverse Avatar RPG and Glarbageddon. The Fiefverse Avatar RPG is an experience filled with quests and most excitingly: the ability to launch raids for real rewards against user-owned Hex lands. Owners of these Hex lands build up their defenses with structures and NPC defenders as they aim to protect their loot from being stolen by invading Avatar players.

Over time, the Fief team will expand the RPG from High Fantasy World to intertwine quests across other sub-worlds and user generated content.

Notably, In the High Fantasy RPG, Avatar owners breed and collect minion companions called Glarbs that are able to accompany them on their raids and quests.

Fief's second title in development, Glarbageddon, features these breedable Glarb characters with hundreds of unique hereditary traits and associated abilities in their own standalone card battler title. Glarbageddon incorporates a blend of familiar and addicting gameplay mechanics with first-of-its-kind NFTfi elements for a novel card battler gaming experience.





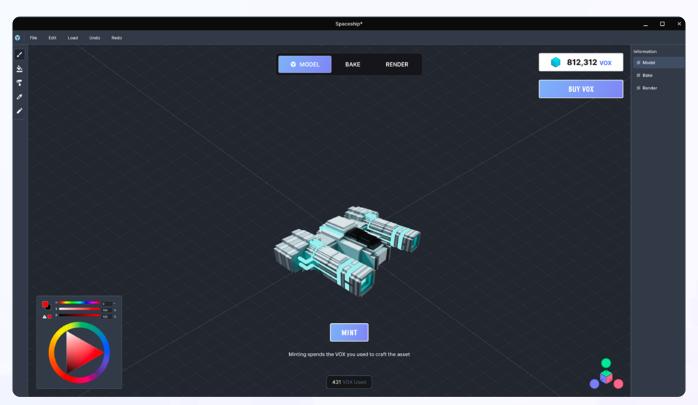
SUPPORTING CREATORS

To support creators and projects building within the Fiefverse, the Fief team is developing a number of tools and products that can be classified into **two broad categories**:

- 1. Experience Creation and Deployment
- 2. Economics

EXPERIENCE CREATION AND DEPLOYMENT

// VOX Builder (In Development)



The VOX Builder is the primary platform offering that allows creators to design and mint custom voxel assets for use in the Fiefverse. Through the builder, creators are also able to rig and animate their assets to bring them to life.

To mint assets, creators must hold Vox Blox (VOX) and each time an asset is minted, the required VOX balance is deducted from creator's web3 wallet. The VOX amount is inscribed into the metadata of the created asset and the VOX is burned from existence. If ever the created asset is deconstructed, the VOX amount will be minted and

redistributed back to the web3 wallet of the user who initiated the action.

By infusing each Fiefverse NFT with VOX, a degree of liquidity will always be available. This is a built-in mechanism that assures a sustainable and viable economy where both creators and players can feel confident that there will be a market for their assets.

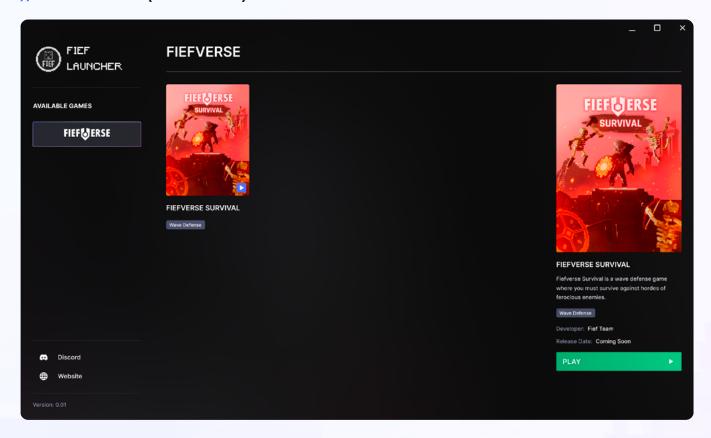
This builder is browser supported and fully integrated with FiefSwap to allow for automatic purchases of VOX without needing to leave the

creative flow. This provides an unprecedented level of on-chain demand for VOX that is seamlessly integrated into the experience of building within the Fiefverse.

To allow for omnichain creations, the web3 touchpoints for the VOX builder are being built on top of LayerZero.

All minted assets follow the Omnichain NonFungible Token (ONFT721) standard via LayerZero to allow for omnichain issuance and efficient bridging.

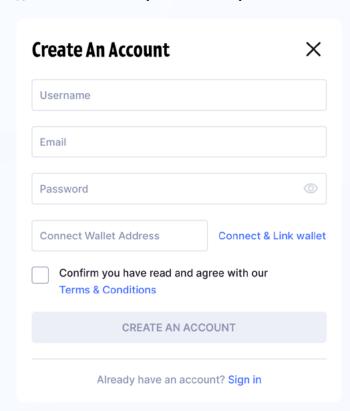
// Fief Launcher (Live in Beta)



For creators who are building their own experiences, we have developed a native launcher to the Fiefverse called the Fief Launcher.

This launcher is currently available in beta for Windows download, where gamers can install and play the core in-world title, Fiefverse Survival. Delivering games or social experiences that require desktop applications is a difficult task in the web3 industry, as end users are inherently distrusting of any downloads. With this in mind, we aim to position the Fief Launcher as a trusted source of game and social experiences.

// Fief Accounts (Live in Beta)

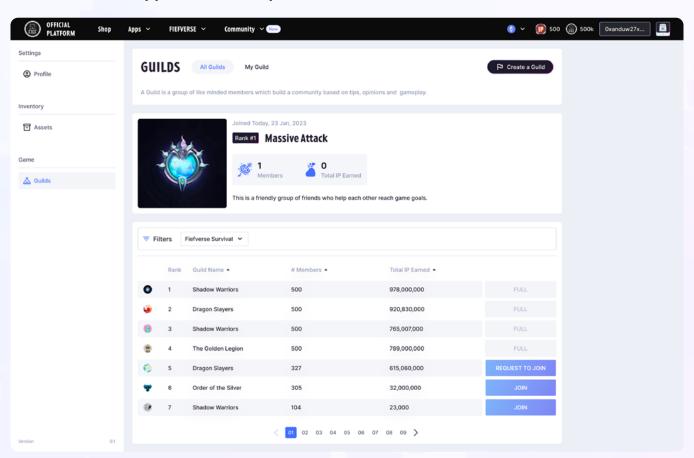


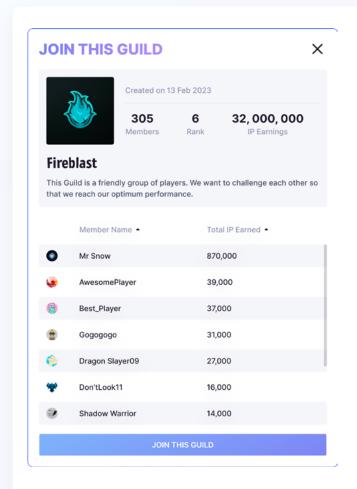
To reduce the painstaking task of managing web3 wallets and user identity, the Fief team has created the Fief account system for both the Fief Protocol and the Fiefverse.

This system links email-based accounts with web3 wallets, where API endpoints unlock a crosstalk between in-game activity and on-chain inventory. This is especially powerful if you are developing a game that rewards players with fungible or non-fungible assets.

A unified chat layer, called **Fief Chat**, is currently in development that will further boost community growth and user interaction on-chain, in the Fief Launcher, and across Fiefverse UGC and game titles.

// Native Guild Support (In Development)





As with web2 games, guilds in web3 games are a critical component of culture, play and ultimately community growth.

With this in mind, the Fief team is bringing native guild support to the Fiefverse where both existing and brand new guilds can congregate, communicate and collaborate to competitively participate in Fiefverse experiences.

The off-chain soft currency Influence Points (IP) are used as a measure of guild progress, as IP will be earnable across all Fief-supported experiences. The better the guild, the more IP they earn and the greater the rewards they unlock.

// Experience Builder (Pre-Development)

The Experience Builder is a no-code builder that allows creators to efficiently develop their own game and social experiences.

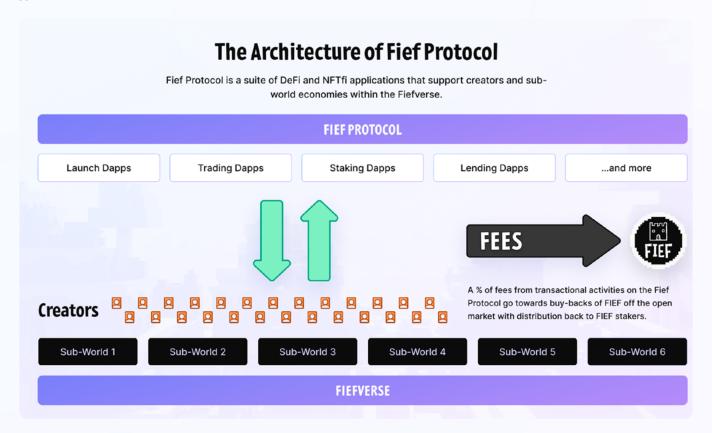
This is in pre-development and is a prerequisite for the release of non-Fief owned sub-worlds to assure coherent design systems.

// AI Tooling (Pre-Development)

Artificial Intelligence (AI) tooling is the future of game and metaverse development. With this in mind, the Fief team is exploring ways to integrate generative AI models into both the VOX and Experience builders.

Al can accelerate design and development timelines while allowing creators to optimize their workstreams. This is especially important when creating assets in the VOX Builder and wanting to optimize for VOX count to reduce the mint cost of an asset.

// Economics



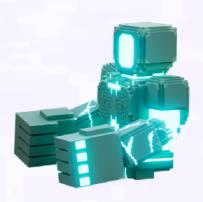
Supporting creators cannot stop at providing tooling, as web3 presents unique challenges that must be addressed head-on.

The Fief team has studied the landscape and it's clear that the extent of economic support infrastructure that the majority of projects provide stops at creator funds combined with basic marketplace infrastructure, with some offering gig economy-era matchmaking between creators and studios.

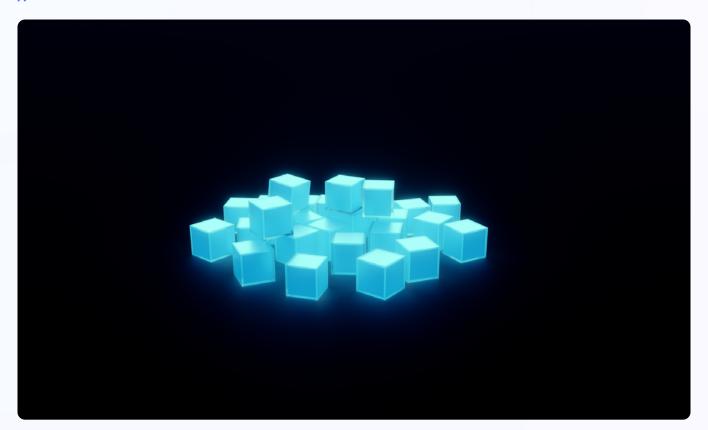
In an open economy fueled by cryptocurrency and other on-chain assets, this is a myopic approach. Making matters worse, creators are simultaneously combating movements to both eliminate secondary market royalties and even remove tokens altogether from NFT gaming.

With the Fiefverse, the attention is on the creators and how they can not only efficiently launch their experiences, but also scale and sustain them.





// Vox Blox



Vox Blox (VOX) are the building blocks of the Fiefverse, providing a unique scarcity dynamic to what is otherwise an infinitely scalable system of sub-worlds and experience generation.

While creating assets within the Fiefverse using VOX has an inherent CapEx associated with it, the very nature of the scarce building blocks provides an abundance of downstream economic incentives for creators.

By requiring each applicable Fiefverse asset to be created using VOX, a bedrock of liquidity is established to build more efficient markets, as the value of any given asset will have a floor at the VOX required to mint it. While this floor value is subject to market volatility associated with free and open trading of VOX, and smaller assets would have a relatively low floor value due to low VOX count, the dynamic provides a real solution to economydestroying asset proliferation problems found across other metaverse projects.

Note: the low-VOX-count-asset-floor problem could be solved via density adjustments to the Vox Blox, allowing creators to add VOX to their assets without impacting the design or rigging. This could be done by creators who themselves are speculating on the value of VOX as a way to increase the value of their secondary market activity.

This model can be seen as a progression on what has been achieved in the Enjin minting app, where creators are able to infuse ENJ into their NFTs to add additional floor value. The Vox Blox system takes it a step further by making NFTs fully composed of the fungible token, resulting in an economic flywheel where the bigger the Fiefverse becomes, the more tangible value is gained by each and every asset.

This gets particularly exciting when you consider liquidity black hole scenarios where VOX demand outpaces available immediate supply ranges as more and more VOX is used in minting. This is fungible token utility in its purest form.

This system also opens the door for a very unique crosstalk between traders, speculators and creators. For instance, given the creation CapEx, a lending protocol could be launched that allows VOX holders to lend their holdings to creators, who would put those VOX to work via asset generation. Then both parties would be able to share in the

proceeds of any sales made using the generated assets without requiring a middle-man, providing a highly unique way for token holders to liquidate their VOX at a premium to its market value.

Additional demand sources could be introduced by way of VOX delegation to seed entire sub-worlds or liquidity pairings on cross NFT-VOX AMMs. The ecosystem of potential economic dapps and products is endless.

// Influence Points (IP)

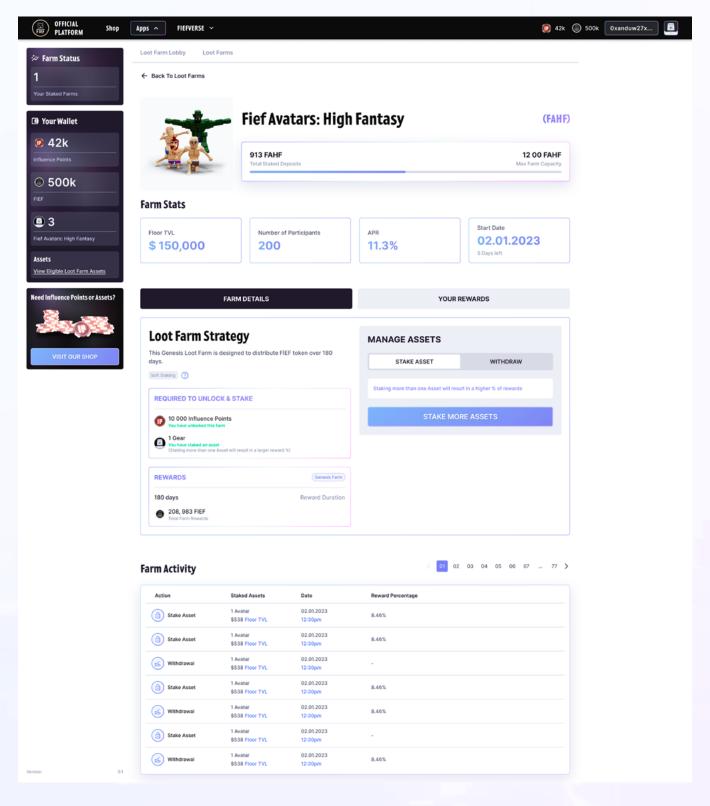


Influence Points (IP) are Fief's off-chain soft currency that works to bridge web2 gaming experiences with the open web3 economy.

IP can be used to purchase off-chain assets associated with core Fief game titles, in addition to being used as a unit of value to unlock dapps within the Fief Protocol.

IP will be made available to the officially supported economies of the Fiefverse as a unified reward layer on top of sub-worlds and creator assets.

// Loot Farms (Ready, Pre-Launch)

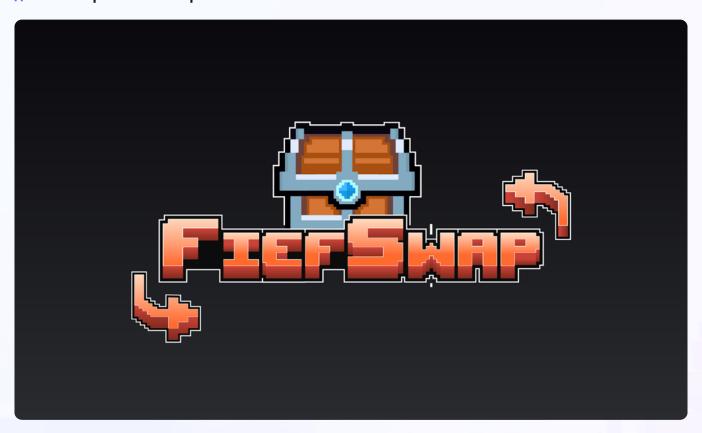


'Loot Farms' is Fief Protocol's flagship staking dapp, allowing users to stake their favorite metaverse assets to earn a host of different types of rewards. Loot Farms are fully customizable, allowing deployers to choose asset type (NFT, Fungible), reward output, gating requirements, timing and more.

Through Loot Farms, select Fiefverse creators are able to stand up their own economies on top of their experiences by rewarding holders of their Fiefverse assets through the distribution of fungible tokens (currency, utility or governance).

Example of fungible token incorporation: As Fief aims to lead by example as but one of many independent builders in the Fiefverse, the team is actively working to incorporate the FIEF token into games that they release. For example, in the upcoming card battler Glarbageddon, players can breed their Glarb NFT creatures by using the FIEF token.

// FiefSwap - In Development



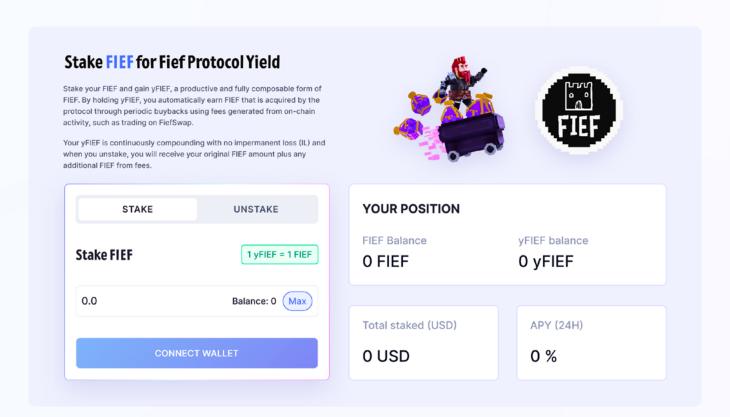
FiefSwap is a next-gen metaverse asset trading platform within the Fief Protocol dapp stack. As the premier trading venue for the Fiefverse, FiefSwap will support both NFT and fungible token trading, allowing for efficient value transfer between creators, sub-world economies and players.

To start, FiefSwap will have the following:

- 1. Traditional NFT auction-style trading
- 2. NFT-NFT swaps
- 3. NFT AMM via novel bonding curve mechanism

FiefSwap will then expand to include fungible token trading, allowing for a switchboard of tokenized value between sub-worlds.

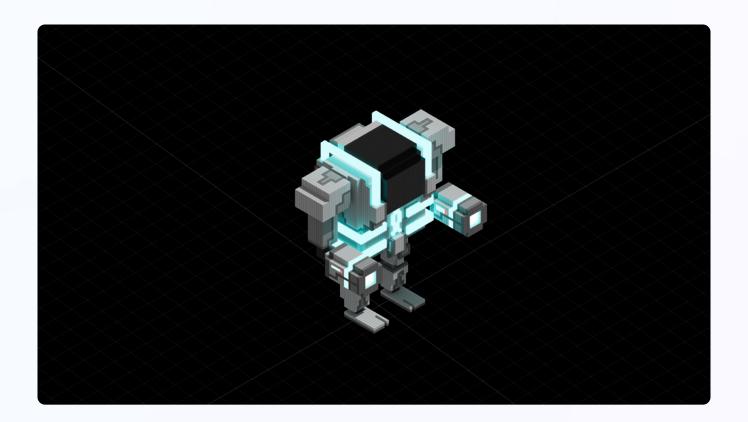
Notably, trading fees generated by FiefSwap will be partially used to fuel staking rewards for the FIEF token via buyback and distributions.



// More Planned

Additional Fief Protocol DeFi and NFTfi dapps are planned, such as asset renting and lending, that will further grow the Fiefverse economy and support creator adoption.





VOX BLOX

Vox Blox (VOX) is the primary building block of the Fiefverse. You can think of VOX as the literal atoms or matter that make up all the tokenized assets in the Fiefverse.

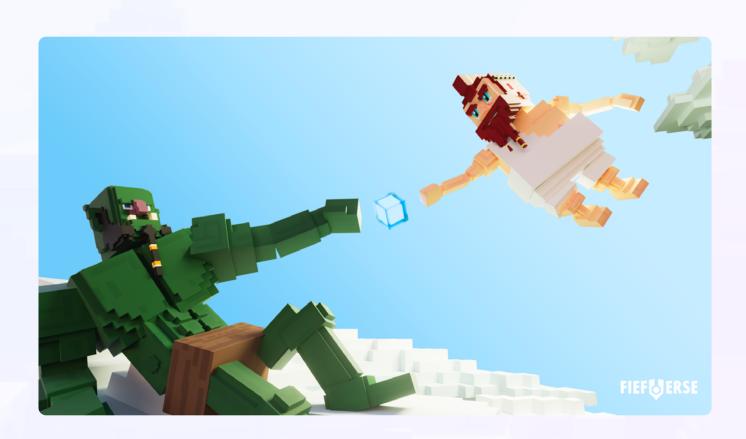
VOX are required for creators to generate NFTbased assets, including props, wearables, weapons, vehicles, and much more. VOX has a max supply of 1 trillion, enough voxels to create assets for hundreds of sub-worlds.

// Technical Framework

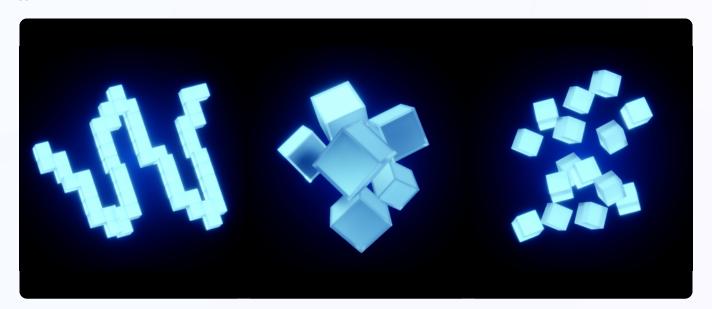
VOX is built on the Omnichain fungible token standard (OFTV2) from LayerZero. This standard allows for VOX to become ubiquitous with utility across any EVM or non-EVM chain. You can read more about LayerZero and OFTV2 in their Official Documentation.

// Tokenomics

Distribution	Description	Supply	Supply %	Lock Schedule
NFT Pre-Sale	Supply allocated to buyers in the whitelisted round of the NFT payload sale	130,000,000,000	13%	4% Unlocked at TGE; Remainder unlocked over 180 days.
NFT Public Sale	Supply allocated to buyers of payload NFTs in public sale	300,000,000,000	30%	4% Unlocked at TGE; Remainder unlocked over 180 days.
IDO (TGE)	Supply distributed through the public listing on major DEXes	120,000,000,000	12%	Immediately unlocked
Liquidity Pools	Supply provided to Fief team to lock into liquidity on DEXes or CEXes	50,000,000,000	5%	Immediately unlocked
Loot Farm Rewards	Supply available to earn as rewards over time in Loot Farms (mainly FIEF- ETH LP Farms)	100,000,000,000	10%	48 month linear
Liquidity Farming Rewards	LP rewards to incentivize liquidity across all supported DEXes	250,000,000,000	25%	48 month linear
Creator Grants	Ad Hoc supply used by Fief team to incentivize builders in the Fiefverse	50,000,000,000	5%	Immediately unlocked
	TOTAL	1,000,000,000,000		



// Blox Art NFT Sale



The initial payload of VOX will be distributed through generative art NFTs called "Blox" that will be purchasable on Ethereum (ETH) mainnet.

The initial sale will occur through 10 pre-rounds and a public round. This will feed into an initial launch offering on major DEXes simultaneously.

Whitelists are broken down into three tiers: High Priority, Priority, and Regular. Users may purchase any amount available of VOX within the given round, as long as supply is available. High Priority whitelisters can also participate in Priority and Regular whitelist rounds, while Priority whitelisters can also participate in the Regular whitelist round.

Purchasers within the NFT rounds will be able to mint their VOX NFTs upon the conclusion of the IDO round on Ethereum mainnet. Each VOX NFT will carry metadata that is inscribed with the amount of VOX payload the NFT carries.

This payload can be claimed across any supported chain. Once fully claimed, the Blox NFTs will live on as a collectible artwork on the Ethereum mainnet.

Round	Whitelist Tier	Supply	Implied VOX Price (USD)
1	High Priority	13,000,000,000	0.000007692307692
2	High Priority	13,000,000,000	0.000007884615385
3	High Priority	13,000,000,000	0.000008081730769
4	Priority	13,000,000,000	0.000008283774038
5	Priority	13,000,000,000	0.000008490868389

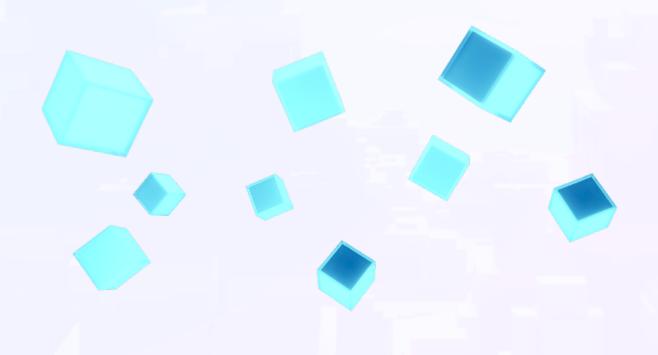
Round	Whitelist Tier	Supply	Implied VOX Price (USD)
6	Priority	13,000,000,000	0.000008703140099
7	Regular	13,000,000,000	0.000008920718602
8	Regular	13,000,000,000	0.000009143736567
9	Regular	13,000,000,000	0.000009372329981
10	Regular	13,000,000,000	0.00000960663823
Public	NFT	300,000,000,000	0.00001056730205
Public	IDO	120,000,000,000	0.00001162403226

// Blox NFT - VOX Vesting

To uphold VOX's decentralized liquidity pools and maintain a strong economic system for creators, the VOX distribution associated with pre-sale and public Blox NFTs will be subject to a 180 day vesting period with 6 monthly unlock periods following an upfront 4% TGE unlock.

This is an inherent trade-off for the discounts associated with receiving VOX via the Blox NFTs.

Given that the metadata of each Blox NFT is inscribed with its current VOX payload, secondary market activity may ensue on Ethereum mainnet according to the available VOX in each Blox NFT. This provides a highly dynamic liquidity option for Blox NFT holders while they await the full vesting period.





TEAM

The Fief team is a largely pseudonymous group of creatives and engineers who are collectively inspired to build a better metaverse.

Key Team Members:



<u>Longshanks</u> - Co-founder and head of product



<u>Galahad</u> - Co-founder and head of operations



Saito - Head of engineering



Lancelot - Head of smart contract engineering



<u>Marvin</u> - Creative head of the Fiefverse and artwork



Raiden - Head of UI/UX

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Vox Blox ("Vox Blox", "the Token") is a utility token and is not intended to be a digital currency, security, commodity, or any kind of financial instrument. It has not been registered under the Securities Act, the securities laws of any state of the United States or the securities laws of any other country, including the securities laws of any jurisdiction in which a potential token holder is a resident.

No regulatory authority has examined or approved any of the information set out in this whitepaper. No such action has been or will be taken under the laws, regulatory requirements, or rules of any jurisdiction. The publication, distribution or dissemination of this whitepaper does not imply that applicable laws, regulatory requirements, or rules have been complied with.

Participation in the Fiefverse ecosystem carries substantial risk and may involve special risks that could lead to a loss of all or a substantial portion of your contribution. Please ensure you fully understand the risks involved and take advice from your own independent professional advisors.

The Vox Blox tokens are intended to be used within the Fiefverse as a medium of exchange for crafting voxel assets only and Vox Blox does not represent an investment of any sort.

Vox Blox, its distributors, and team are not and will not be responsible for any loss of Vox Blox tokens, inability to use Vox Blox tokens, or any other losses in relation thereto, whether indirect, incidental, special, or consequential. This includes any losses arising out of or in connection with the acceptance or reliance on this whitepaper or any part thereof by the user.

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