Film.io Black Paper

Liberate Creators. Empower Fans.™

Patents:
1. US 17/553124
2. US 16/386097
3. US 17/670335
4. US 11102255

film.io

Contents

Abstract

Film.io is the world's decentralized filmmaking ecosystem placing Hollywood decision-making onto the blockchain and into the hands of creators and fans. Governed by the world's first filmmaking industry DAO, Film.io liberates film, TV, and NFT creators and replaces centralized power with transparency and inclusivity by handing over the governance of Hollywood to fans.

Film.io leverages a dual token model providing value and functionality to tokenize the global filmmaking industry. FAN Tokens are the governance and platform token, used to join and participate in the DAO as well as other platform activities. FILM Tokens will be used to back projects through crowdfunding, DeFi loans, and NFT campaigns, among other Film.io funding options. Creators and fans work together in a free, transparent environment to validate, develop, fund and distribute their favorite content.

The Global Creativity Foundation Mission

Film.io is part of The Global Creativity Foundation, an ownerless, charitable organization that supports the democratization of the filmmaking industry by:

- Empowering fans to greenlight the entertainment they want to see, govern the Film.io ecosystem, and have an active voice in the new filmmaking industry

- Liberating creators with access to an inclusive, success-oriented environment where their work is supported by fans and validated through meaningful data

- Equipping investors with better and more predictive data

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The Foundation provides a structure that helps ensure the Film.io project operates in a fair and inclusive way and is not subject to the same centralized powers that have controlled the filmmaking industry for the last 100+ years.

The Film.io DAO

To bring inclusion, diversity, equity and equality to the entertainment industry, the Film.io DAO is redefining how movies and television series get made in an open global entertainment marketplace. On the Film.io platform, every movie and television project is a DAO proposal where fans show their support by staking FAN governance tokens to a project, sharing the project across the social media world, rating and reviewing projects and interacting with projects in numerous other ways. Projects must pass through Film.io's proprietary DAO consensus mechanism called "Proof of Adoption". The Proof of Adoption protocol measures a project's support and adoption rate from DAO members through FAN Token stakes and must hit a certain threshold in order for the project proposal to be adopted and gain access to the Go Score™, which is an incentivized journey through the various stages of production, development and ultimately distribution.

The Film.io DAO is available to anyone, anywhere with a computer and internet access, and recognizes a tremendous potential to unite us all. Films and television should not come from only one major geographical location but from any place where we can all share in our humanity through storytelling. All of the world's creative voices should be heard.

The Film.io DAO will facilitate member growth, business adoption, and the expansion of decentralized finance to better serve the entertainment community. The FAN Token will be utilized in a responsible manner to adhere to core principles that best support the interests of the global community.

https://film.io/constitution/

Ingredient X

Ingredient X and its team are the original creative force behind the Film.io technology. As Film.io launches into the world as a decentralized ecosystem, Ingredient X will continue to provide Film.io with software and support services while it utilizes the platform as an industry participant studio to continue creating great content, including films, TV series, NFT projects and more.

Introduction

The Evolution of Entertainment

Today's Centralized Filmmaking Ecosystem Isn't Working

Many creators have limited or no access to fans, fan data, and the funding necessary to make their projects successful. Fans are little more than spectators in the movie-making process, only called upon when it's time to pay for and view content. Investors (including streaming networks and studios) are provided with little or no meaningful data about the probability of a film's success before putting capital at risk. Film.io is giving creators, fans, and investors better options.

Film.io is the transformation and re-architecture of today's Hollywood onto the blockchain.

At Film.io, filmmakers craft their stories in collaboration with fans who love and support them, having free access to a platform where fans possess the power to validate, greenlight and fund the entertainment they want to watch. In this new, decentralized ecosystem, gone is the centralized power architecture of the big, controlling studios made up of only a small group of people who make all of the decisions and reap the rewards. Instead, fans, investors and creators work together in a free, unbiased environment to validate, fund, develop and distribute their favorite content. Film financiers and studios benefit too by gaining access to films with pre-developed audiences and a never-before-available dataset to help de-risk greenlight and investment decisions.

Film.io is that dream realized—the transformation and re-architecture of today's filmmaking ecosystem onto the blockchain. Using fundamental Web3 functionality, including DLT, DeFi, and NFTs, combined with artificial intelligence (AI), Film.io has designed a filmmaking ecosystem that is decentralized, inclusive, transparent, consensus-based and efficient.

By employing tokenization, a capability enabled by blockchain technology, Film.io can reward actions that support creators and contribute to a thriving entertainment ecosystem. Using a dual token model, FAN Tokens are used for governance, and earned for staking to support film and television projects, as well as other actions on the platform, while FILM Tokens generate staking rewards and benefits for providing DeFi loans and other forms of financing to creators' projects.

A Better Way

A Decentralized, Inclusive Entertainment Ecosystem:
The Film.io Decentralized Platform (FDP)

A Cutting Edge Platform. Film.io is a Web 3 blockchain platform for the entertainment industry. Utilizing blockchain architecture, DeFi, CeFi, NFT and AI, the Film.io Decentralized Platform (FDP) provides an exciting opportunity for fans, investors and creators to interact directly with one another. This peer-to-peer relationship will remove the opaque financial practices and biases of an elite and centralized, non-consensus-driven creative and development environment that keeps fans as mere spectators, provides little or no transparency for investing, and prevents creators from easily obtaining the resources they need to be successful.

Powerful Protocols. The Film.io internal protocol interacts within the FDP, facilitating key transactions among internal stakeholders utilizing smart contracts to incentivize fans, inform investors and support creators. The protocol allows the FDP to integrate and interact with stakeholders including studios, production companies, networks, funds, investors and brands, all facilitated via an innovative user interface and APIs.

The Tokens. Our dual token model facilitates decentralized governance and financial functions through two different tokens in an effort to achieve global compliance, reward participation and facilitate effective NFT, CeFi and DeFi funding options in a community-driven ecosystem. Ownership of the FAN Token governs DAO (Decentralized Autonomous Organization) decisions and rewards DAO members for their role in the Proof of Adoption protocol as well as behaviors that are beneficial to the sustainability of the entire ecosystem. As such, Film.io is able to create a self-sustaining environment wherein fans support films they believe in, great ideas get made into films, and those projects earning high fan scores are discovered, funded and licensed or distributed. FILM Tokens will generate staking rewards and other benefits for providing DeFi loans and other forms of financing to creators' projects. Film.io's innovative use of NFTs allows for funding and merchandising opportunities with tailored tools for NFT minting that are specific to the film industry.

An Industry's Tools Reinvented. The dream to revolutionize an industry wouldn't be complete without the tools necessary to make it a reality. Film.io gives creators and makers a way to showcase promotional assets to attract fans and potential new members to their team as well as manage their project through the development process. A multitude of other tools are facilitated through the FDP, or are planned for development (see our Roadmap later in this document), which provide key functionality to allow the entertainment industry to be reimagined through the lens of inclusion, transparency and immutability.

Film.io Movie Database. Embedded within the Film.io Decentralized Platform is Film.io's Decentralized Movie Database (FMDB), an inclusive, open directory of films, TV shows, actors and other creative roles, that blends the world's existing library of creative works and their creators with newly submitted projects, that lives on the Film.io blockchain. Combining old and new projects into a useful and engaging user experience enables a thriving entertainment ecosystem where fans can interact with their favorite creators in a decentralized environment devoid of the biases of old-world centralized counterparts, with rewards for every participant. FMDB intends to be the most powerful decentralized database for the film industry.

Timely Arrival of a New Experience. The world has fundamentally changed over the past several years, with a high concentration of this metamorphosis occurring in just the past 24 months. Upheavals in societal structures have challenged and redefined norms. All of this accelerates the need for and value of a cohesive, decentralized entertainment ecosystem. We bring you Film.io:

Validate
Fans validate, fund, promote and enjoy projects, earning FAN Tokens in the process.

Interact
Fans, investors and creators interact directly.

Fund
Creators gain access to funding and other resources they need to succeed.

Distribute
Production companies, studios, networks and investors to discover and license great content.

Film.io intends to expand its services to enable projects to conduct equity crowdfunding campaigns via licensed and fully compliant partners in jurisdictions where all applicable laws and regulations are followed.

Film.io Decentralized Platform

(FDP)

Onboarding Projects

Film.io has a growing set of partnerships with filmmakers, production companies and other rights holders to continue onboarding film and TV projects to the platform. The project life cycle begins when a creator or rights holder completes the project's profile on the FDP. As a project is onboarded, the creator is prompted to upload assets to the project dashboard, such as the main image, logline, story summary, movie poster, and so forth. Additionally, the creator can designate their cast, crew, and collaborators under the "Team" tab.

At first, projects must meet the minimum project requirements, including uploading certain assets and staking a number of FAN Tokens, before being published by the Creator, enabling their DAO Project Proposal in the Film.io ecosystem. When these requirements are met, the Creator can publish their project live within the ecosystem. The project will then be available for fans to stake to, exercising their DAO vote. The goal for projects is to gain support from fans and to increase the popularity of their project within the ecosystem.

Fan-related activities contribute, in part, to a project's Go Score™. Graphically represented on the project page, the Go Score is a series of milestones that track the project's progress from Vault Lock (Proof of Originality) to Proof of Adoption, through Development and Funding, up to and including Distribution.

Film.io supports creators with:

- Validation through fan-fueled staking (voting), project ratings and reviews
- Audience development and communication
- Tools for funding using CeFi (Equity Crowdfunding), Reward Crowdfunding and DeFi loans
- Funding and merchandising via NFTs
- Promotional tools
- Assistance with development tasks through community contests
- Matchmaking for funding, licensing and distribution

Film.io may also support some of the top-rated projects through key resources, recognition, and promotion. Once the appropriate milestones are complete, a project may opt to be publicly listed on the platform. After a project is public on the FDP, fans vote on the project's worthiness, for which they earn reputation and rewards.

Promotional Material

Every creator needs visual materials to build fans and attract financing. Examples of these materials include posters, concept art, a pitch deck, and teaser footage. Film.io has architected exclusive tools and resources that will give creators the ability to build and acquire these vital materials. Creators can commission other skilled creators directly from the platform, which leads to cross fanbase promotion and the strengthening of the token economy. Materials are used not only to attract additional fans, but potential buyers, production companies, and financiers by aiding them in their consideration to invest.

Creator Sponsored Contests
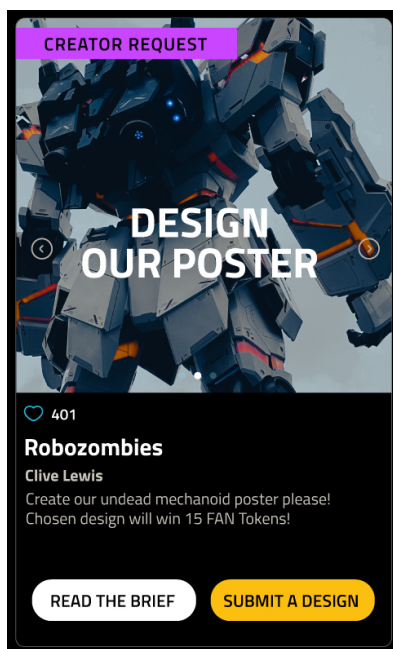
Creators can post "requests" — offers or contests that reward fans in FAN Tokens for their participation. To launch a poster contest for their project, for example, the creator fills out a brief on their project page giving detailed requirements for the job and sets the FAN Token reward for the winning submission. Fans then compete on the FDP to receive payment in FAN for winning the competition. Fans vote to determine the winner and earn additional FAN for casting their vote, though the creator makes the final decision. Additionally, a creator can post a request for scriptwriting, character design, lookbook creation, posting a video on social media, and other supportive actions.

Go Score™

This first-of-its-kind metric in entertainment and film finance is the driving force behind the Film. io project path. The Go Score represents aggregate totals from fan involvements with token stakes, project reviews, project shares and a host of other in-platform gamified engagements that are engineered to better predict a project's success long before production costs are incurred.

Never in the history of entertainment has a comprehensive metric been available that not only supports filmmakers, financiers and other industry players with key data but also invites the fan community to select the best projects. Gone are the days of guessing if a project will resonate with the public. The Go Score aims to remove that uncertainty by elevating projects with the highest probability of success.
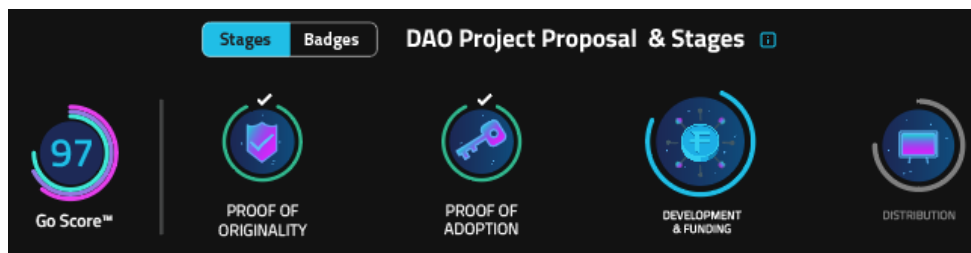
How Does It Work?

The Go Score is a multi-stage process, consisting of independent stages, each with its own requirements and rewards-based badges that can be earned along the way. Progress can be made across all stages in parallel, however, previous stages must be unlocked in order for the following stage's badges and rewards to be awarded. Through the coordination and support of filmmakers, fans and financiers, each stage brings a project closer to success.
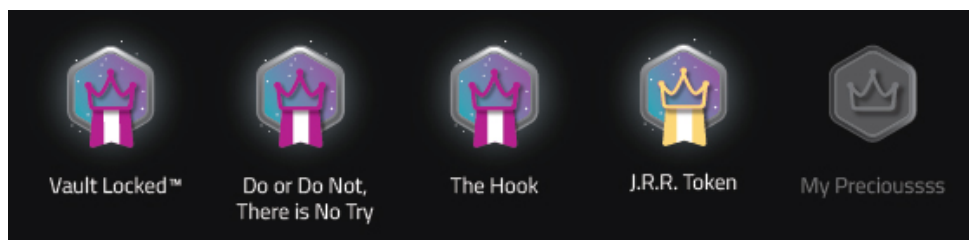
Stages are separated into two distinct but related phases, DAO Project Proposal and the Go Score Journey. The DAO Project proposal stages consist of "Proof of Originality" and "Proof of Adoption" and are the prerequisites for a project being approved by the DAO and graduating into the Go Score Journey. Upon a project being adopted by the DAO, the rewards module is activated and staked-token rewards are able to be claimed as well as additional progress-based rewards. The Go Score Journey consists of the following stages: Development & Funding, and Distribution which are explained in more depth below.

Phase: DAO Project Proposal
- Stage: Proof of Originality
- Stage: Proof of Adoption

Phase: Go Score Journey
- Stage: Development and Funding
- Stage: Distribution

See **Appendix C: Go Score Formula** for the current iteration of the Go Score algorithm. This algorithm is subject to evolution over time, including the addition of Artificial Intelligence.

Phase: DAO Project Proposal

The DAO Project proposal phase is made up of two supporting stages, "Proof of Originality" (VaultLock™) and "Proof of Adoption" and are specific to building out the project, publishing it live on the platform and gaining DAO member support through FAN token stakes.

Stage: Proof of Originality

Proof of originality is the first stage of the DAO Project Proposal phase and is specific to a project being created, built out, and published live in the platform. In order for a project to be eligible to go live, it must first fulfill certain prerequisites, such as project name, genre(s), hero image, poster image, completed logline, lookbook, and the beginning of their project story section, and the requisite number of FAN Tokens must be staked. The community can get involved at the creator's request to assist with any creative items that are needed.

Badges

- **Vault Locked™:** A badge issued to projects that become published on Film.io, once they have been committed to the Film.io blockchain for Proof of Originality.
- **Do or Do Not, There is No Try:** Add a hero image, poster, logline, and lookbook. The Hook: Build out your project's story section with a compelling vision that captures and hooks your audience.

Stage: Proof Of Adoption

Proof of Adoption is Film.io's proprietary fan consensus protocol that uses FAN (Film.io's governance token) to gauge a project's adoption rate by DAO members. This process involves gaining the support of DAO members in the form of FAN Token stakes (stakes are the DAO members' votes for the Project Proposal) and unique stakers and, upon gaining enough traction and being "adopted," unlocks the Go Score, granting entry into the Go Score journey stages where users will be able to begin claiming FAN Reputation Points.

Badges

- **J.R.R. Token:** Receive X FAN Token stakes to your project.
- **My Preciousss:** Receive Y unique stakes from different FAN Token holders.

Phase: Go Score Journey

Go Score phases are unlocked after a project passes the Proof of Adoption phase and give access to an incentivized and rewards-based distribution path.

Stage: Development and Funding

Development

Once a project is adopted by the DAO, it unlocks the Go Score and grants access into the Development stage, where the rewards and donation modules kick in. Rewards include, among other things, the ability for fans to claim their staking rewards and unlock a variety of features previously locked for creators, including a donation-based funding campaign that is automatically launched and allows for donations to be received in the form of FAN Tokens. In order to progress through the development stage, the project will need to receive a certain amount of social and community activity that includes various levels of the following: ratings/reviews, donations, social shares, follows, additional token stakes and other platform activities.

Badges

- **You Love Me! You Really Love Me!:** Receive X project reviews.

- **Take A Picture, It'll Last Longer:** Receive Y project views.
- **Sharing is Caring:** Receive Z project shares to social.
- **Vampires Beware:** Receive X FAN Tokens staked by Y unique stakers.
- **Get Pitch Slapped:** Add a pitch video to explain your vision and help your project shine.
- **Social Butterfly:** Start X conversations with your community.

Funding

When a project receives enough social and community activity, the funding stage is unlocked and, provided the platform has released these features already, the creator gains access to our suite of funding tools, such as NFTs (minting contracts and generative art design tools), CeFi (crowdfunding campaigns), and DeFi (crowdloans and the chance to earn seed funding from the Global Creativity Pool based on the Go Score).

Badges

Show Me The Money!: Raise a round that meets your minimum funding goal.

DeFi Order: Get a loan through our Decentralized Finance (DeFi) system.

Nifty!: Generate funding or revenue through an NFT campaign.
Center of the Universe: Raise funds through a crowdfunding campaign.

Stage: Distribution

At this point, congratulations are in order! You have built an audience of loyal fans and completed a successful funding or revenue round. So now what? Well, not to worry, we've got your back! When a project reaches the Distribution stage, the Film.io matchmaking system will be there to help you with production, licensing and distribution.

Badges

- **Young Grasshopper:** Get introduced by our matchmaking system.
- **Content is King:** Strike a deal with a licensor (streamers, studios and more), or find a production partner.

Personas & Roles

To understand the Film.io journey, it's important to define the personas and roles that live within the FDP.

Fan

A fan is anyone who loves entertainment. The FDP elevates fans from bystanders to active participants. Fans have a say in what entertainment gets created. In the Film.io Decentralized Platform, fans can advocate for the projects they love and become social influencers by staking FAN Tokens, helping creators unlock their project's Go Score, and earning additional FAN Tokens in the process. Fans can rate and review projects, purchase NFTs, donate to and invest in projects, and more.

Creator

The FDP delivers a place where creators can share their projects, build a motivated and collaborative fanbase, connect with other industry professionals, raise funding in a variety of innovative ways, and be discovered by companies that acquire content.

Investor

The FDP provides an ecosystem where investors (high net worth individuals, fans who qualify for certain types of offerings, film funds, studios, etc.) can follow projects, invest in them and connect with creators to discuss investment possibilities. The compelling combination of the Go Score, fan ratings and audience size create a state-of-project pre-validation which is a strong indicator of the project's potential for success, and a valuable tool for investors. The FDP effectively serves as a marketplace and validation platform for promising projects where investors can shop for and invest in great projects.

Licensee/Purchaser

A published project on the FDP has the ability to offer itself for licensing or sale to third parties. Studios, production companies, distribution companies, funds and networks are able to leverage the FDP to review and select projects for their slate.

A Gamified Experience

Participate-2-Earn

The Film.io platform provides a gamified ecosystem wherein fans not only earn more FAN tokens for staking, reviewing, sharing, and donating to projects, but they will also earn badges, reputation and DAO Membership Tiers that result in greater influence as a direct result of participating and being an active and valuable member of the Film.io DAO. Additionally, fans with higher reputation will qualify for increased rewards and early opportunities like NFT drops, preferred access to funding opportunities, etc.

Reputation & DAO Membership Tiers

Reputation is earned by participating within the platform and is the sign of a DAO Member's status and influence over the platform's evolution. Earning reputation gains levels and progresses users through the DAO Membership Tiers, each of which awards greater status and influence, and provides access to the DAO marketplace, which will unlock additional items depending on the Membership Tier that the user belongs to.

DAO Membership Tiers

Level 1
- Members start at Level 1 and are not yet assigned a DAO Tier.
- Connect/setup your non-custodial wallet advances to Level 2
- Users gain levels and advance to higher DAO membership tiers by earning more reputation.

Novice: Levels 2 through 9
- Novice avatar border can be configured on your Film.io avatar
- Governance multiplier: +0%
- Marketplace access: Common items

Enthusiast: Levels 10 through 19
- Enthusiast avatar border can be configured on your Film.io avatar
- Governance multiplier: +10%
- Marketplace access: Uncommon items

Pro: Levels 20 through 29
- Pro avatar border can be configured on your Film.io avatar
- Governance multiplier: +20%

- Marketplace access: Rare items

Master: Levels 30 through 49
- Master avatar border can be configured on your Film.io avatar
- Governance multiplier: +30%
- Marketplace access: Epic items

Guru: Levels 50+
- Guru avatar border can be configured on your Film.io avatar
- Governance multiplier: +50%
- Marketplace rewards access: Legendary items

Badges

Badges are always the result of participation. Badges are associated with different aspects of the platform, such as creating a project and publishing it live, earning a higher Go Score, helping creators progress their project, being an early adopter of a project, setting up your profile, being a valuable and positive member of the community, participating in any of the core functions (staking, reviewing, sharing, and donating), and so much more. Badges are marks of honor that reward reputation, are configurable within the profile page and, in some cases, unlock functionality and opportunities.

Example Badges. Each of these badges can be shown off on the user's profile page and would earn the user additional reputation and, ultimately, influence within the Film.io DAO.

- **Here's Looking at You:** Set a profile picture
- **Where in the World:** Share your country location within your profile
- **Say it Loud:** Leave your first comment
- **Show me the money!:** Claim your staking rewards from an unlocked project
- **More the Merrier:** Invite 10 friends onto the platform

Leaderboards & Prizes

Leaderboards provide users an incentivized way to compete to see who is the most active and impactful user within the platform across a variety of categories. Leaderboards are historical and also segmented by time periods (weekly, monthly, seasonal) to allow for incentivized competitions to be run during specific periods with special and rare rewards for the winners.

Audience Building & Fan Validation

Film.io's Fan Validation Protocol leverages DeFI and staking protocols to incite growth, simultaneously generating support for the creator and gathering a large data sample for use in predicting a project's success before sizeable costs are incurred. In the Film.io ecosystem, fans follow and stake FAN Tokens to the projects they wish to support, earning rewards in additional FAN Tokens known as an FGR (Fan Governance Reward). Staking to a project helps increase the project's Go Score through various milestones that unlock platform functionality for the creator, including increasingly sophisticated funding options and even qualification for seed investment from the Film.io Global Creativity Pool, managed by the FAN DAO. In addition, Film.io's simple 5-star rating system enables users to score films from poor to excellent (earning them FAN Tokens as a reward), creating a simple and well-understood crowd metric that feeds into the Go Score. Fans who submit a 5-star rating also have the ability to comment on the project and open a public dialogue with the creator that the creator can respond to.

FAN Token Geiser: Staking To Support Projects

Benefits of Fan Validation

Building An Audience. Film.io introduces fans to projects via a mutual opt-in algorithmic prediction engine. Prediction engines are used regularly by political campaigns, food and alcohol brands, and clothing brands. Since fans are the true metric for the success of any film or TV project, a system that relies on validation, before funds have been spent, increases its odds of success.

Crowd Prediction Engines

The logic behind Film.io's fan validation protocol is the gathering of a large data sample for use in predicting a project's success before sizeable costs are

incurred. The Film.io prediction engine introduces fans to high-ranking creators based on their own individualized preference maps.

20th Century Fox Study – The Crowd Vets Online. "Millennials and even Gen Xers now vet every single purchase through the internet, whether it's restaurants, video games, make-up, consumer electronics, or movies. As they get older and comprise an even larger share of total moviegoers, this behavior is unlikely to change. 20th Century Fox Study - The Crowd Vets Online[1]."

Reviews are as important as a personal recommendation. The number of online consumers who read and trust online reviews is increasing. According to a survey by BrightLocal, 88 percent of consumers trust online reviews as much as a personal recommendation.[2] The same survey found that only 12 percent of the population did not regularly read reviews for consumer products.

What this means is that not offering user reviews (or ignoring them as a potential marketing opportunity) is akin to alienating 88 percent of your buying population, depriving them of information they want to help them make their buying decisions.[3]

Fan Rating

When a creator sets their project's visibility to "Public" on the FDP, the project is then officially submitted as a DAO Proposal. It is then that the project is publically visible to fans who are invited to stake to the project, affecting their affirmative DAO vote in favor of the project on Film.io. Fan stakes/votes are considered on a rolling basis in the dynamic Go Score process (initially used to determine whether the score itself becomes unlocked), ultimately determining not only the ranking of the project on Film.io but also which features are unlocked for use by the Creator. One of the more important actions that can be taken by fans is their rating of each project. The goal of fan ratings is to tap the crowd for more granular input on multiple factors of each project...Fans can rate a project in one of the following ways:

> 5 Stars: Excellent
> 4 Stars: Above Average
> 3 Stars: Average
> 2 Stars: Below average
> 1 Star: Poor

To reward them for their time and effort, fans earn FAN Tokens for their ratings on each project, and are invited to stake their tokens to projects. Staking allows them to earn more FAN Tokens through a staking reward associated with each project.

Fans give projects scores from 0.0 to 5.0 (with 0.0 (unrated) being the lowest score possible and 5.0 being the maximum score possible) on each data point, and add supporting information to each section. While staking metrics are used by the Go Score algorithm, the 5 star rating system offers a more public-facing display for fans and investors to easily digest the community's sentiment around a project. Fans are also able to leave detailed reviews and submit links and other content related to a project and its creators, all of which contribute to a far more comprehensive evaluation than would be possible in a traditional, decentralized, closed-loop review process. The result is total transparency, as everything contributed by fans is immutably validated on the blockchain.

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1 Source: Independent study commissioned by 20th Century Fox in 2015.
https://www.vanityfair.com/hollywood/2017/06/howhollywood-came-to-fear-and-loathe-rotten-tomatoes
2 Source: https://www.brightlocal.com/research/local-consumer-review-survey/
3
https://www.forbes.com/sites/jaysondemers/2015/12/28/how-important-are-customer-reviews-for-onlinemarketing/#afea50319284

Funding: CeFi, DeFi and NFTs

Fan Demand Drives Investment

With Film.io, there are numerous funding pathways for films. While fan validation and audience building can be valuable in their own right, hitting a creator's funding objectives becomes more palpable with both validation and audience size. Whether a studio is shopping for the next hit, and basing (in part) their decision on early indications of traction, or a film investor is looking to de-risk their next investment into the space, both of these metrics make for a more certain outcome. Likewise, creators that wish to remain independent at this stage of their journey and launch a crowdfunding campaign with one of the numerous campaign types on Film.io are able to press a button and launch their offering to their followers on the platform, invoking their most staunch supporters to take an active role in the project's success. Film.io's algorithms (including AI matchmaking) do the rest, garnering support from the wider audience of fans (including all types of investors) within the ecosystem to participate.

CeFi Meets DeFi

Until DeFi stormed the financial scene over the last couple of years, Centralized Finance was the standard construct for fundraising. The success of reward-based crowdfunding platforms like Indiegogo and Kickstarter have taught the public that they can participate in supporting companies and projects they love with the capital so badly needed to succeed. The JOBS Act (a recent set of US laws) paved the way for equity crowdfunding to scale to impressive numbers, making it easier for small projects (such as indie films) to raise capital while allowing participants to share in the financial upside rather than just receive "perks" for their money. Film.io aspires to incorporate powerful DeFi fundraising protocols and the most popular CeFi regulations (Reg. CF, Reg A/A+, and Reg. D) through partnerships with reputable licensed broker-dealers and intermediaries. Film.io envisions creating user-friendly crowdfunding experiences, along with innovative DeFi funding protocols, to offer a potent set of fundraising tools with the potential for widespread adoption.
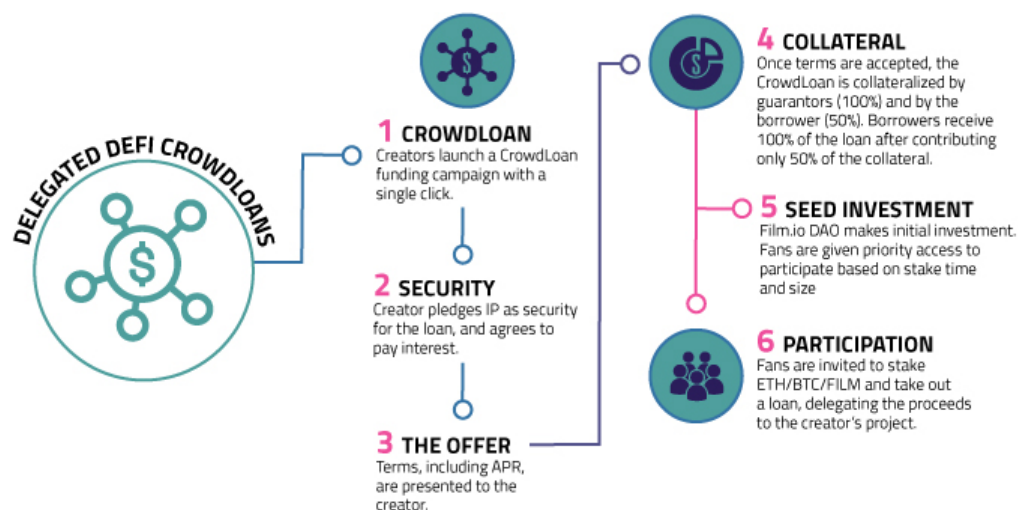
DAO Governed Film.io Global Creativity Pool™

A percentage of the Tokens generated are anticipated to flow into the Film.io Global Creativity Pool which, governed by the Global Creativity Foundation and Film.io DAO, are used to help projects get off the ground with seed investments or project jumpstarts. Seed investments, conducted via Film.io's partnerships, can be used to help prepare for a CeFi or DeFi funding campaign, while jumpstarts are small contributions to a project that help creators scale the initial hurdles that tend to draw boundaries against early momentum. There are numerous ways a project can earn jumpstart funds, including completing their summary information, adding content, inviting new fans to the ecosystem, and achieving other milestones.

Patreon-style DeFi Subscriptions and Donations

Fans can offer simple support to projects through subscription or donation. The Film.io FDP utilizes built-in DeFi protocols to allow fans to grant any amount of tokens to a project every month as a simple show of support. The project's creator can, at their discretion, provide these subscribers with access to varying tiers of perks, such as early access to new content and exclusive content not available to the public. Subscriptions add up with the power of community and help projects to grow on a predictable basis. One-off donations can also be made.

Delegated DeFi Crowdloans

DELEGATED DEFI CROWDLOANS

1 CROWDLOAN
Creators launch a CrowdLoan funding campaign with a single click.

2 SECURITY
Creator pledges IP as security for the loan, and agrees to pay interest.

3 THE OFFER
Terms, including APR, are presented to the creator.

4 COLLATERAL
Once terms are accepted, the CrowdLoan is collateralized by guarantors (100%) and by the borrower (50%). Borrowers receive 100% of the loan after contributing only 50% of the collateral.

5 SEED INVESTMENT
Film.io DAO makes initial investment. Fans are given priority access to participate based on stake time and size

6 PARTICIPATION
Fans are invited to stake ETH/BTC/FILM and take out a loan, delegating the proceeds to the creator's project.

DeFi CrowdLoan Under-Collateralized Loan Structure
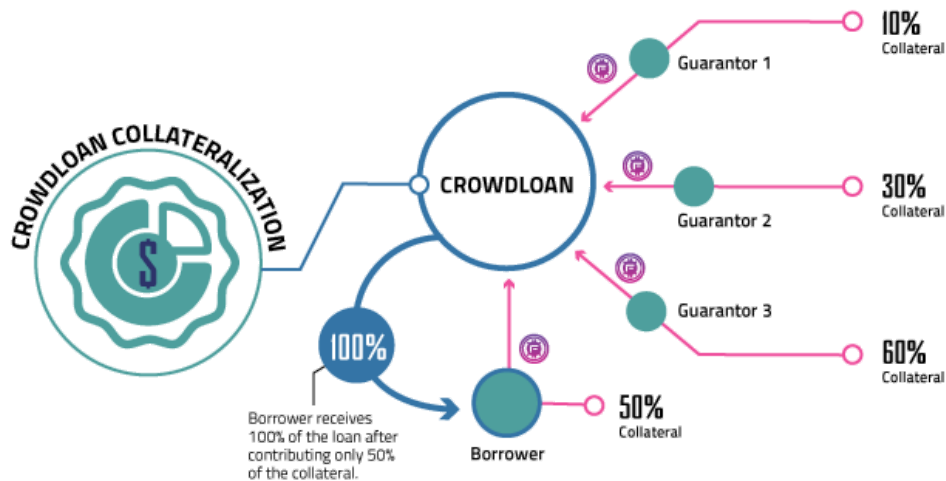
NFT as a Service (NFTaaS)

Film.io will provide an integrated NFT creation service within the platform that provides creators with the ability to select from a set of NFT types (generative art, videos, photos, etc.), up to any quantity, add in certain types of utility, and provide the mint contract. The creator will have an end-to-end solution and will simply need to supply their art, 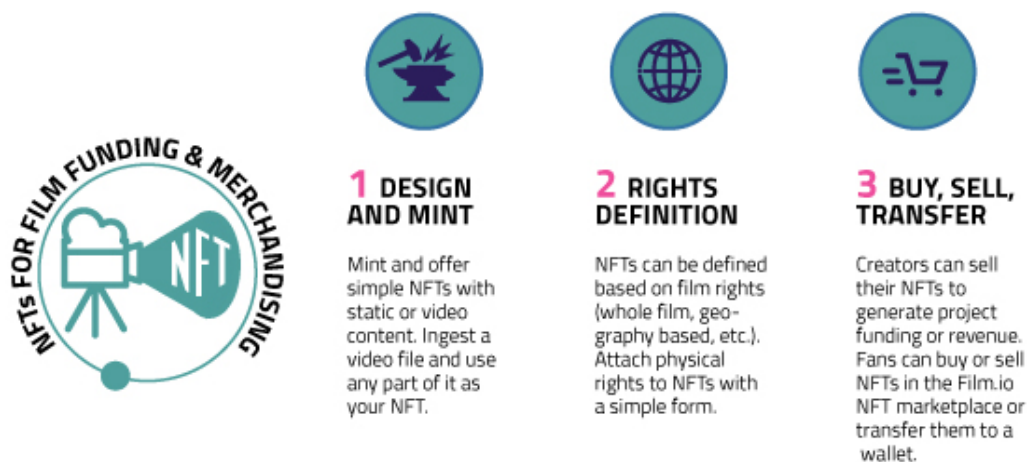define their traits/rarities, and mint. We will provide the ability to embed a "Mint now" button within the platform and even a countdown timer for when the creator is ready to pick a date and time.

1 DESIGN AND MINT

Mint and offer simple NFTs with static or video content. Ingest a video file and use any part of it as your NFT.

2 RIGHTS DEFINITION

NFTs can be defined based on film rights (whole film, geo-graphy based, etc.). Attach physical rights to NFTs with a simple form.

3 BUY, SELL, TRANSFER

Creators can sell their NFTs to generate project funding or revenue. Fans can buy or sell NFTs in the Film.io NFT marketplace or transfer them to a wallet.

- Generative art will provide the ability to own art and traits/rarities, and upload them onto the platform. The mint contract will do the rest.
- Whitelists and public launch: "Mint now" button with a countdown timer option for whenever the creator is ready and has selected a date for the mint.

- Certain types of utility can be added
- Secure and audited mint contracts
- Film.io takes a service fee percentage for providing all of the above.

NFT Marketplace. Film.io will have its own marketplace where these NFTs can be purchased directly within the platform. All NFTs will also be surfaced on the most popular marketplaces, such as Opensea, LooksRare, and others.

Dynamic and Evolving NFTs. NFTs can be customized through earning varying accessories by participating on the platform or acquiring them through treasure chests. These accessories can be applied to the NFTs to increase rarity.
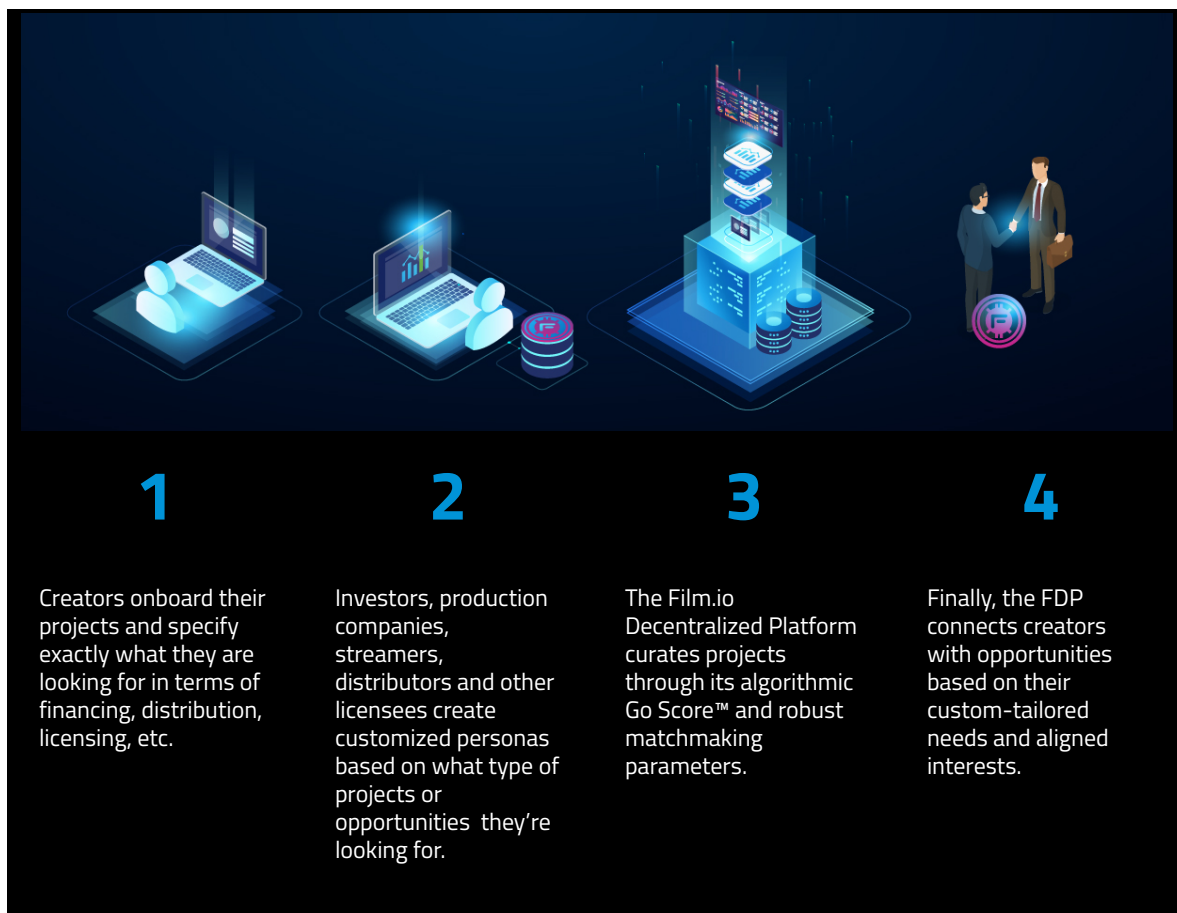
Staking NFTs. Provides higher reputation and may enter the user into time-based lotteries for future whitelists and other opportunities.

Treasure Chests. Owning an NFT will provide time-based treasure chest rewards that can be claimable.

AI Matchmaking Engine

With the explosion of streaming networks (Netflix, Hulu, Disney+, Apple and countless others), there is a corresponding exponential rise in value for assisted introductions between content creators and investors, licensees, distributors and networks. The Film.io Decentralized Platform is designed to provide high visibility pairing between projects looking for development funding, licensing and sale to third-party networks. The Film.io Matchmaking Engine will foster these transactions, taking the tedious work out of finding relevant content for dealmaking.

Matches between content and investors are categorized by type, interests, genre, geo-preferences, maturity preferences and more. Content is then matched against the specified priorities of each investor to create highly individualized models.

1

Creators onboard their projects and specify exactly what they are looking for in terms of financing, distribution, licensing, etc.

2

Investors, production companies, streamers, distributors and other licensees create customized personas based on what type of projects or opportunities they're looking for.

3

The Film.io Decentralized Platform curates projects through its algorithmic Go Score™ and robust matchmaking parameters.

4

Finally, the FDP connects creators with opportunities based on their custom-tailored needs and aligned interests.

How AI Matchmaking Works

Project Profiling. When creators onboard their projects, they complete their project profile with key data that becomes searchable within the Film.io platform. As the project gains traction and activity within the platform, metadata is generated and the AI system (once fully implemented) runs an analysis to determine similarities with other projects (both internally and externally to the platform).

Investment Personas. Film financiers, production companies, studios and other investors create customized personas based on what types of projects they want to invest in, along with their investment history. The matchmaking system AI then constructs a best-fit foundation using Bayesian linear regression to help determine what projects are the most relevant, preferential match.

Aligned Matchmaking. Then the FDP will directly connect creators with opportunities based on their respective profiles and the models formulated by the matchmaking system. In the end, the system becomes a natural extension of the user's own intuitions, and their subsequent actions on the data supplied serve to refine the assumptions and more finely calibrate the models.

Roadmap : The Journey to 2024

&$&3

Creator Onboarding Wizards
Advanced Analytics Implementation
Enhanced Web2 to Web3 Conversion
Enhanced Web3 Onboarding
Gasless Transactions Upgrade
Referral System Enhancements
FIAT to Crypto Onramp
Public Beta Launch
Creator Contest 2

&$&(

Creator AI Tools
Gamified / Enhanced Donations
FMBD (Filmio Movie Database)
Third Party Contest Engine
Direct Messaging Infrastructure Upgrade
Preferred Vendors Integration
Enhanced Creator Engagement Tools

AI/ML Powered Matchmaking
Crowdfunding Features
Gamified Leaderboards
Activation Rewards Calendar
Paid Plans

Launch NFT Studio & Marketplace
Launch flagship NFT project: Fantastic Planets
Flim.io Studio Experience

Launch Filmio Now Distribution Module
Launch DeFi Platform & FILM Token

Technology

Technology

Abstract

The Film.io dApp testnet was developed on the EOS.io platform starting in 2017, however, the mainnet is being built on EVM infrastructure with Solidity and launched on Polygon's Layer 2 solution. This architecture will allow us to scale to millions of users, with little to no latency, implement smart contracts, achieve inter-blockchain communication, and greatly reduce the cost associated with Ethereum — essential to the adoption and growth of our platform.

Protocol

The Film.io Protocol is built on the following novel components.

Blockchain Abstraction Layer (BAL)

Our custom BAL abstracts and secures all communication with our blockchain layer, allowing for the integration of different blockchains into the Film.io ecosystem as the need or opportunity arises, as well as for the painless migration to a completely new blockchain platform that introduces new functionality or advantages in the future with minimal impact to the FDP itself and our user base.

Decentralized Validation Network (DVN)

DVNs aggregate votes and social actions performed by an unlimited number of independent users to provide validation, analytics, promotion and funding of projects to creators. Coordination is decentralized which removes the need for a trusted party since the operation of a DVN is governed by protocols that coordinate and verify actions carried out by individual parties. DVNs can employ different strategies for coordination, including Byzantine Agreement, gossip protocols, or CRDTs, depending on the requirements of the system.

Consensus Layer. Film.io uses smart contracts to maintain a ledger of ownership, authenticity and curation on our platform. Projects (film or TV) exist on the platform as non-fungible digital assets.

Each original project has unique content, an owner or owners, validation data and an entry on our blockchain, called a Vault Lock. Clients connect to the Film.io blockchain to retrieve updates on the state of the smart contracts for any given project, its current validation or curation stage, etc.

Projects are created on our system freely (only requiring a number of FAN, which can be earned during account onboarding, to submit as a project / DAO

proposal), but move through the project lifecycle by utilizing FAN Tokens, our platform-specific utility token, either acquired through our TGE or acquired through reward events within the platform itself.

Proof of Adoption. Integrated with the Film.io DAO and its proposal system, Proof of Adoption is a proprietary fan consensus protocol powered by FAN tokens to ascertain the viability (Acceptance) of a given project within the FDP.

Real-Time Layer. Film.io is a highly social, real-time platform for the creation, curation, production and distribution of compelling content. To support this mission clients will communicate with each other using a combination of peer-to-peer connections, on-chain activity and highly scalable application infrastructure.

This novel combination of technologies allows for a vibrant, scalable experience that embraces the decentralized nature of the blockchain without sacrificing speed, reliability or the stickiness of the user experience.

Identity System. Ownership of a project is one kind of identity system, backed by Film.io Vault Lock technology, where credentials are a user account coupled with a hashed entry for a project on the blockchain. Film.io creates a decentralized identity system by linking cryptographic public keys and signatures with real-world account names.

Reputation System Working hand-in-hand with our identity system, users build reputation within the system by performing various actions, both on-chain and off-chain, in the form of Reputation Points. These points can be used to influence the success of a project within the FDP as well as used to determine weighting when votes are taken within the Film.io DAO.

The Film.io Decentralized Platform
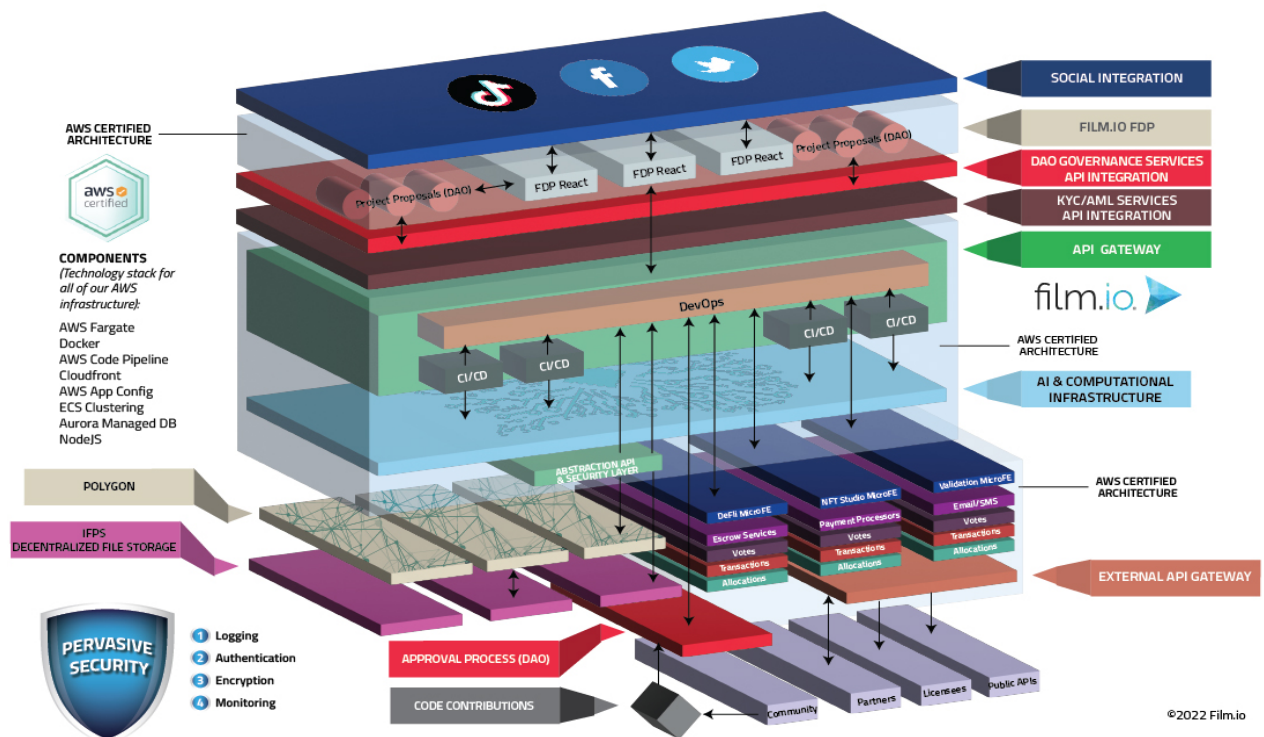
Built on EVM with Polygon Layer 2. The Film.io Decentralized Platform (FDP) is a blockchain-powered ecosystem built on EVM (using Polygon's Layer 2 protocol for speed and cost) designed specifically for the entertainment vertical. The FDP empowers fans and creators to produce world-class content through consensus, transparency and decentralization.

Film.io's architecture utilizes three main areas or Pillars to power our protocol

Services Architecture. The first Pillar is our serverless architecture powered by AWS technologies like AWS Fargate, AWS CodePipeline, Cloudfront and Docker, to name a few, our system architecture allows for a responsive, secure, infinitely scalable platform that ensures the best possible experience for our users, both those who create content (creators) and those who consume content (fans). The FIlm.io platform is AWS Certified.

Pervasive security is baked into our architecture at every level, from logging and tracing for forensic investigations of behavior the system deems suspect, to employing a layered approach to cyber security, security is a foundational part of our methodology as a technology company.

This architecture also powers and secures our proprietary AI and machine learning systems, which will evolve into an incredibly powerful predictive intelligence and analytics tool as our content and user base grow. These systems are designed to easily integrate disparate data sources into a data lake that will be quantified, modeled and visualized.

Micro Front-End Architecture. Coupled with this robust infrastructure is the second Pillar, our proprietary Micro-Front End Architecture.

Powered by REACT and Nodejs, both industry standards, this custom architecture allows for flexibility, vertical and horizontal scalability, and go-to-market speed for new and novel features. By eschewing the older model of a single monolithic architecture, our novel front-end architecture allows for fast, secure and seamless communication between the front end and back end across internal APIs (such as REST) as well as external APIs as the need arises, allowing for a flexible ever-evolving experience. Additionally, by employing a federated architecture we are able to work on features, push critical bug fixes and updates in an independent manner.

These frameworks were designed in tandem to maximize the efficiency and cohesiveness of the Film.io experience and to ensure that our users are provided a world-class, fully integrated ecosystem.

DLT - EVM and Polygon. The third Pillar is our ledger, an EVM compatible blockchain powered by Polygon. By leveraging the scalability of this widely respected L2 provider with the reach, respect and recognizability of Ethereum, we can deliver the experience our users demand, from our powerful and user-friendly Film.io NFT Studio to the Go Score our proprietary mechanism for determining the viability of a project's success.

Combining these three Pillars into a cohesive whole, we are able to power our patent pending innovations listed throughout this document, as well as to realize our overarching mission, enable the formation of the Film.io DAO which will direct the future of the platform, and help build a diverse community of people passionate about content and the blockchain.

IP Protection

A primary benefit to creators is the immutability of the blockchain.

Worries about IP protections and plagiarism naturally concern creators and screenwriters, especially on a platform that makes their ideas public. Film.io has designed a process whereby ideas (and perhaps more importantly, their execution) are internally time-stamped and "vault-locked" on the FDP.

Film.io VaultLock™ (Proof of Originality)

When a new project is added onto the Film.io platform, it is automatically added to the blockchain, wherein it receives a Proof of Originality timestamp, thereby creating an immutable registration for time-stamping originality with ownership. The Film.io platform automatically appends to the project a visible QR code linked to the relevant Proof of Originality block on the blockchain viewed in a block explorer.

The encryption key "vault-locks" the idea by time tracking its subsequent execution. This transparent security is unprecedented in the filmmaking world. The Film.io Vault Lock™[1] provides for free to a creator a non-modifiable record of such creator's ideas. All ideas—including records of impartial, third-party dispute mediations—are attached to their appropriate entities in a distributed database of transparent, immutable and public records.[2]

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1 See Vault Lock™ Provisional Patent Filing in Appendix C.

2 Film.io does NOT guarantee any degree of ownership or IP protection. The Vault Lock does not guarantee the legal status of the relevant IP. Each creator must independently consult legal counsel to ensure full IP protection. The Vault Lock provides data validation functions only to support a creator's IP applications.

Tokenomics

The Dual Token Model

Overview

Film.io employs an innovative FAN and FILM dual token model providing maximum compliance, value and functionality to tokenize the filmmaking world. Both tokens are ERC20 and function cross-chain Ethereum/Polygon.

FAN TOKENS (Symbol "FAN")

Governance & Platform Token

FAN is the governance and platform token that powers the Film.io platform. FAN is a utility token used to hand control of the filmmaking industry to the fans and creators of the world. FAN is used to vote on DAO proposals, including projects and governance, staking, whitelist access to early/exclusive NFT drops and more. The voting algorithm is designed to achieve fairness and looks at not only total FAN HODLed, but also the user's reputation and other factors to determine the weight of a vote.

FILM TOKENS (Symbol "FILM")

DeFi & Staking Token

FILM is the DeFi and funding token that will facilitate certain financial features of Film.io. FILM will be used to fund projects through the ecosystem's funding protocols. In the DeFi protocol design, FILM can be deposited as collateral for delegated crowdloans, generate loan guarantor fees, entry and exit fees, and staking/farming rewards. FILM HODLers gain whitelist access to NFT drops, priority access and preferred valuations on project funding campaigns, and more.
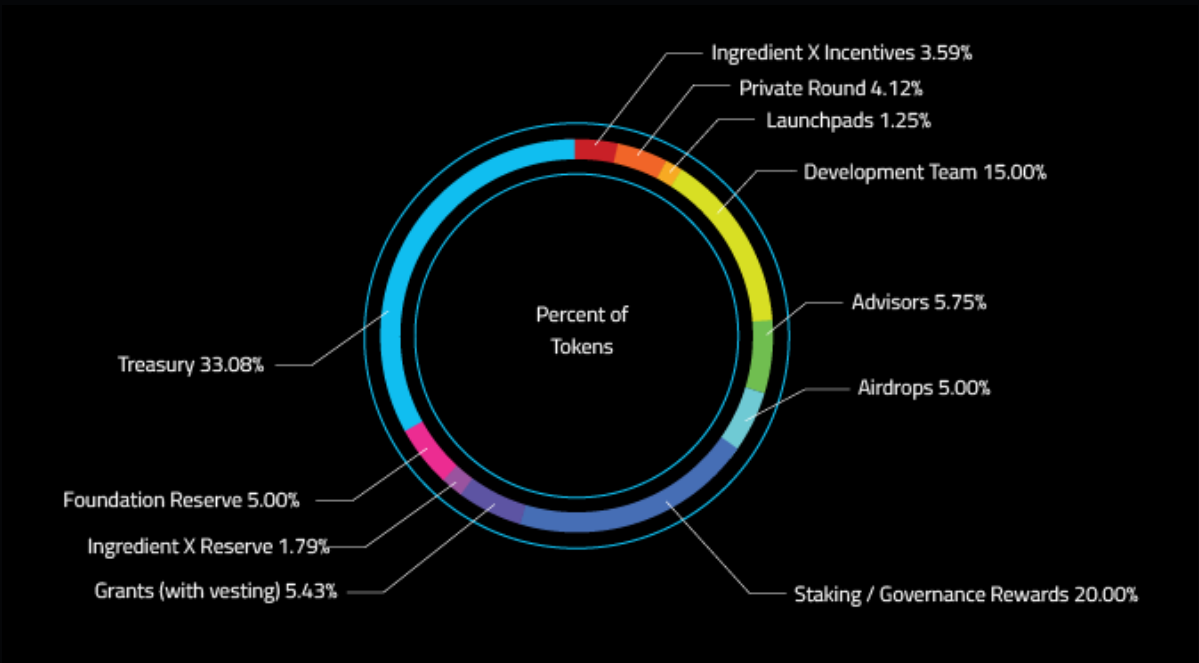
FAN Tokenomics

FAN Tokens

Ticker . . . .   FAN

Primary Chain . . . .   Ethereum

Layer 2 . . . .   Polygon

Total Supply . . . .   10 billion

Initial Circulating Supply 3.57%

FAN Token Distribution

	No. of FAN	
Max Supply	**10,000,000,000**	**% of Max**
Ingredient X Incentives	358,805,968	3.59
Private Round	411,522,634	4.12
Launchpads	125,000,000	1.25
Development Team	1,500,000,000	15.00
Advisors	574,698,919	5.75
Community and Ecosystem		
Airdrops	500,000,000	5.00
Staking/Governance Rewards	2,000,000,000	20.00
Grants (with vesting)	542,920,265	5.43
Ingredient X Reserve	178,574,848	1.79
Foundation Reserve	500,000,000	5.00
Treasury	3,308,477,366	33.08
Total Circulating Supply	**6,691,522,634**	**66.92**

*Tokenomics are a current estimate as of the date of this Black Paper draft and are subject to change

FAN Token Allocation

FAN Token Allocation

- Ingredient X Incentives 3.59%
- Private Round 4.12%
- Launchpads 1.25%
- Development Team 15.00%
- Advisors 5.75%
- Airdrops 5.00%
- Staking / Governance Rewards 20.00%
- Grants (with vesting) 5.43%
- Ingredient X Reserve 1.79%
- Foundation Reserve 5.00%
- Treasury 33.08%

Percent of Tokens

Token Release Schedule

Legend:
- Foundation Reserve
- Ingredient X Reserve
- Grants (with vesting)
- Staking / Governance Rewards
- Airdrops
- Advisors
- Development Team
- Launchpads
- Private Round
- Ingredient X Incentives

Unlocked Tokens — Months Post-Launch

FAN Distribution & Staking Rewards

FAN Tokens have a max supply of 10B. At the time of writing of this document, the Treasury (unissued tokens with no plan for distribution, not affecting the circulating supply) is 33.1%.

FAN are split into several buckets:

Ingredient X Incentives

These tokens were allocated as an Ingredient X incentive to participants as a bonus.

Private Round

Tokens allocated for sale to private purchasers. This is an estimate at the time of this writing since it has not happened yet.

Launchpads

Tokens allocated for sale to launchpads. This is an estimate at the time of this writing since it has not happened yet.

Development Team

Tokens allocated to the team who contributed to the development of the technology for Film.io. These tokens are locked for 6 months and have a leakout of 24 months from there. 1/24th of the tokens in this bucket will be unlocked at TGE as a reward for years of hard work by the team.

Advisors

These tokens have the same lockup/leakout as the Development team and are awarded to the Advisors who have helped the project.

Community and Ecosystem

These tokens are broken into two subcategories, Airdrops and Staking/Governance Rewards.

Airdrops

Film.io has a yearlong Airdrop schedule with this bucket consisting of 5% of the supply being emitted at a max of 1/12 per month over 1 year. This equates to a max of 41,666,667 FAN per month. The Airdrops will be implemented in the form of contests and "vampire attacks".

Staking/Governance Rewards (AKA Global Creativity Pool)

Staking on Film.io results in a reward of FAN Tokens (and reputation) called FGRs (Fan Governance Rewards). This is expressed as compound utility output that will initially be funded by Film.io's Global Creativity Pool ("GCP"), a cache of 2 Billion FAN (20% of the max cap), which adjusts based on the optimal % of circulating supply at stake (see Reward Table below) and eventually added to an additional FGR set by and funded by the Creator. In addition, various rewards, including a signup bonus, referral bonuses and bonuses for completing actions such as writing reviews (more such bonuses and rewards discussed in the Film.io Black Paper) are emitted from the platform and come from the Global Creativity Pool. The GCP automatically regenerates based on a % of tokens spent within Film.io recycling into the pool.

Current platform emissions include:

Film.io Geiser "FGR". Potentially starting as high as 1000% during a brief promotional period for early adopters, and while the FAN at stake across the network is at or close to 0%, after which the FGR will drop to follow a formula designed to help maintain an optimal balance of staked FAN (see Reward Table below) as the platform nears general public release. All rewards will remain within the number of tokens allocated to Airdrops in the tokenomics.

Filmio Faucets

Faucet	Initial Values (*proposed)	
Signup bonus/bounty	100	FAN
User referral reward	5	FAN
Project Reviews	5	FAN
Project Shares to Social	5	FAN
Go Score Milestones	100	FAN

Faucet rewards are subject to a decay formula based on a combination of factors, including time, user growth attainment and total tokens staked, in order to balance staking behavior which is necessary for DAO votes on projects in the FDP.

Reward Table

Staked %*	Reward to Validators	Annual FGR**	Monthly FGR
0%	2.25%	1000%	83.33%
5%	3.25%	65.00%	4.26%
10%	4.00%	40.00%	2.84%
20%	5.50%	27.50%	2.05%
25%	6.25%	25.00%	1.88%
30%	6.99%	23.30%	1.76%
40%	8.52%	21.30%	1.62%
50%	10%	20.00%	1.53%
60%	4.38%	7.30%	0.59%
70%	2.94%	4.20%	0.34%
80%	2.64%	3.30%	0.27%
90%	2.52%	2.80%	0.23%
100%	2.51%	2.51%	0.21%
*Percentage of Circulating Supply at Stake **1000% DAO Early Access Promo (timed)			

Special thanks to Polkadot for inspiration on the staking reward and interest formula

GCP - FAN Reward Cap. FAN Rewards are capped at the 60-month leakout rate of FAN for the Global Creativity Pool (GCP) with 33,333,333 of the total 2B FAN Tokens (maximum) being rewarded each month for 60 months.

Reward Balancing. The ideal staked % is assumed to be 50% in order to balance DAO member voting/staking participation and other utility use cases of FAN Tokens. DAO members are rewarded heavily with FAN the lower the staked % is, and rewards drop off sharply when the staked % goes above 50%.

GCP Regeneration. There are various mechanisms built into the protocol that will recharge the Global Creativity Pool, including percentages of tokens from various transactions that are paid into the pool to keep it funded. A portion of the fees received in Film.io's tokens for use of the platform, including from the use of funding and NFT tools, subscriptions, matchmaking, etc, will be split between the Global Creativity Foundation, to be used according to the Foundation's charter for the benefit of the creative community worldwide, and to replenish the Global Creativity Pool. The remainder will be utilized by Film.io to cover operational expenses.

Creative Grants (i.e. Seed Investments). The GCP will, over time, issue creative grants to assist projects, and will be governed by the protocol (specifically the

GoScore) and DeFi features, which are initially set by the Global Creativity Foundation. Ultimately the GCP will be governed by the Film.io DAO.

Grants (with vesting)

These tokens are subject to vesting AND Lockup/Leakout provisions. This means that there's a vesting schedule, similar to stock options, whereby the tokens are not even owned by the recipient (i.e. they are subject to forfeiture upon termination of employment, etc.). Only the vested portion of the tokens (mostly over a 4-year period, vesting in equal quarters at the end of each 1-year employment anniversary) are transferred to the recipient's wallet, and then become subject to the Lockup/Leakout schedule.

Ingredient X Reserve

Ingredient X is the company that the development team has worked for, and the original creator of the IP that was transferred to Film.io. Ingredient X was issued the tokens in this bucket in exchange for the IP and certain development services, which made the project possible. These tokens are subject to 1/12th being unlocked initially, followed by 12 months leakout.

Foundation Reserve

The Global Creativity Foundation is the ownerless, charitable organization that owns Film.io. This Reserve bucket is for liquidity that may be needed along the way and is subject to a 24-month leakout schedule.

Treasury

Treasury (unissued tokens with no plan for distribution, not affecting the circulating supply) is 33.1%.

FAN and FILM Token Use Cases

USE CASE	PARTICIPANTS	OFFER / REWARD	SPEND/ STAKE	NOTES
FAN				
Go Score: Unlocking Project features	Film.io/Fan/Creator	Reward	Stake	The Go Score is an algorithmic scoring system for projects submitted to Film.io. When various levels are achieved, certain platform features are unlocked for the creator. The staking of FAN Tokens to a project is the greatest driver of the Go Score. By staking FAN, fans can help the creator move their project through the stages of the platform and ultimately achieve success.
Reputation	Film.io/Fan	Reward		Film.io has a gamified experience where activity in the ecosystem builds reputation. A fan's reputation isn't based on FAN HODLings alone—a fan's activity and associated badge have a weighting effect on their reputation on Film.io and their DAO governance power. Staking FAN results in FAN and a reward of reputation points.
Reviewing projects	Film.io/Fan	Reward		Fan Earn Fans are rewarded in FAN for reviewing projects.
Referring fans, followers and friends to Film.io	Film.io/Fan/Creator	Reward		Creators and fans are rewarded in FAN for referring new users to Film.io.
Donations	Fan/Creator	Offer	Spend	Fans can donate FAN to creators and projects they want to support (e.g., Patreon)
Whitelist access to NFT drops and other opportunities	Fan/Creator	Offer Reward	Spend/Stake	As a reward for supporting a project, when fans stake FAN to a project, it provides them with priority whitelist access to NFTs created by that project or creator, and other opportunities.Fans are anticipated tl be able to use FAN Tokens to purchase NFTs on Film.io.
Payment for contests or other actions	Film.io/Fan/Creator	Offer Earn	Spend	Creators can launch offers or contests that pay fans for their participation (i.e., help create movie posters, creating/posting a video on social media, etc.) in FAN. The creator sets the FAN reward for the action or contest. Fans compete to receive payment for completing the task in FAN. Fans vote to determine the winner and earn additional FAN in the process. Creators and fans are rewarded in FAN in the form of contests and "vampire attacks".

USE CASE	PARTICIPANTS	OFFER / REWARD	SPEND/ STAKE	NOTES
FILM				
DeFi delegated crowdloans	Film.io/Fan/Creator	Reward	Stake	*Fans and creators stake FILM to collateralize loans. Loans can be direct to the staker or delegated to a project and cross-collateralized, whereby the creator provides some of the collateral and pays the interest, as well as pledges certain project IP rights and royalty rights as collateral/compensation.
Priority access to funding and NFT campaigns	Fan/Creator	Reward	Stake/Spend	*FILM stakers gain access to preferred terms in funding opportunities, NFT whitelists, etc.
Provide funding (reward & equity crowdfunding; NFT purchases, including movie tickets, etc.)	Fan/Creator	Offer	Spend	*Offer third-party funding avenues (crowdfunding), NFT purchases (including movie tickets, etc.). FILM to give access to Filmio.io's partnerships to participate in crowdfunding campaigns, financing rounds pursuant to Reg. D and Reg. A/A+, and NFT campaigns.
Film.io Global Creativity Pool	Film.io	Offer	Spend	*Managed by the Film.io DAO, the Global Creativity Pool participates in funding of projects that achieve certain milestones, including a certain Go Score, number of followers, and certified budget.

*Not all features are available at the time of publication of this Black Paper. See legal considerations and disclaimers section for more information on features, FILM and FAN tokens. FILM and FAN tokens are not an investment, nor do they provide any passive income. Certain features may be blocked based on the user's legal jurisdiction.

FAN Tokens Fuel an Entire Ecosystem
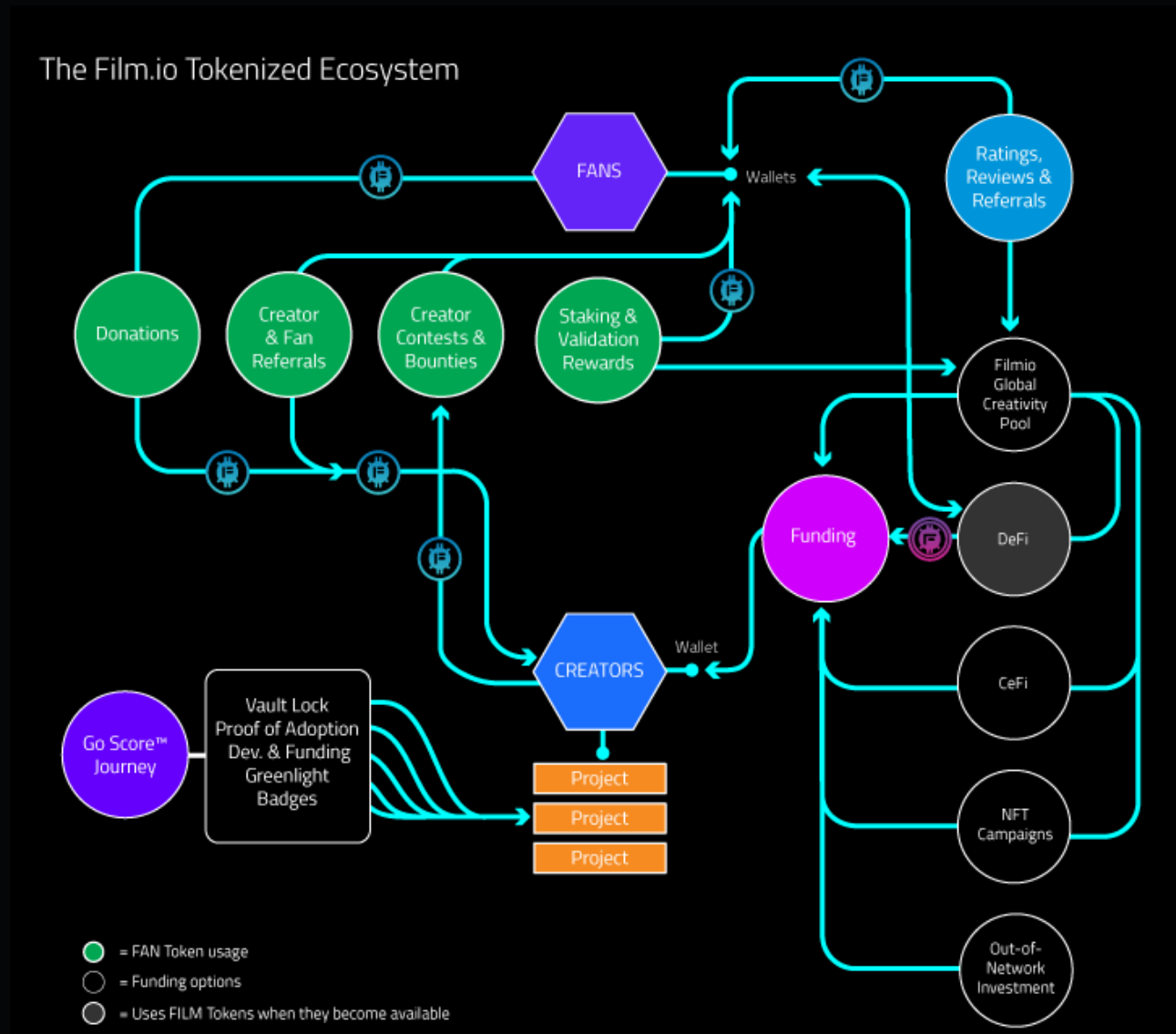
FAN Tokens are the universal medium of exchange that power the Film.io crypto economy.

Legal Requirements & Considerations

Tokens, the blockchain and smart contracts are nascent technologies. The application of existing laws to new technologies is often unclear. The laws that may be implicated by the Film.io platform and tokens are numerous given its worldwide reach. As a result, the legal and regulatory issues surrounding the Film.io platform and tokens are complex and undefined at this time. As these issues are settled, modifications may need to be made to the Film.io platform and FILM and FAN Tokens, at Filmio's sole discretion, to comply with applicable law or to satisfy the needs and requests of the community, the Global Creativity Foundation and/or Film.io DAO.

Summary & Conclusion

The Natural Evolution of Filmmaking

The Global Blockchain Revolution

The global entertainment and media markets are expected to grow from USD $2.3 Trillion in 2020 to USD $3.5 Trillion by 2027. To serve this fast-growing industry, Film.io has designed the world's first end-to-end transformation of the entertainment industry onto the blockchain, enabling fans, creators and investors to work together in a transparent, consensus-based environment.

As a part of the global blockchain revolution, the Film.io Decentralized Platform (FDP) is the natural evolution of filmmaking. It is designed to generate the best content from a token economy that democratizes creative production.

A Platform for Great Entertainment

Film.io is designed so that anyone with an idea can launch that idea as a project on the FDP, seek project funding, grow a fan base and generate fan appreciation, pre-validating the project's ability to succeed. The FDP is a comprehensive ecosystem to enable a project to move from a simple idea to a project ready for production and enables distribution through partnerships with the world's distribution companies.

The FDP is also a natural place for fully produced projects. This will give projects of all types a chance to finally find their audience. The FDP provides these projects with the same opportunities to build an audience, grow a robust social channel, connect with potential investors and leverage important distribution opportunities available on the FDP.

Mass-Adoption Decentralized Platform

Film.io is built to be the largest mass-adoption, decentralized application on the blockchain, not as an assortment of utilities but as a cohesive ecosystem. We are leveraging the blockchain to create a novel architecture for managing the complexity of the movie-making experience and providing it support while bridging the gulf separating the peer-to-peer ends of its most fundamental transactions.

Social forces mediated by platform networks and advances in blockchain technology both demand and enable the design of an intuitively navigable creative meritocracy for the success of film and TV projects. We have founded Film.io on this premise.

Appendices

Appendix A: Legal Considerations & Risks

The information presented herein is being provided to you by Filmio International Limited ("Filmio") for information purposes only. Neither Filmio nor any of its affiliates, nor any of its respective directors, officers, managers, employees or representatives make any representations or warranties, express or implied, with respect to any of the material or information contained herein. Neither does Filmio or any such person assume or otherwise have any responsibility or any liability whatsoever to you or any of your affiliates, or any of your or your affiliates' respective directors, officers, managers, employees, or representatives resulting from the use of the information and material contained herein. Information provided here is supplied in good faith based on information believed but is not guaranteed to be accurate or complete.

FORWARD-LOOKING STATEMENTS

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All references in this Filmio Blackpaper to the Film.io platform, regardless of tense, are intended to be references to how the Film.io platform are current intended to operate when it is fully operational. See the Film.io roadmap in this document for information about the expected development of the Film.io platform. The roadmap is in no way guaranteed and is highly likely to change on a frequent basis.

This document is not an offer or solicitation to buy Filmio tokens. Nor is this an offer or solicitation to buy any form of a security.

Further, the design of our FILM and FAN Tokens is such that those tokens will not grant the user the right to receive profits, income, or other payments, or returns arising from the acquisition, holding, management or disposal of, the exercise of, the redemption of, or the expiration of, any right, interest, title, or benefit in the Filmio tokens or the Film.io Platform, or any other Filmio property, in whole or in part.

We do not offer any suggestions or guarantees of any income or profit, whatsoever.

Our planned distribution of tokens is solely to provide a mechanism for interested consumers to participate in our decentralized Film.io Network for creative and artistic production development and viewing enjoyment.

There is no expectation or guarantee that Film.io tokens will grow in value. There are no guarantees that the price of Filmio tokens will not decrease, including significantly, due to some unforeseen events.

There are many risks associated with the purchase of Filmio tokens, due to a variety of factors well beyond our control, including technological developments, disruptive inventions and discoveries, obsolescence, regulatory uncertainty, changing economic conditions, competitive forces, and matters yet unforeseen.

FAN and FILM Tokens are not an investment, period. They are use-case, governance and utility tokens, to allow purchasers of the tokens to participate in the Film.io Network for creative production, procurement, DAO voting, access, distribution, viewing rights, enjoyment, and many other functions within the creative entertainment development and sharing space. The sale of Filmio tokens is final and non-refundable.

FAN and FILM Tokens are not official or legally binding investments of any kind. In case of unforeseen circumstances, the objectives stated in this document may be changed. Despite the fact that we intend to reach all goals described in this document, all persons and parties involved in the purchase of Filmio tokens do so at their own risk.

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The FAN and FILM Tokens are cryptographically-secured representations of a token-holder's rights to get access to the Film.io platform and receive services on the Film.io platform in the future through the token-holder's active actions.

WE RECOMMEND YOU CONSULT A LEGAL, FINANCIAL, TAX OR OTHER PROFESSIONAL ADVISOR(S) OR EXPERTS FOR FURTHER GUIDANCE PRIOR TO PURCHASING FILMIO TOKENS. YOU ARE STRONGLY ADVISED TO TAKE INDEPENDENT LEGAL ADVICE IN RESPECT OF THE LEGALITY IN YOUR JURISDICTION OF YOUR PURCHASE OF AND PARTICIPATION WITH FILMIO TOKENS.

The information set forth in this section on "Legal Considerations, Risks and Disclaimer" may not be exhaustive and does not imply any elements of a contractual relationship.

While we make every reasonable effort to ensure that all information: (i) in this Blackpaper; and (ii) available on the Website (all the information in the Black Paper and all information available on the Website hereinafter referred to collectively as the "Available Information") is accurate and up-to-date, such material in no way constitutes professional advice.

The Company does not recommend purchasing the FAN nor the FILM Tokens for speculative investment purposes, and we will specifically refuse to accept any token purchases which we have reason to believe are for speculative investment purposes and not intended for consumer use case applications of a utility token.

Tokens do not entitle you to any equity or similar right or entitlement in the Company or in any of its affiliated companies. Tokens are sold as digital assets, similar to downloadable software, digital music, and the like. The Company does not recommend that you purchase tokens unless you have prior experience with cryptographic tokens, blockchain-based software and distributed ledger technology, and unless you have taken independent professional advice.

Citizens, nationals, residents (tax or otherwise) and/or green card holders of any jurisdiction which prohibits the possession, dissemination or communication of the available information and/or prohibits the purchase of tokens or any such similar activity or any other restricted persons are not permitted to participate in the purchase of Filmio tokens or Film.io.

The Company does not make or purport to make, and hereby disclaims, any representation, warranty or undertaking in any form whatsoever to any entity or person, including any representation, warranty or undertaking in relation to the truth, accuracy and completeness of any of the information set out in the available information. You should carefully consider and evaluate each of the risk factors and all other information contained in the terms before deciding to purchase Filmio tokens or participate in Film.io.

Regulatory authorities are carefully scrutinizing businesses and operations associated to cryptocurrencies in the world. In that respect, regulatory measures, investigations, or actions may impact Filmio's business and even limit or prevent it from developing its operations in the future. Any person undertaking to acquire Filmio tokens must be aware that the Filmio business model, this Blackpaper, or Filmio tokens may change or need to be modified because of new regulatory and compliance requirements from any applicable laws in any jurisdictions. In such a case, purchasers and anyone undertaking to acquire Filmio tokens acknowledge and understand that neither Filmio nor any of its affiliates shall be held liable for any direct or indirect loss or damage caused by such changes. Filmio will do its utmost to achieve the stated goals herein, however, Filmio does not provide any guarantee that it will manage to achieve them. They acknowledge and understand therefore that Filmio (including its affiliates and employees) assume(s) no liability or responsibility for any loss or damage that would result from or relate to the incapacity to use Filmio tokens.

https://film.io/token-terms-conditions/

Appendix B: FAN Reward & DAO Governance Formulas

*Formulas are subject to and expected to change as the protocol evolves.

FAN / DAO Vote Weighting Formula

$$Vw = \frac{(S * Qu * Rp)}{86,400}$$

Vw   Vote Weight
S   Seconds spent HODLing FAN
Qu   Quantity of tokens held
Rp   Reputation Points

86,400 (seconds of engagement) = 1 day

Fan Reward/Fees Calculation

$$Fr = (Ra * Re * Cm) * 0.1$$

Fr   FanReward
Ra   Number of Reward-actions completed on projects (previous 30 day period)
Re   Number of new users who have joined from a link tied to this user (previous 30 day period)
Cm   Fan Reward Multiplier

Reward Multiplier: Fan

Us   User Session Length
A   Number of projects rated in last 30 days
B   Percent of time spent actively engaged
C   Value of User's social content
K   Karma Level (Good Actor Rating)

Reward Multiplier: Creator

Us   User Session Length
St   Current stage the majority of a creator's projects are in
B   Percent of time actively engaged
K   Karma Level (Good Actor Rating)
X   Track Projects Completion Percentage

Appendix C: Go Score Formula

*Formulas are subject to and expected to change as the protocol evolves.

The Go Score is a set of algorithms designed to adapt and evolve over time in tandem with the platform. It comprises the following category-based components as well as proprietary AI and ML models to compute a score that accurately reflects the health and success potential of a given project in real-time. These algorithms are subject to evolution over time, including the addition of Artificial Intelligence.

Categories (will evolve over time)

The below categories are the primary components used within the scoring algorithm.

- FAN Staking
- Ratings/Reviews
- Shares
- Followers
- Views

Star Rating factors

- Number of Votes = N
- Star Value = s5 + s4 + s3 + s2 + s1
- Star Value Average = sA
- Star Value High = sH
- Star Score = sC
- Star Category Weight: cS
- Star Weighting Score: sW
  - This score represents the Star Score times the Star Category overall weight.

Shares/Referrals

Shares are the act of sharing a project to another person, off platform, and that user joining the platform and creating an account through a referral link. This is calculated with the following formula:

rA = Average shares calculated per month.
rH = Share/referral score high
rN = Number of shares for the project, calculated from the preceding 30-day period
rC = Category Weight
rV = Share/Referral value

Followers

This is calculated with the following formula:

- fA = Average followers calculated per month.
- fH = Followers score high
- fN = Number of followers for the project, calculated from the preceding 30-day~~30-day~~ period.
- fC = Category Weight
- fV = Followers value

Views

This is calculated with the following formula:

- vA = Average views calculated per month.
- vH = Views score high
- vN = Number of views for the project, calculated from the preceding 30-day~~30-day~~ period.
- vC = Category Weight
- vV = Views value

Appendix D: Patent Filings

1 - Film.io Distributed Platform
U.S. Patent Application - Pending
Title: METHODS, SYSTEMS, AND DEVICES FOR PRODUCING VIDEO PROJECTS
Serial No. 17/553124
Electronic Submission Date: December 16, 2021

2 - Blockrings™
U.S. Patent Application - Pending
Title: PROJECT CREATION SYSTEM USING BLOCKCHAIN
Serial No. 16/386097
Electronic Submission Date: April 16, 2019

3 - VaultLock™
U.S. Patent Application - Pending
Title: PROJECT CREATION SYSTEM INTEGRATING PROOF OF ORIGINATION
Serial No. 17/670335
Electronic Submission Date: February 11, 2022

4 - Film.io Now™ & TIXS™
U.S. Patent Application - Patent No. 11102255
Title: PROJECT CONTENT CREATION AND DISTRIBUTION SYSTEM Patent Issue
Date: August 24, 2021