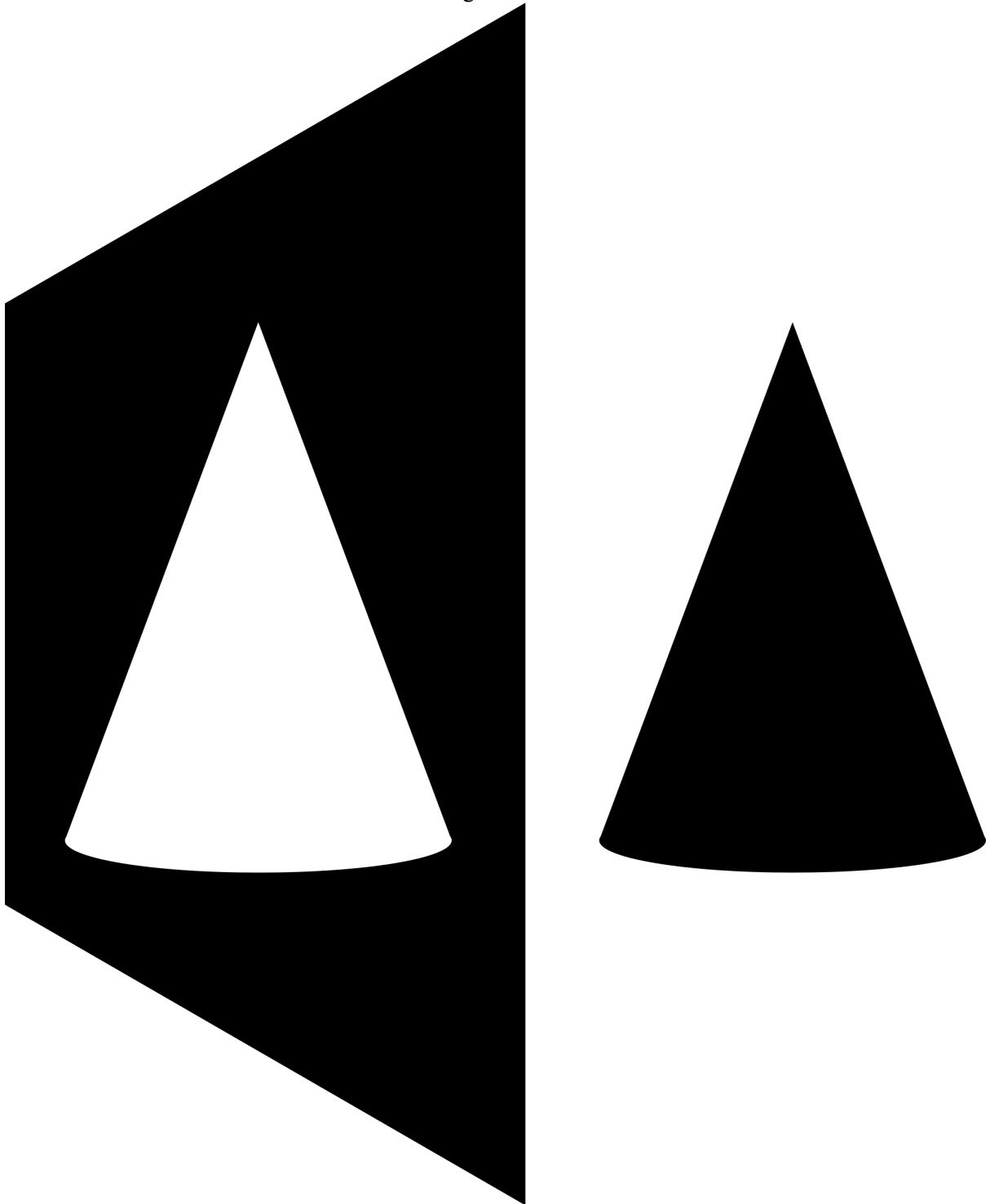


# Iustitia

v0.0.5

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## Abstract

Iustitia is a project built on top of the Ethereum blockchain with the purpose of establishing an anonymous dispute resolution system. Current dispute resolution infrastructure servicing Ethereum is administered by third parties who store and publicly distribute an excessive amount of user information concerning the conflict. Iustitia plans to combine private cryptocurrency, the Ethereum blockchain, and cryptographically sealed adjudication to bring the entire dispute resolution system to a very high standard of privacy. With complete privacy a wider variety of cases can be adjudicated on Iustitia as users and businesses feel more comfortable presenting possibly sensitive information if they maintain their anonymity. Iustitia employs financial incentives for voting consistently with the majority, compelling users with no means of collaboration to vote as reasonably as possible. Iustitia also has a deflationary token system, burning a portion of the supply dependent on the resolution

## 1. Introduction

*Let justice be done, though the world perishes*

Digital transactions have become the preeminent method of transferring funds and globalisation has led many more of these digital transactions to cross the borders of jurisdictions and nations. Over the past two decades, this has resulted in the sharp rise of financial disputes lacking an authority to properly adjudicate them. Businesses and individuals offshore devoid of judicial oversight falsely advertise, fail to deliver, prevent investors from withdrawing their funds, and exploit what thin dispute resolution systems exist to their own advantage. Some businesses nonetheless continue to employ their own dispute resolution systems. None are without flaws. They are designed to do nothing but limit the company's legal liability and are plagued by blatant favouritism, excessively long queue times, and poor reception. Users are tired of submitting a ticket and waiting weeks to get an

automated response that cannot assist them. Such systems are expensive, weaken the company's brand, and incentivize nothing but dishonesty.

Humans follow incentives. Lawyers and judges have incentive to follow what is just in order to progress their careers and protect their reputation, but in an online space where reputation is so difficult to track, agents are free to act as malevolently as they please.

Through the blockchain, with goods and services being rendered through a decentralised platform globally, various organizations are attempting to remove the human element entirely. Smart contracts could potentially strike at the root of internet disputes. Contracts can be programmed to automatically execute and deliver the goods or service. Yet when it comes to ascertaining the quality of the goods or service provided, they cannot deliver a judgement. What is necessary is a dispute resolution platform that is decentralized and renders judgement from an outside, anonymous, and impartial perspective. Justice is a construct spawned from our societal values and professional expertise. Iustitia will anonymously connect those willing and with the expertise to adjudicate to cases that need judgement by introducing financial incentives.

Iustitia is an anonymous protocol for disputes that arise during any form of online interaction, modelled on the basis that a team of world jurors will be able to render a fair judgement. However, it is impossible to reach the full potential of justice without complete anonymity for all involved. By depositing anonymous cryptocurrency or Ethereum, one will be able to create an anonymous case with sealed evidence only visible to the anonymous jurors. Even the Iustitia team will not be able to view the contents of the case.

The goal is to offer a system where sensitive information can be adjudicated on in earnest. Current blockchain dispute resolution systems offer no anonymity. The address that presented the case is public. The subject matter, evidence, and jurors of the case are public. Even the direction of the jurors' votes are public. This prohibits the passage of sensitive information and incentivizes jurors to vote differently than they might if the anonymity of all parties was completely secured. With Iustitia, all the aforementioned information will be private not only to the public, but to the team itself. There will be no way to access the case details without being a randomly selected juror given a private key. Iustitia can adjudicate disputes where the rule of the law has no authority, but the rule of the people has justice.

## Walkthrough

By staking the Iustitia token, one can become a juror with increased odds of being drawn with a larger amount staked. Cases can be submitted by sending either Ethereum or private tokens such as Monero (XMR) to Iustitia and documenting the details of the dispute. This generates a private key to the case. Randomized jurors are drawn and given a unique password that corresponds to the key. Inputting the private password grants access to the case files and the voting interface. When submitting their vote, a juror must input a valid deposit address for the cryptocurrency used for payment and must submit their password as well. Once the vote is cast, jurors lose all access to the case files. The juror then knows if they voted with the majority or not by waiting for their balance to update. If the juror voted with the majority, a portion of the token used in case fees will be distributed to the address specified when voting. If the decision was unanimous, the juror will receive no additional IUST. However, when a juror votes with the minority, a portion of their staked IUST will be redistributed to the majority and another portion will be burned. In the end, the only information publicly visible on the Ethereum blockchain would be the movement of IUST across users, which divulges little to no information.

## Value Projection

In order to properly attract investors and jurors, the Iustitia team is dedicated to the appreciation of IUST. Using similar projects as a basis, in combination of the connections and project completion deadlines set by the programming team. After employing current models for case count, exposure, and the use case of the anonymity, the team predicts an exponential growth rate to ~\$1.00USD, by October 2021, as per *Figure 1*. The value is expected to remain under \$0.02USD until April 2021, which from there should yield approximately \$0.10 increase per month until October 2021.

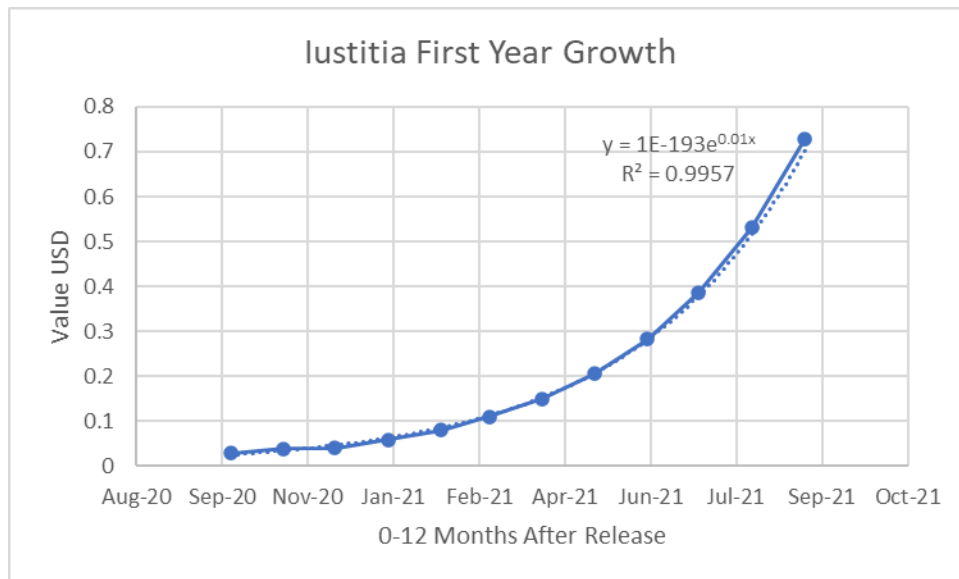


Figure 1. Iustitia's growth rate to \$1. This will be achieved by the completion continuous completion of projects and partnerships.

The second year growth rate follows a logarithmic curve, to \$2.00 USD as seen in Figure 2.

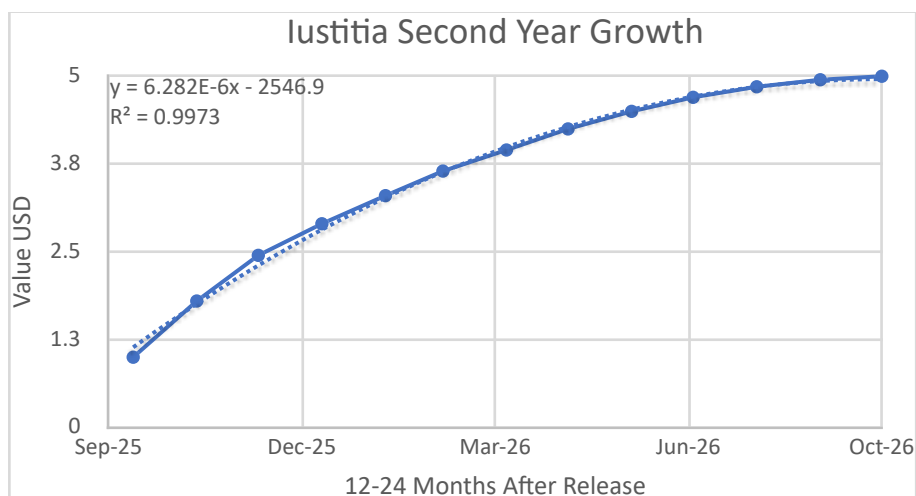


Figure 2. The second year of growth will likely follow a log graph, and remain stable after reaching \$2

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