Welcome to the FUTURE

Digiwage

Digiwage Team

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INTRODUCTION

While it's clear that blockchain has brought decentralization capabilities to many areas of industry, hi-tech and finance, it's yet unclear how they will be applied on real life case scenarios.

This lack of perspective, while expected from every early-adoption phase infrastructure, is preventing businesses and individuals to access to the advantages of this ground-breaking technologies in a quick, affordable and safe way.

Digiwage Team is focused on bridging this gap in the Jobs and Workplace industry, by developing and providing the necessary tools for entrepreneurs, freelance workers and anyone who works in the global services arena.

Key to this strategy is the creation of the Digiwage cryptocurrency, that provides the necessary blockchain technology layer as a base for anonymous, instant and decentralized payments.

Still most of the reduced public that made inroads into cryptocurrencies lately thinks that this is only about coins and money transfer.

Actually, bitcoin-based blockchain is already a decentralized smart contract enforcement platform by using bitcoin's script language. While some have tried to downplay its power by saying it's not a Turing complete machine, others point this as more of and advantage than a disadvantage.

But the fact is that today it's still underused, when that's the real value of it, and that's how Digiwage Team aims to leverage its full potential for the worldwide services industry by using it for the decentralized payment system.

BUSINESS CASE

Current digital workplace and freelance scene is ironically controlled by a few powerful players, that enforce centralization and leave developers, designers, creators and entrepreneurs with little choice of anything and high mediation fees for everything.

The arrival of blockchain technology opens a new window of opportunity, that may transform the freelance landscape for good and will create new, exciting and trustless collaboration frameworks with higher degrees of freedom and no need of a central authority that restricts expansive projects.

Central to this decentralized target, is the creation of a blockchain secured payment system, that all the actors in a services contract can use to fund escrows, pay and get paid, or even request for arbitration services, all this without intervention of any bank, card or other fiat payment schema.

Problem	Digiwage Solution
Centralized contract enforcement.	Contracts enforced by trustless blockchain, encryption based signatures.
High mediation fees whatever the result.	Mediator is only required when arbitrage is required. If all parts agree, they can execute the contract on their own by signing.
High fees from different conventional fiat payment systems	Low fees of Digiwage cryptocurrency network
Rigid cooperation frameworks	Flexible, trustless cooperation frameworks.

TECHNICAL SHEET

Basic Characteristics

Go-Live Date: March 27, 2018
Ticker: WAGE
Sub Unit 1 mWAGE=0.001 WAGE
Lowest Unit 0.00000001 WAGE
Mining Strategy: PoS + Masternodes
Base Platform PivX
Algorithm: Quark
Block size: 1MB
Max. coins:
Current circulation: 40 Millions
First 14 months are deflationary.
Max. Circulation: unlimited
Avg. block time: 1 min.

Economics

No Initial Coin Offering (ICO)
Self-funded

BLOCK REWARD BREAKDOWN

1-86400 120 WAGE
86401-259200 60 WAGE
259201-432000 30 WAGE
432001-604800 15 WAGE
604801-Infinite 7.5 WAGE

Masternodes 66.66%
POS 33.33%

Masternodes

They provide a layer for contract enforcement, InstantSend/PrivateSend capabilities, and can be enabled to act as a decentralized governance system [1]

Digiwage Masternodes require an initial deposit (12000 WAGE) and are rewarded at each block creation, acting as an incentive for profitable investment and a long-term commitment towards Digiwage project.

Technologies used

Android Studio, Angular.js, C/C++, HTML5, CSS3, Javascript, Node, Swift, jQuery, Blockchain, Multisignature, Distributed Ledgers, Open Application Programming Interfaces (API).

DIGIWAGE WORKPLACE

The Digiwage Freelance Workplace will perform as a business hub for entrepreneurs, freelancers, startups and developers.

Powered by the Digiwage Network, the decentralized nature of the marketplace platform and its associated payment system will provide freedom and flexibility to build different combinations of modern collaboration frameworks, minimizing the management frictions and fees and enabling the creation of high-efficiency project teams.

A quick glance on the different collaboration possibilities:

Micro-jobs	The sellers will quote a specific price for a service.
Hourly	Enables the freelancers to post their services on an hourly basis.
Buyer requests	Any Entrepreneur can post their requirements and look for a freelancer matching them.
Project teams	Makes it easier for startups to form teams across various technologies and projects
Developer Directory	Skill sets are linked to user profiles and public addresses on the blockchain, creating a complete developer directory that will make easier for anyone to search for technology specific professionals.
Crowdfunding	Users can post their ideas with a well developed white paper and request voting to raise funds and find resources within the platform to kickstart any new projects

The platform and the wallet apps will also provide collaborative and management tools to facilitate the communication among all participants.

Initially the base currency will be WAGE. Later on, the workplace will provide third party currency conversion tools to facilitate deals using other currencies [2]. In a more advanced point of the roadmap, a DEX (decentralized cryptocurrency exchange) will replace those 3rd party tools and create a 100% autonomous, multi-currency payment gateway.

DECENTRALIZED PAYMENT SYSTEM

The approach taken in our design excludes the use of centralized web wallets from the beginning.

While this decision would substantially simplify the payment process development, it has so many critical consequences regarding security, privacy and identity theft, that it can't hardly be considered as convenient under any sensible modern industry standard, and will not be accepted by any party trying to do serious business.

Any web wallet containing private keys and funds have been a recurrent and fruitful target for hackers, leading as a side consequence to make the mainstream public to be skeptical about the security of the blockchain technology, without an actual reason behind.

Web servers are open to many exploits, denial of service and even social engineering attacks. This approach rules out a great deal of the advantages offered by peer to peer, distributed ledger technologies represented by cryptocurrencies.

The proposed payment process for the Digiwage Workplace Platform integrates all the features into Digiwage Core client, allowing all participants to keep their private keys safely kept into their PCs, preferably in an encrypted wallet for tighter security.

Roles involved.

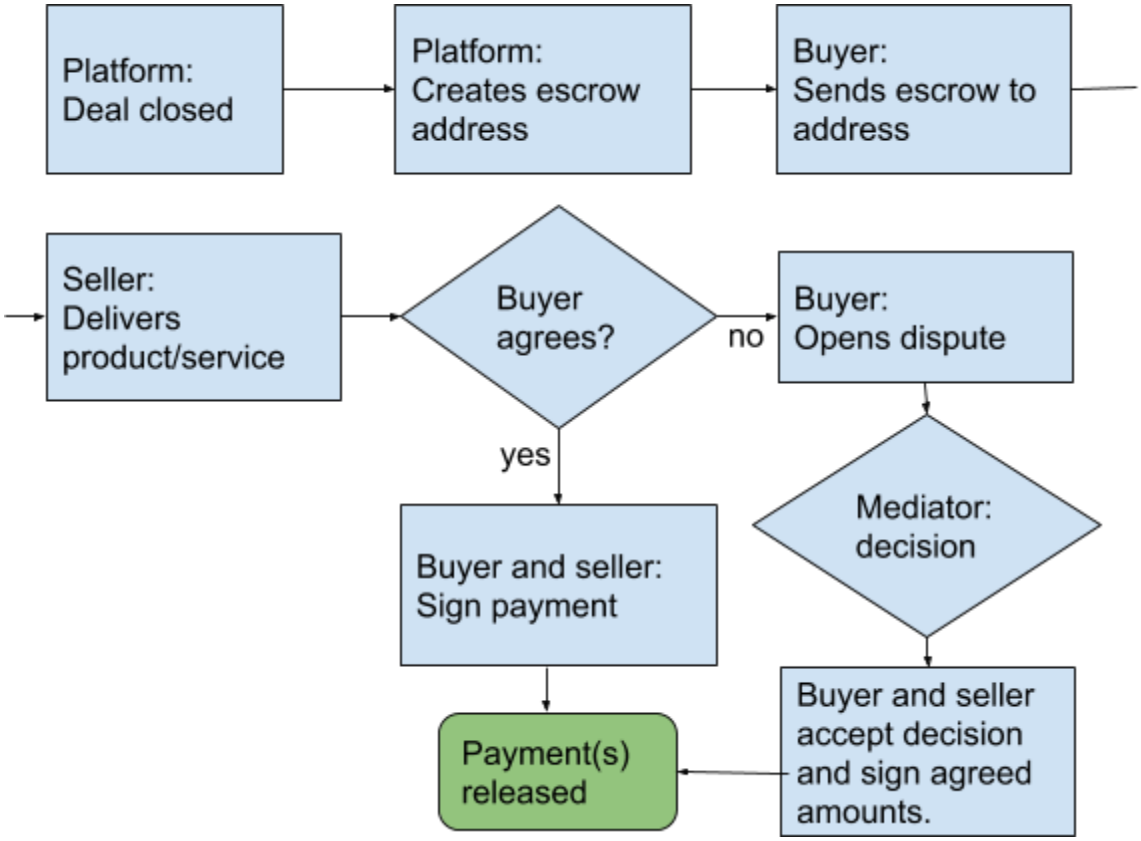
Buyer: user of the Workplace Platform who contracts a service or purchases a good.
Seller: user of the Workplace Platform who sales a service or good.
Mediator: user that provides a mediation in case of dispute in a deal. Initially it will be some administrator or moderator in the Platform, but can be extended in the future to other users. It is not a mandatory role as long as there is agreement among the other parts.

The three role users will need a Digiwage Core wallet, with a public address registered into the Workplace Platform to engage into this payment process.

Role enhancement for flexible cooperation frameworks

Note that the system can be easily expanded to support different cooperation frameworks, for example N entrepreneurs acting as buyers and M buyers providing combined services to provide a broader project under a multi-party, multi-signature blockchain-enforced contract [3]

Basic functional diagram:



Each escrow and payment operations are sent from Digiwage Core Client, and broadcasted into Digiwage P2P Network. Every approval is signed by each party using their exclusive private keys, making fraud impossible while those private keys remain safe on the user's PC.

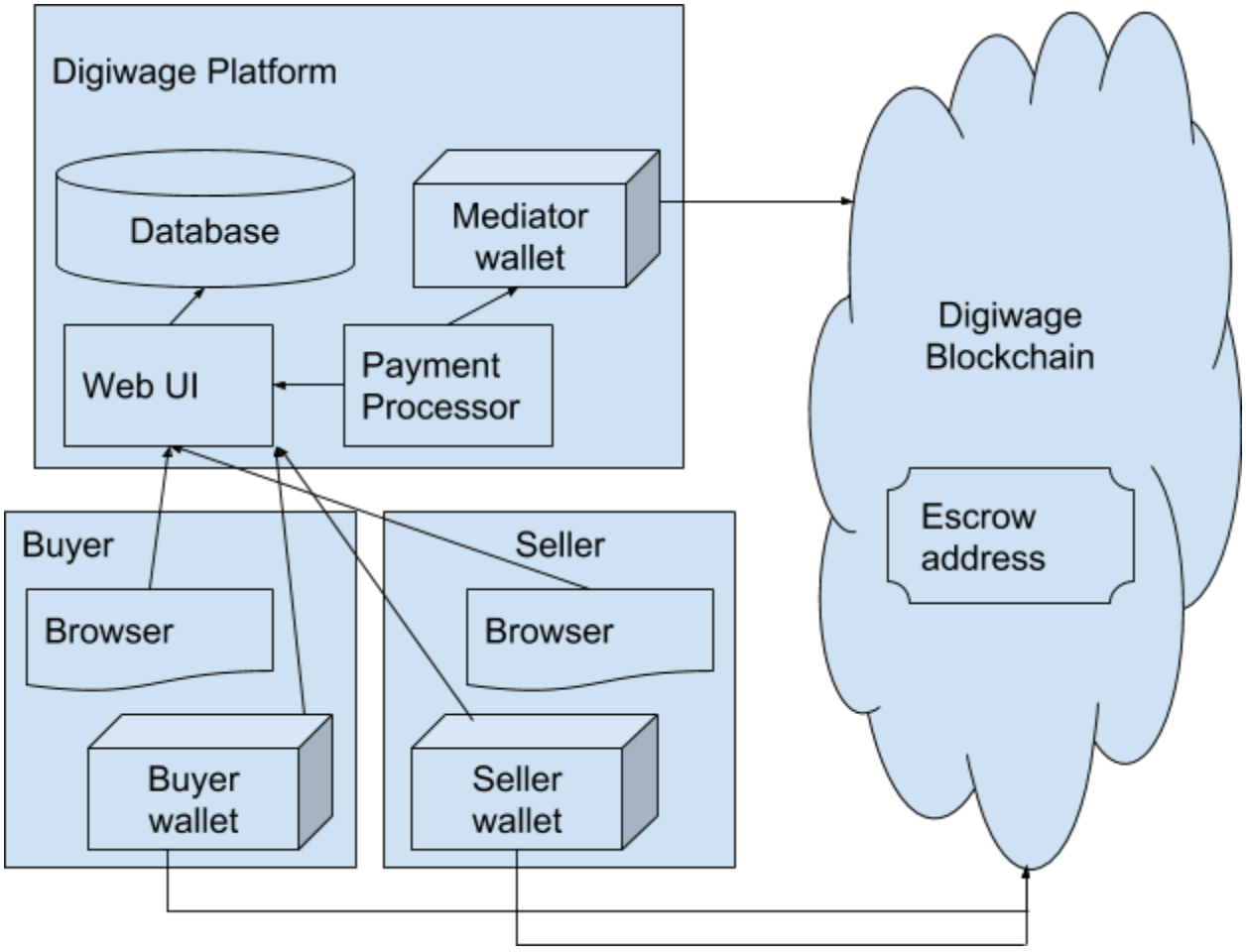
All the Workplace Platform needs is to keep the parties public addresses, and it can protect itself from tampering or fraudulent impersonations by

requiring each request to provide that address' public key, which can't forged and only lives in the user's encrypted wallet file.

As a key feature to solve disputes or other abnormal developments in a deal or contract, the Digiwage Platform can provide its own private key signature, to sign a final operation that can release funds partially or totally in a final dispute resolution, or even unlock funds in case one party retires from the deal.

The decentralized characteristic of the system is shown when a deal ends to all parties' satisfaction. Then buyer and seller can sign the final transaction and release the funds from the escrow address to the final recipient.

Systems diagram:



Workplace Platform is required to provide basic support for the deals and the contract status. Then all payment operations are conducted by the parties directly using the especially adapted Digiwage Core Client.

Unlike other core clients that just provide basic on-chain transfers, Digiwage's allow to follow all pending deals and disputes, perform the escrow deposits (for buyers) and facilitate the signing process for the multi-signature transactions that will finally unlock the funds to the final recipients.

Finally, Workplace Platform has access to the mediator wallet, to solve disputes and allow the execution of a final agreement (whether it includes a partial or total refund for the buyer.

DEVELOPMENT ROADMAP

DISCLAIMER

The purpose of this whitepaper is to present the Digiwage Workplace, and its associated cryptocurrency. The information set forth herein may not be exhaustive and does not imply any elements of a contractual relationship. Its sole purpose is to provide relevant, reasonable information to potential investors and participants in order form them to determine whether to undertake a more thorough analysis of the project.

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Cryptocurrency exchange rates have exhibited strong volatility to date and the extent of exposure to potential loss could extend to the entire cryptocurrency investment. Many factors outside of the control of Digiwage will affect the market price of cryptocurrencies, including, but not limited to, national and international economic, financial, regulatory, political, terrorist, military, and other events, adverse or positive news events and publicity, and generally extreme, uncertain, and volatile market conditions. Extreme changes in price and ability to sell/exchange may occur at any time.

CITATIONS

[1] Chain Intelligence Masternodes: An Introduction

[2] Changelly https://changelly.com/

[3] Bitcoin wiki - Multisignature applications