

draglet

Blockchain is our Passion



Company Profile

Founded in Munich in 2013, draglet specializes in tailored blockchain software solutions. Our experts possess years of experience and have developed a large number of blockchain applications for various enterprises. Our blockchain services and products includes our renowned bitcoin white-label exchange software, ICO implementation, smart contract development, and blockchain consulting.

Our mission is to spread blockchain and cryptocurrency technology across the world. As an “old veteran” in the cryptocurrency industry, we always strive to spread awareness about how blockchain applications are challenging the status quo. At the same time, we want to dispel myths and false information about blockchain technology that have arisen from the current bitcoin hype.





Why **Should you Choose** **draglet**

Being involved in blockchain technology since the beginnings of bitcoin, our experts possess years of experience. Over the years, we have developed various blockchain apps such as supply chain management systems, crowdfunding platforms and payment processing.

We believe in establishing long-term relationships with customers, based upon shared ideals and deep commitment.

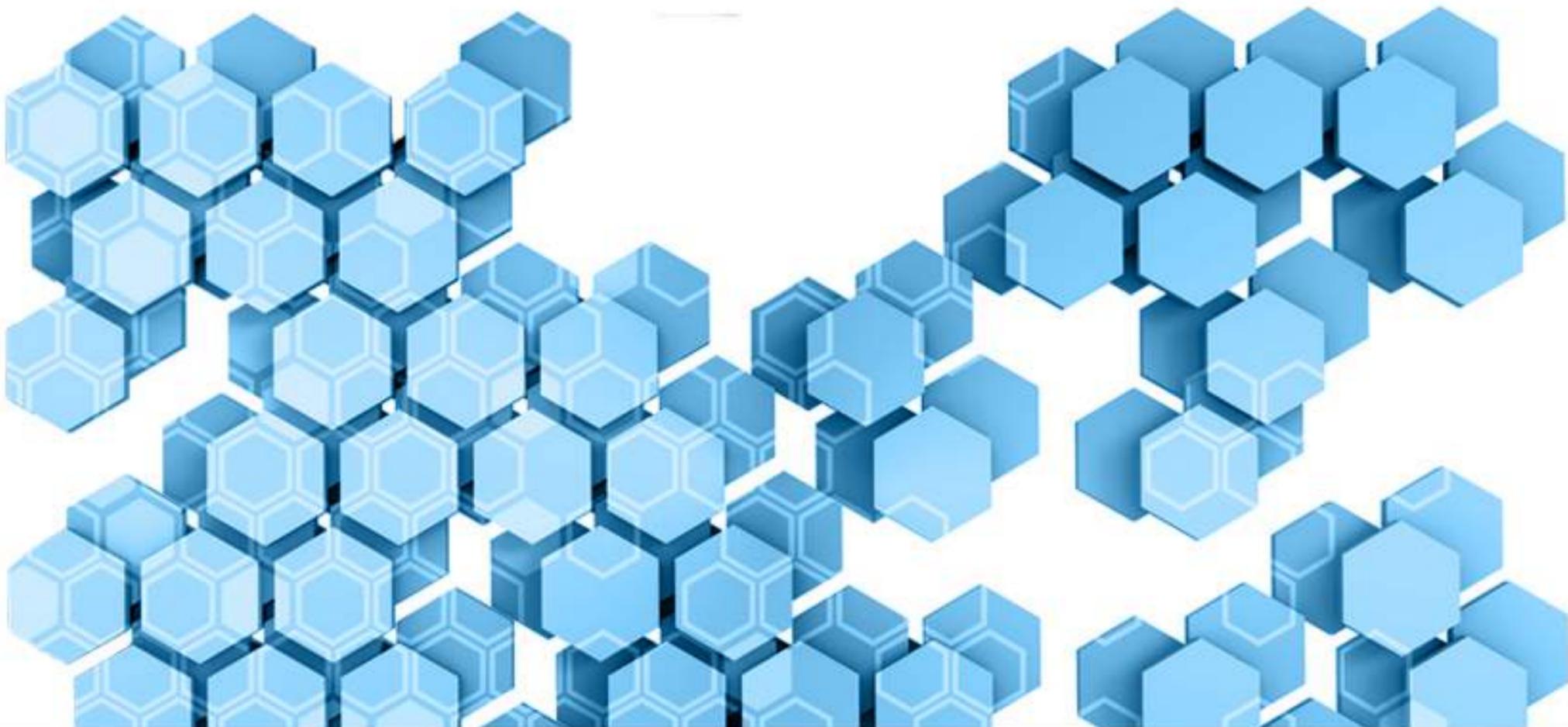
We value communication. Our clients cherish the availability and friendliness of draglet's customer support.





We're deeply rooted in the business culture of Germany. Quality and transparency represent our values and we strongly stand behind them.

We deliver, and we deliver fast. Our developers fulfill your queries and requirements in the shortest timespan without sacrificing quality.









Our Team

draglet is an international company with more than 80 staff members spread across 18 different countries. As an employer, we strongly believe that as long as you have the necessary skills and knowledge, you can work from anywhere remotely. Thus, we pursue a geographically distributed firm structure similar to a decentralized bitcoin network.

Cryptocurrencies are our genuine passion, and many of our team members trade cryptos in their free time. When it comes to the latest cryptocurrency news or trends, our team members are always up-to-date.



Our **D**irectors



Ganesh Jung

Managing Director

Master of Computer Science,

15+ years of experience as a software developer. Experience in the management of large developer teams. Development of draglet's trading engine and user interface.



Benjamin Bommhardt

Sales Director

**Master of Business informatics and
Int. Business & Enterprise in UK**

Speaker at blockchain conferences

Responsible for sales and project management.

2. Exchange Software

draglet provides a secure, flexible and fully customizable white-label exchange software for businesses who want to setup their own exchange for bitcoin or any digital currency. Our exchange software provides a holistic solution. It's the only thing you need to launch a successful cryptocurrency exchange.





Order Matching:

The trade engine of our software instantly and automatically matches orders between buyers and sellers for the best price available. In addition, it's capable of different order types such as market and limit orders.



Integrated Wallet:

Our exchange software includes multi-currency wallets allowing you to easily implement multiple cryptocurrencies. Multisignature cold storage can automatically secure cryptocurrency funds and prevent external access



Liquidity/Full Order Book:

Any exchange requires a full order book to attract traders. A full order book provides the necessary liquidity to instantly buy and sell cryptocurrencies with tight spreads. draglet's exchange software provides several liquidity options to choose from that ensures a full order book from the very first day your exchange launches.



Any Language:

draglet's exchange software supports any language, even right-to-left writing systems such as arabic, hebrew or persian. You can, of course, implement multiple languages together as well.



Funds Management:

Our integrated wallet software automatically manages cryptocurrency funds. The exchange owner can manually control fiat funds (Euro, Dollar, etc.) or we can implement payment processing features and banking interfaces to automate fiat funds management



Any Currency:

You can implement any currency into draglet's exchange software. From alternative cryptocurrencies such as litecoin or ethereum to fiat currencies such as Chinese RMB, or even your personal cryptocurrency, anything can be embedded into your exchange



2.1 Functionalities

2.1.1 Liquidity

An exchange needs liquidity to attract traders. draglet's exchange software provides several liquidity options to choose from: Market Maker, API External Exchange and Distributed Shared Orderbook (DSO).

These different options ensure a full order book as soon as your exchange launches.

2.1.1.1 Market Maker

The Market Maker option allows exchange owners to artificially generate liquidity through the software directly.

The Market Maker works as follows:

First, we use a price ticker - like the bitcoin price index, for example - in order to set a reference price for orders.

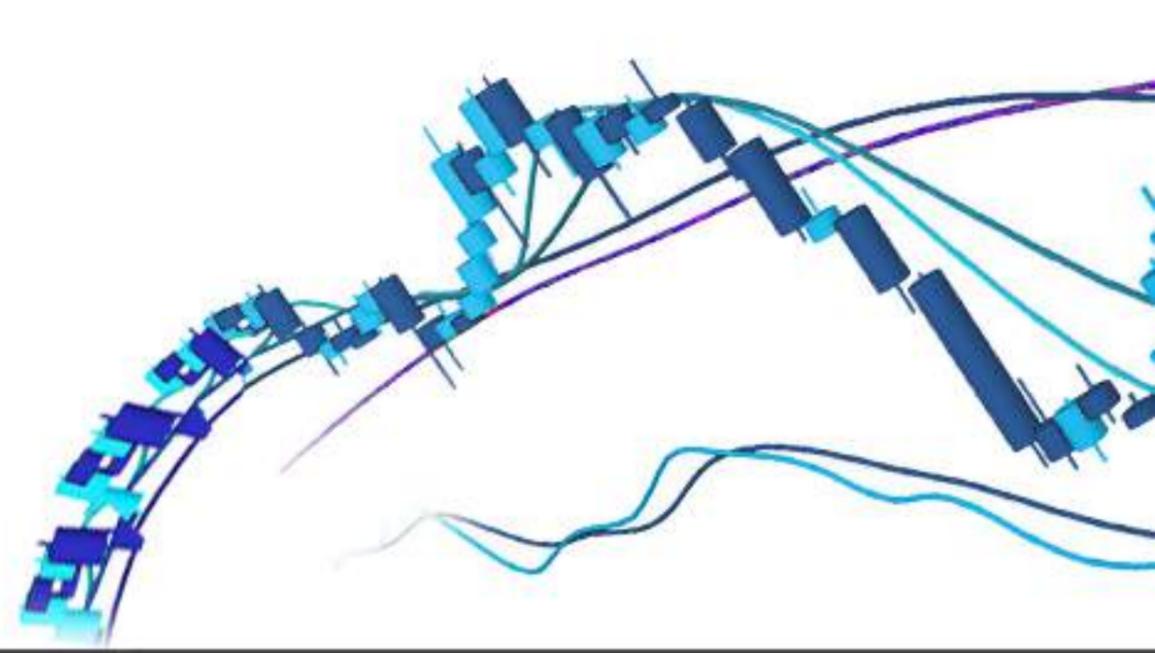
We use movements in the price on the price ticker to simulate orders in the orderbook, using the exchange owners' funds to create the orders. In other words, exchange owners utilize their own funds to create buy and sell orders that subsequently show up in the orderbook.





In rare occasions, a currency may not provide a reliable exchange rate ticker. If that is the case, exchange owners can also manually set an exchange rate themselves.

The Market Maker is optimal for new ICO tokens or unknown cryptocurrencies because liquidity cannot be drawn in from external exchanges when there is no listing.







2.1.1.2 API External Exchange

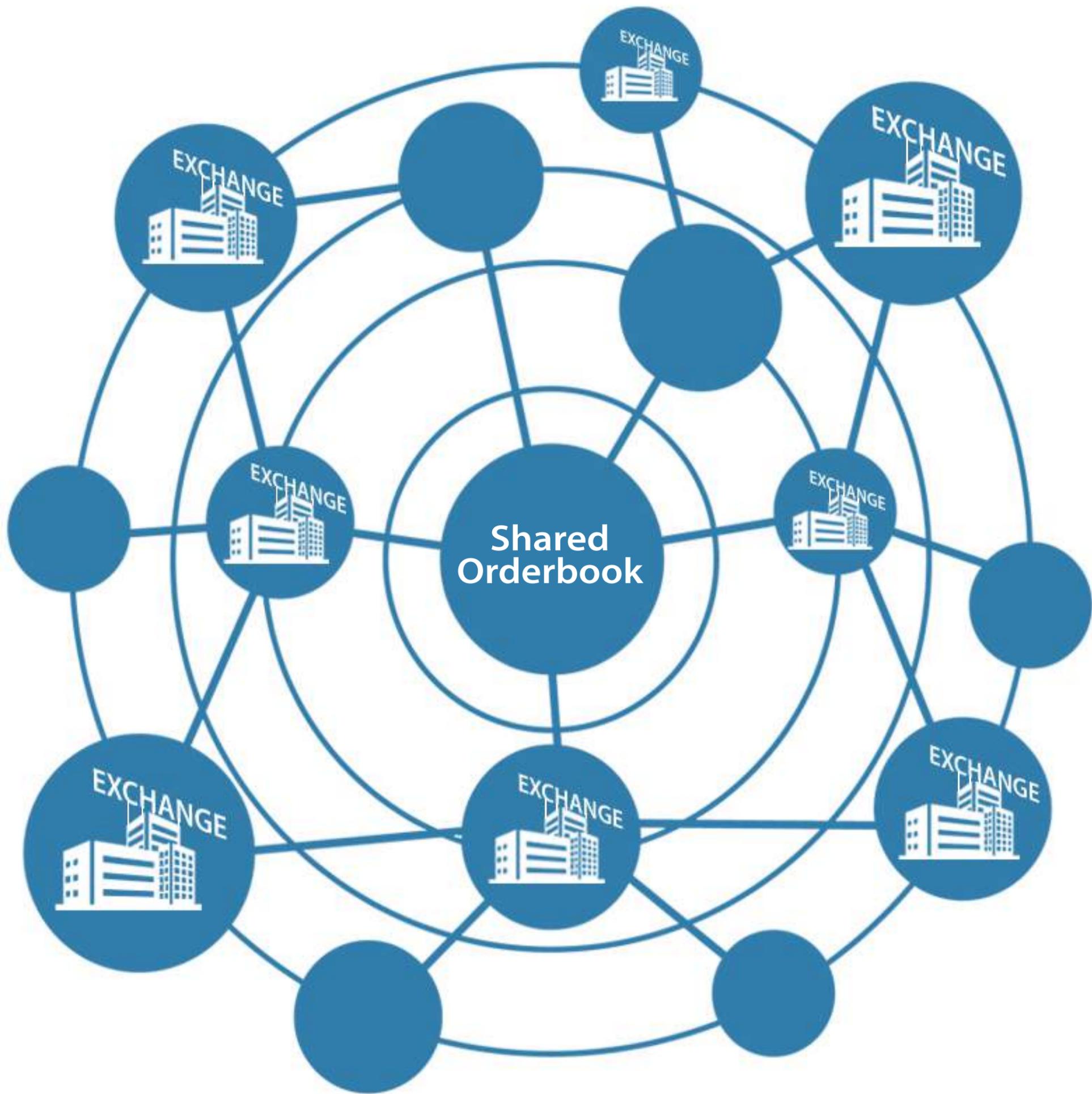
Liquidity can also come from connecting your exchange to an already established exchange (BitMarket, Bit-Stamp, Kraken, itBit) via API.

The orderbook of your exchange will then additionally list buy and sell orders that have been published on the connected exchange. The additional trading fees that accumulate from matching orders on connected exchanges, will already be included in the orders.



In order to ensure that the orderbook contains exclusively valid orders, the exchange remains in constant connection to the external exchange and continuously updates the orderbook in short time intervals





2.2 Security

In order to ensure maximum security, draglet's exchange software features multiple layers of security precautions.

1) Server architecture

The first layer utilizes multiple separated servers for the components of the exchange software. The exchange client, engine, admin interface, and the wallet operate on separate servers.

2) Encrypted user access

A specially developed process puts another encryption layer between the end-user (trader) and the wallet. When the end-user wants to withdraw funds from the exchange-wallet he is required to enter his account-password once again.





This prevents scenarios where a malicious attacker could hijack an ongoing account-session on the exchange and withdraw funds without any additional verification procedure in between. The account-password will be encrypted through a Secure Hashing Algorithm that ensures that nobody (not even the exchange owner) will ever recover the end-user's password.

3) DDOS resilience

draglet managed Platform run with DNS failover to provide DDOS resilience and fast failover. In case of server outage, the failover time is at 180 seconds (depending on DNS TTL). Geo IP routing provides super fast access for customers world wide by routing traffic according to their geo position.



2.3 Modules

draglet's exchange software consists of 5 core modules that constantly interact with each other but work independently.

Together, these modules form the building blocks of our exchange software. The 5 modules are:




 **cxClient:**

The cxClient is the frontend user interface of the exchange. It is responsible for rendering everything that traders see on their browser. It allows users to signup, login, place buy/sell orders, view their trade history, view balances, deposit/withdraw digital assets, and view charts. The cxClient handles all end-user (trader) interactions. The cxClient module is highly customizable. We can easily implement new responsive designs, layouts or functionalities. Moreover, the cxClient also features google authentication and email based two-factor authentication to make end-user accounts more secure.


 **cxEngine:**

The cxEngine is the trade engine of draglet's exchange software. The trade engine is the "machine" that processes all trades on the trading platform . It is responsible for providing the data in the order book, matching buy/sell orders, executing transactions and calculating trading account balances.

 **cxAdmin:**

The cxAdmin allows exchange owners to control and manage their exchange through an administration panel. It is the equivalent of a business intelligence and management software. Within the administration panel, exchange owners can, for example, approve deposit/withdrawal requests, manage KYC requirements, create and answer support tickets, setup new tradable instruments, modify trading fees, and manage cold storage functionalities. To prevent any unauthorized access, the login access to the cxAdmin is routed via secured VPN servers.



cxWallet:

As the name suggests, the cxWallet portrays the wallet of draglet's exchange software. It is the place where all cryptocurrency funds are stored. In addition, the cxWallet is also synced up with each cryptocurrency's respective blockchain. It runs on a separate server to shield the wallet from potential attackers. Cryptographic processes secure all communication with the cxWallet providing symmetric encryption of wallet commands. The cxWallet also integrates our deep freeze functionality that enables the automated transferring of of crypto funds to predefined multi-signature cold storage addresses.



cxServer:

The cxServer is the API interface between all the other modules. Communication between each module runs through the cxServer. In other words, it is the bridge that ties all modules together. Multiple instances of cxServer can be deployed to distribute the work load and scale up the system. This is useful because it minimizes downtime and allows automatic switchovers in case of DNS failover.



Customization

The flexibility of the exchange software provides more than enough room to customize individual features.

Customers can, for example, develop their own user interface or implement specific languages or currencies they desire, or even add a mobile application. Moreover, you can choose between hosting the exchange software on your own servers or let us do the hosting. If you don't want to get involved in the technical details, assigning us to host and set up the software is the ideal solution. However, if you do possess the technical knowledge, you can also setup and host the exchange software on your own.





draglet's exchange software is micro-service based and each micro-service can be used or substituted with an external solution. A variety of add-ons and additional services are available to further enhance the functionalities of the exchange software. If there is a functionality that you are personally missing, we can easily enhance our software features to perfectly tailor the software to your specific demands.

3. ICO Services

Launch Your ICO

draglet also provides sophisticated initial coin offering (ICO) solutions that include token creation & distribution, ICO platform hosting, landing page design, and smart contract development.

What's characteristic about our ICO launch solutions?

Maximum Security:



As veterans of crypto-exchange software development, we understand the importance of security. Our software's multi-layered security system provides our exchange partners the strongest protection at all times. Our ICO crowdfunding infrastructure implements that same system.

Trading and Liquidity:



Most ICO crowdsales are only open for 3-8 weeks, but draglet's services don't stop there. Many ICO holders want a custom exchange so their coins can be traded after the official launch. draglet has been developing cryptocurrency exchanges since 2013, and we can develop an exchange tailored to your project's needs.

Simplified Funding:



Most ICOs require participants to download an entire blockchain and set up a local wallet. This can exclude investors who are less technically savvy, seriously restricting the market for support. draglet's ICO system facilitates multi-currency funding from a wide variety of platforms, whether it's an exchange trading account or hosted wallet like Coinbase or BitPa



3.1 ICO Service Features

Multiple Addresses Prevent Hack Attempts

Since ICOs can generate a huge amount of capital, they have become highly prone to malicious attacks. Usually, the most vulnerable spot is the centralized funding address. If this is breached, hackers can acquire the entirety of the funds in an ICO. draglet's ICO platform requires participants to create individual accounts with their own addresses. By giving a unique address to every funder, we prevent bad actors from accessing all funds at once.



Multi-Currency Funding

Although most ICOs only allow funding through Ethereum, we support investments with multiple currencies

Custom Tokens Through Smart Contracts

ICOs are usually based on smart contracts. Smart contracts determine the creation and distribution of ICO tokens, dividend payouts, and the exchange rate between currencies and tokens. The content of smart contracts is flexible and depends on the issuer's needs. We work with you to develop contracts that perfectly match your requirements





Protection Against Token Loss

Sending and receiving ICO coins requires investors to use the cryptographic information of their private wallet keys.

If they lose this information, they lose access to their funds, placing a huge amount of responsibility on the user. Our platform offers each investor their own individual account, with unique login information and funding address. This ensures that investors can recover their coins in the event that they lose their private access. Additional safety features that use email and Google authenticator add extra security to each account



Custom ICO Landing Page Design

Our designers craft elegant and easy-to-navigate ICO landing pages that pique the interest of potential investors. Having a well-designed web page is critical to the success of your ICO. draglet's design team knows how to work with your ideas to develop the perfect page for your ICO.

Hosting and Fund Administration

We simplify the process by taking care of the administrative details of your token crowdsale. And our ICO platform features a detailed admin panel that offers you up-to-the-moment information on where funds are coming from.





KYC Verification

Some countries regulate cryptocurrencies to prevent cyber crime. In these places, ICO issuing companies are generally required to implement “Know Your Customer” (KYC) verification procedures in order to launch ICOs. Our ICO system cohesively integrates customizable KYC procedures into its platform. If these are implemented, participants must be asked to upload authenticating documents, such as a photo of their ID and proof of residence, to verify their identity.

4. Smart Contracts

Businesses are built on contracts, hundreds and hundreds of them. Traditional contracts require legal writing and many layers of human approval before they are legally binding. They're time-consuming, expensive and often open to opposition.

Smart contracts do away with these problems. They are contracts written in computer code and published to a public blockchain network. The result is a contract capable of automated facilitation, execution, and enforcement of the legal agreements .

Every smart contract is different and requires individual code. draglet's ethereum team has been involved in the development of smart contracts since its beginnings in 2015.





Our smart contract consulting procedure can be broken down into three phases:

1) First, we consult with clients and determine if a smart contract makes sense at all.



2) Next, we discuss and record the client's requirements.



3) Lastly, we develop the smart contract and deploy it on the blockchain.





Application Example: Supply-chain

While smart contracts have revolutionary potential for changing the way we do business, the big challenge is implementing contracts that are fair, feasible, and responsive to changing situations. Take, for example, a project in public health supply chain management that we're currently implementing.

Supply Chain and Product Management System for medication products

Public health relies on good supply chain management to make sure drugs and medical supplies arrive on-time, in the right place, and are high-quality products.





The field currently faces a huge threat of counterfeit drugs entering into the supply chain at various stages. These problems can be mitigated using a blockchain-based supply chain management solution.

We begin by giving unique identifiers to the products and shipments in the supply chain, using QR codes to make the products in the chain easily searchable for all parties. Then, we sort and label these products by their position in the supply chain (raw materials, factory warehouse, in-transit, etc.). We store this product data on a private blockchain that uses proof of authority consensus to secure the data and prevent manipulation. By moving the product data to the blockchain, anyone with access can verify and audit the actions, increasing transparency of the complete supply chain and preventing counterfeits and fake products since they can easily be tracked digitally.





In order to access the private blockchain, stakeholders in the supply chain receive a unique admin panel that allows them to update the status of items in their section of the supply chain, while limiting access to other sections. A product inspector, for instance, would log into the admin panel to certify that a product is legitimate using his/her unique inspector ID. In order for a product to proceed in the supply chain or change its current status, the smart contract requires multiple cryptographic signatures from all the relevant stakeholders.

This smart contract model can apply across various industries, where we need to track complex movements and verifications of products, resources, digital goods, or other items.





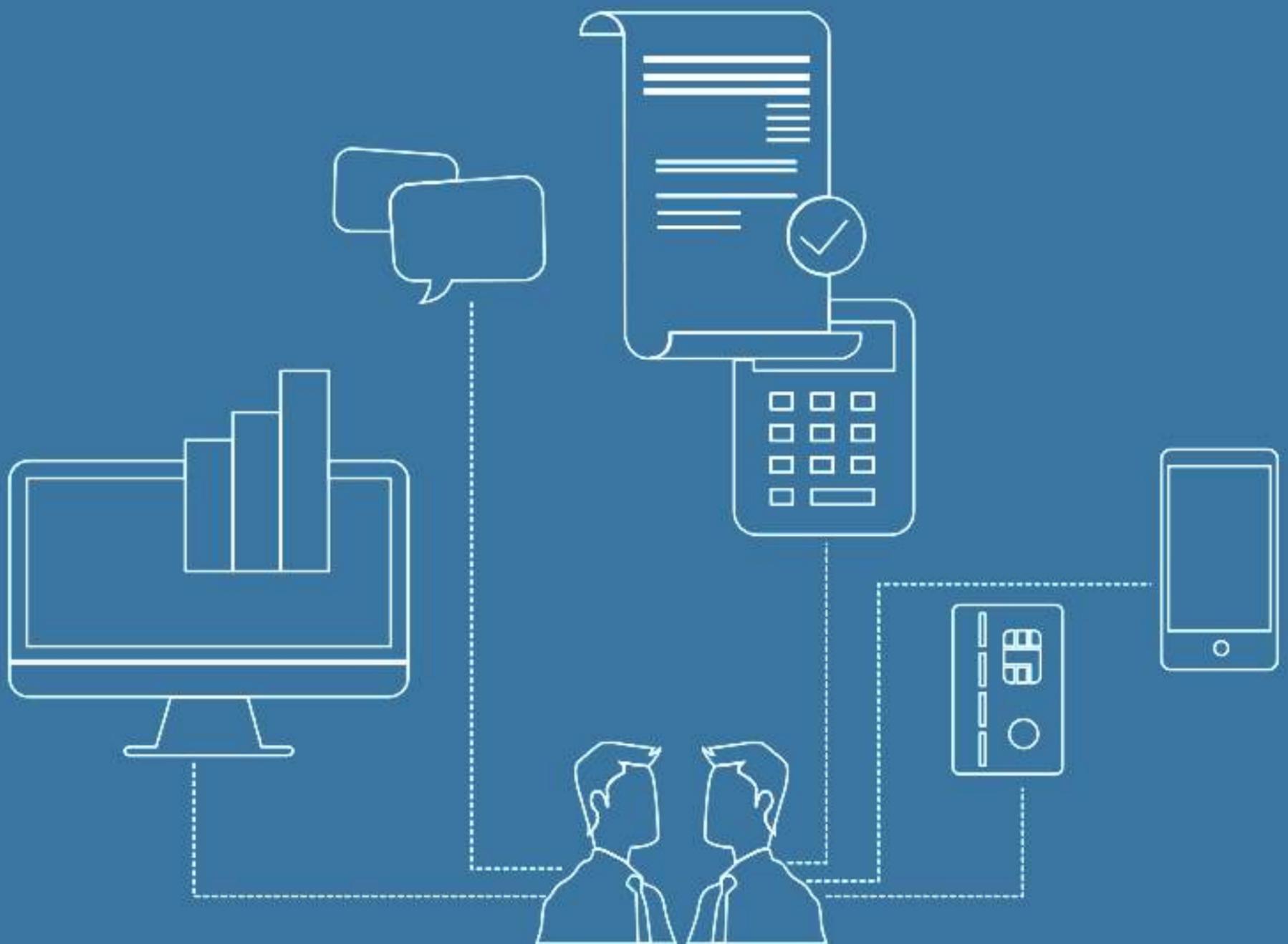
Each party's unique web application allows them to track, bundle, ship, and even cancel items in the supply chain, based on the smart contract's parameters. The distributed ledger makes it easy to investigate issues, and you can even share order tracking capabilities with consumers.

draglet's smart contract templates for supply chains bring the safety and reliability of the blockchain to your supply chain. The transparency inherent in blockchain systems makes it easy to track available inventory, order status, product movements, and complete status information. Our smart contract templates even provide analytics into supply/demand, total in-house quantities and requisitions. Smart contracts enable highly accurate data for even the most complex supply chains.



5. Blockchain Consulting

Blockchain is the future of data and value management. Consult with us and our team of developers will get to work to make your business part of the technological revolution.





Our mission is to make Blockchain technology available to everybody. That is why we are offering blockchain consulting to help you transform your business.

Although blockchain technology has been around for a quite few years now, the interest behind it has been rather modest. It has only taken off recently due to the steep rise of the bitcoin price.

With the introduction of ethereum smart contracts and decentralized apps, the possibilities of applying blockchain technology has literally become limitless.





Due to its complexity, however, many organizations have problems finding the right team to help them implement blockchain technology into their business case. Fortunately, we at draglet have a team of expert developers who have been in the blockchain business since its beginnings.

We help you evaluate whether it makes sense to implement blockchain technology and come up with best-practice solutions.



