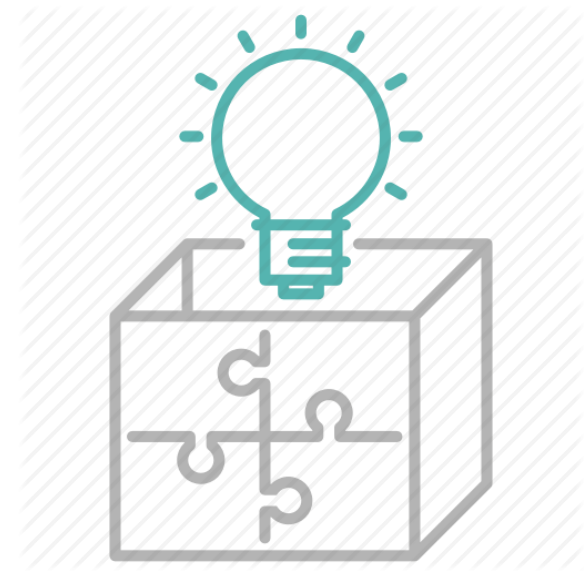




Multi-service based trading platform

Turnkey solution of crypto exchange



Crypto market overview



The Digital Economy is growing. The Digital Economy is the economic activity based on digital technologies. The Digital Economy includes the on-line sales of goods and services (e-commerce) as well as the on-line platform and infrastructure for commercial transactions (e-business). In 2012, the Boston Consulting Group assessed the potential of the Digital Economy of the G20 countries alone at \$4.2 trillion (USD).



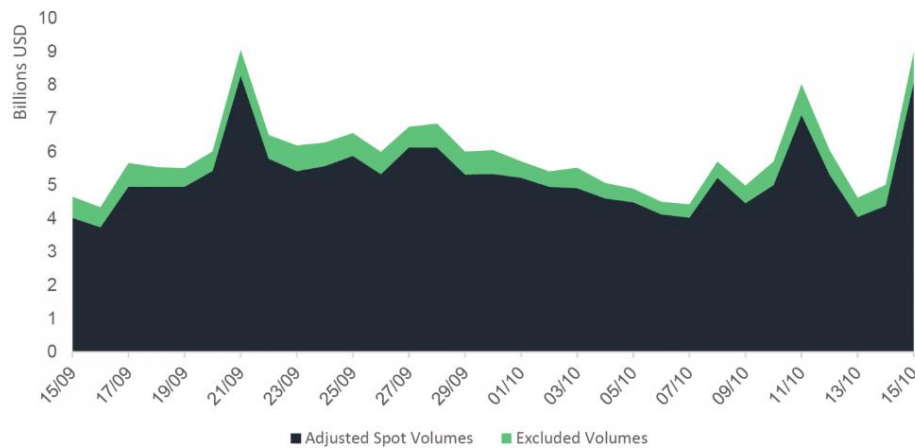
The market capitalization of cryptocurrency has grown more than 2 times since the beginning of 2019, partially restoring the previous fall

In 2012, the Boston Consulting Group assessed the potential of the Digital Economy of the G20 countries alone at \$4.2 trillion (USD). Furthermore, in 2015, Oxford Economics and Accenture's joint research concluded that by 2020, the Digital Economy will contribute to the global gross domestic product by \$1.36 trillion (USD). On-line purchases are the new norm and new digital goods and services are being offered every day. These developments spur the growth of the Digital Economy. Currently, the Digital Assets (cryptocurrency) is the primary driver for the world's economic growth.



The growth of the cryptocurrency market entails an increase in conversion operations on cryptocurrency exchanges

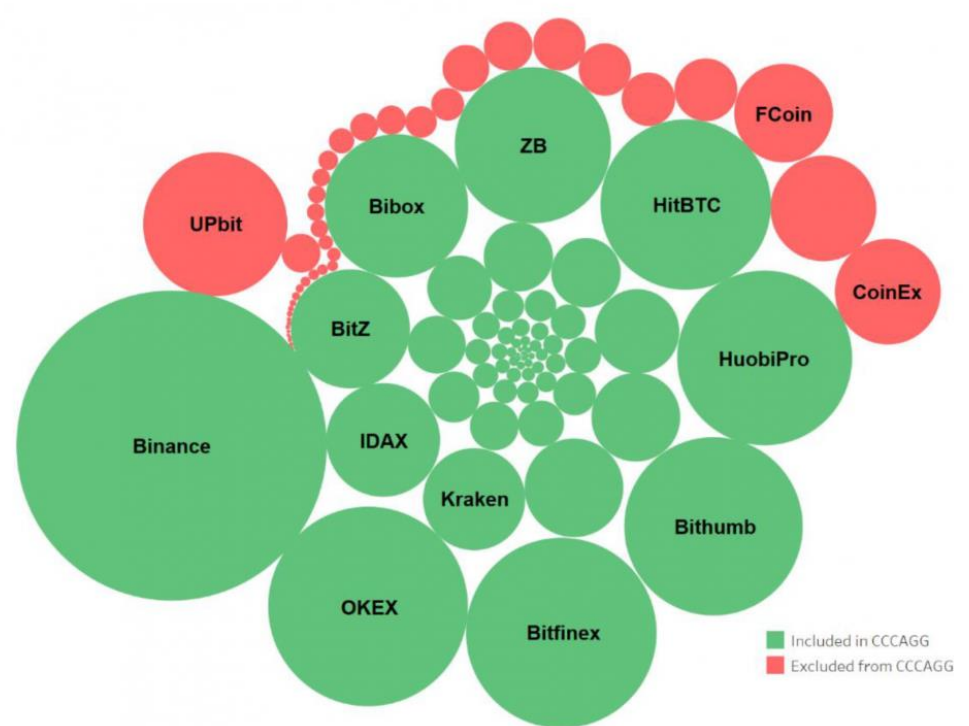
Adjusted Historical Spot Volumes



\$1,151,136,341

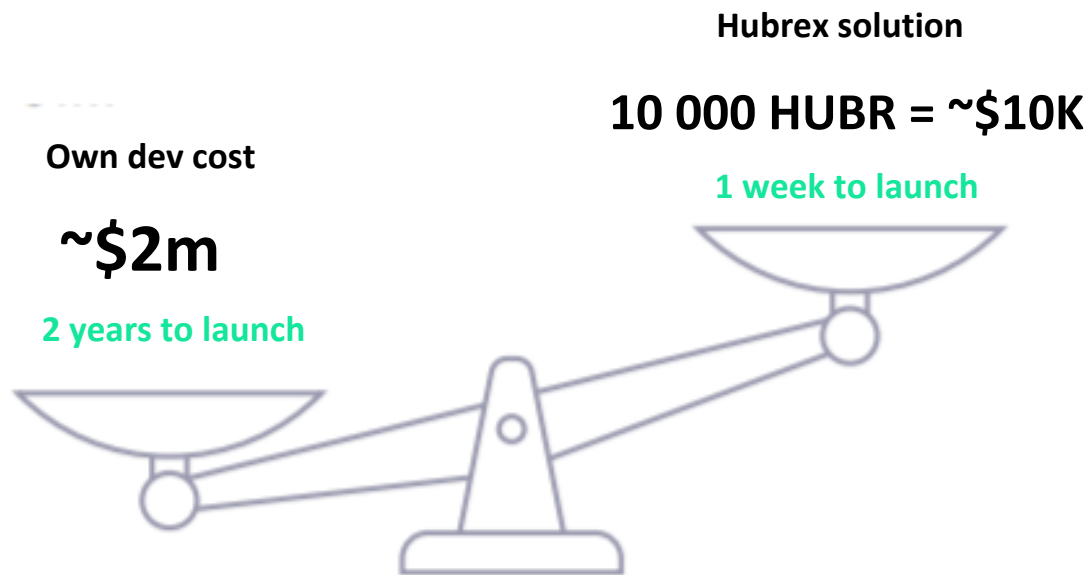
Bitcoin Spot 24 hr Volume

Updated hourly. Data as of: 05/19/19 8am ET.



Exchange startup costs

How much time and money would it take to launch an exchange on your own?



Development costs before launch (own development)

Solving problems for real users, deploying scalable and robust infrastructure, crafting great user experiences and driving sustainable businesses.

\$50 — 100k	2-3 month	analytics, requirements, recruiting
\$1.5 — 2m	1-2 years	IT development
Total: ~\$1.8 m		

Operational expenses per month (with own tech support)

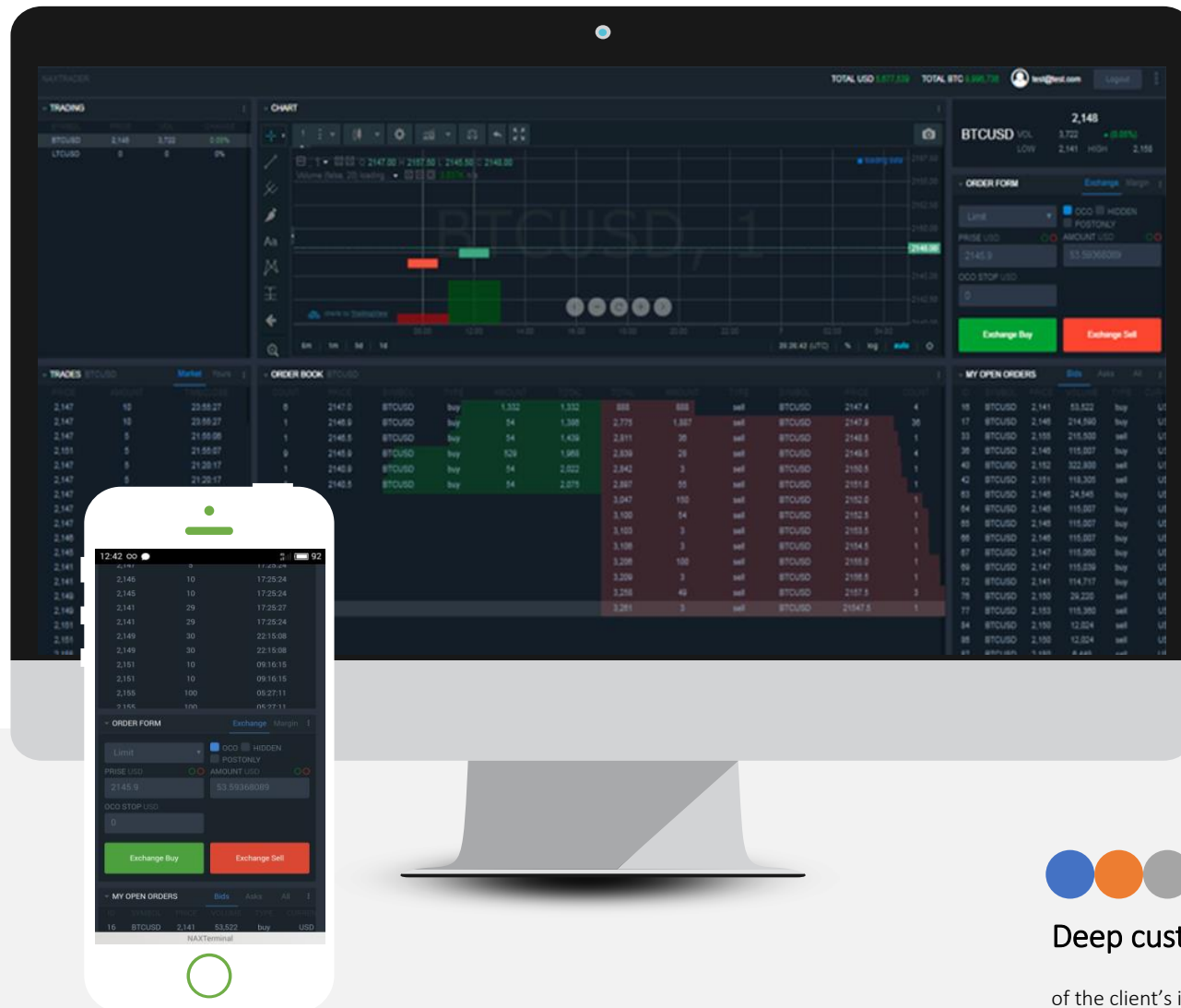
\$50 — 70k	technical support, development, new features, bug fixing, maintenance
\$10-20K	Production / development environments
Total: ~\$60K	



Our solution



Hubrex exchange solution



Adaptive adjustment

of the terminal for the resolution of the client device



User friendly

Simple and understandable UI in combination with high speed and rich functionality ensure pleasant trading experience for your clients.



Short time to market

Hubrex is ready-made exchange and trading platform which can be customized and deployed in a couple of weeks.



Deep customization

of the client's interface for customer with branding and color customization

Advanced technology for business



Fullset of trading function

Adaptive and convenient terminal, powerful analytical engine allows customers to make transactions without prior training



Multifunctional Administration panel

The admin panel allows you to manage all the activities of the exchange. Control of users and transactions, management of deposits and withdrawals, wallets, commissions and other



System security and high performance access systems of an exchange engine

Built on rule-based, distributed, fault tolerant technology, making it highly reliable, scalable, and flexible

Hubrex platform combines advanced technologies, such as an individual adaptive interface for each user, a powerful calculation core, an analytical engine.

A multifunctional exchange and trading platform supporting all popular crypto assets and enabling a complete ecosystem for various business models.

The platform implements the basic standards of the Cryptocurrency Exchange industry, using the experience of TOP sites.

Overall, this creates significant competitive advantages, allowing them to attract customers and maintain their loyalty to the site at the high level.

Exchange engine of Hubrex platform



Flexibility

The structure of the Exchange engine allows adding modules and making modifications

Safety and stability

The exchange provides for a multi-level security system. The exchange engine has a database logging and recovery system (Back UP)

Safety and stability

The exchange engine allows processing up to 1 MLN customer orders per second

Main components

Matcher

- / Reliable matching engine with unmatched performance
- / Well-honed business logic, up to the smallest detail
- / Updated monitoring services and control mechanisms to manage all aspects of the exchange and market
- / Supporting up to 3m TPS with system throughput: up to 1M orders per second (including database locks, balance confirmation, balance locks)

KYC service

- / Business logic implementation
- / Integration with external service via API connection

Fiat payment gateway

- / Universal business logic to integrate any payment service provider

API

- / Cross-function API for trading, deposits and withdrawals
- / Open source (can be re-written in any language)
- / Implements business logics

Notification service

- / Push-notifications module
- / E-mail notification module
- / Triger system

Authorization service

- / A separate service for user data storage as well as compliance with recent data storage regulations (GDPR).
- / Supports 2-factor authorization (uses notification module)

Logs and monitoring

- / Stackdriver based logs and monitoring. Includes tracing and profiling in production.

Market data services

- / Storing and processing of market data (OHLCV, Volume, etc.)

Exchange technology

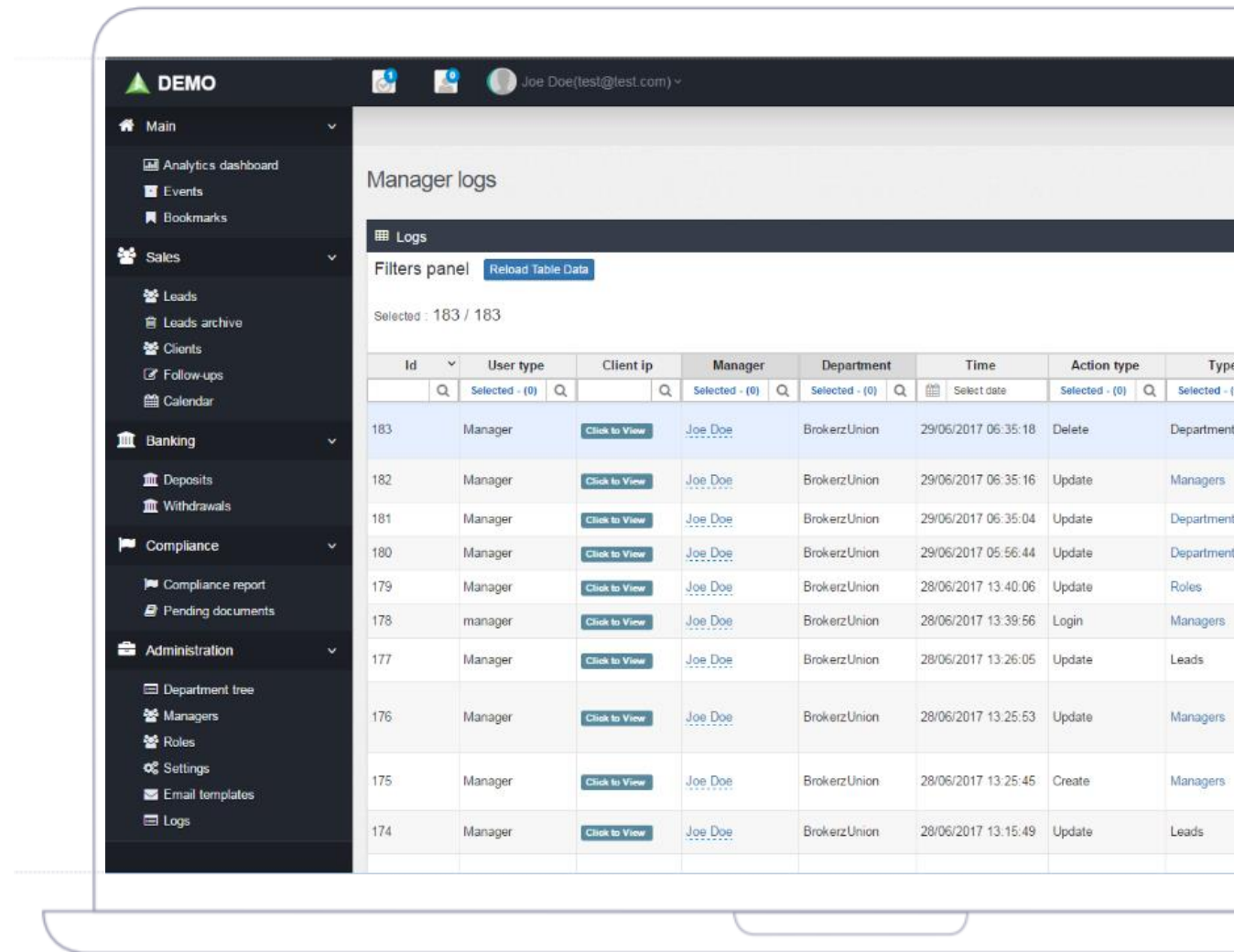
Microservice-based architecture, all services are isolated and independent from each other.

- / Provides high level performance as well as scalability
- / Services are described in profiles using pseudocode, which is used to generate actual code (NodeJS, ReactJS, MySQL and etc)
- / Optimized transaction processing system with load scaling
- / Any service can be easily re-written and documented



Gain full control with a powerful back office

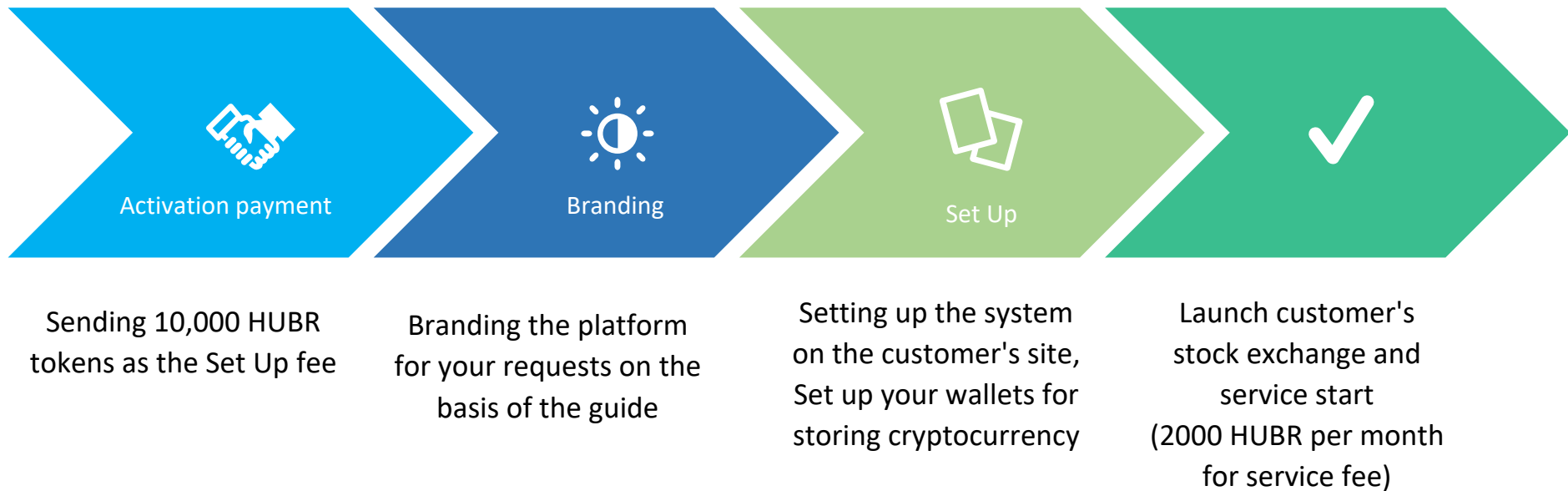
- / Analytics and monitoring
- / Sales and marketing
- / Banking and payment systems
- / Management of deposit and withdrawals
- / Notification control panel
- / Administration
- / KYC service
- / Fee control



Launch your
own exchange



Launch your exchange in 1 week



To start the exchange, you need write to start@habrex.io