



Crypto Exchange Rating Report





Shulian Ratings | OKEx. : BBB

Total Score: 65.31 credits | Outlook: Developing | Time: 9th. Nov. 2018

Rating Results

Strength Index: 85.69 credits

Popularity Index: 61.12 credits

Liquidity Index: 81.60 credits

Security Index: 45.48 credits

Introduction (Exchange)

OKEx. was founded in 2012 by Mingxing Xu, the company registered address moved from Belize to Malta on 2nd July 2018. The new registered name is ACX Malta Technology Company Limited and holds the MSB license from USA and Japan.

OKEx. provides 8 languages and cryptocurrency and derivative trading services for digital assets. It also supports fiat currency trading, contract trading and index trading, 0.15% for transaction fee. Platform token is OKB which can be used to pay platform fee, financing interest, participating in OKEx. token listing voting. OKEx. also provides investment banking services and develops OKB public chain independently.

Strength Index

- ◆ **Strength:** Founder Xu Mingxing is the founder of OKcoin and the former CTO in Douding. Official website reveals other 12 core members in OKEx. CRO used to work in the Federal Reserve Bank. Operating and business leaders all have experience in well-known companies such as Groupon, JPMorgan Chase, Hong Kong Barclays Capital, etc. The overall strength of the team is strong.
- ◆ **Profit:** According to the third-party, the revenue was approximately US\$220 million in the 2018 first half. It is profitable and provided strong financial support to public chain and ecological development.
- ◆ **Financing:** OKEx has received millions of dollars investment from Tim Draper; in 2014, OKEx. received the \$10 million investment from Ceyuan capital and Longling in Round A. In 2017, it is financed from Giant Group and Qianhe Capital. The capital is strong.

Popularity Index

- ◆ **Popularity:** There are 188,000 Twitter fans, 89,000 members in telegram groups, and 15,000 Facebook followers, Weibo fans are more than 300,000. Overseas popularity is still slightly lower than that of Binance, but conversation is active.
- ◆ **Visit:** Recently, the average daily UV (307,200) and daily average PV (1.935 million) is very high.
- ◆ **Dispersion:** Users are mainly concentrated in Asia. User IP is mainly distributed in Japan (41.00%), China (35.20%) and South Korea (7.6%), high concentration.



Concerns

There have been many issues such as rollback, stolen money, and bankruptcy in OKEEx. which has enormous social impact. Xu is thus very controversial, he was even once punished for 24 hours administrative detention because of mass rights protection event. The exchange may be negatively influenced.

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Liquidity Index

- ◆ **Volume:** Trading volume is very large, the average daily trading volume has stabilized at around US\$400 million in the last 30 days, it is only lower than Binance.
- ◆ **Tokens:** the number of listed tokens is 190 currently, the number is only lower than HitBTC and Bittrex. Ecological construction is very good, ranking third in this evaluation rating report.
- ◆ **Dispersion:** The transaction is relatively highly fragmented. The two largest trading pairs (BTC/USDT, BCH/USDT) accounted for 32.46% of the total trading volume on November 6, the average transaction volume in other currencies (excluding the two most traded currencies) is \$1,447,800, which is in the upper level in the 50 exchanges. The liquidity in other token is relatively high.

Security Index

- ◆ **Security Corporations:** OKEEx. has cooperated with Manwu Technology, Chain Safety Technology, etc.
- ◆ **Security Issues:** There have been many issues such as rollback, stolen money, and bankruptcy in OKEEx. which has enormous social impact. nearly one hour of extreme trading occurred in March 2018; on September 5, 2018, BTC in OKEEx. has been plunged suddenly, users could not log in to the platform or APP; on October 2018, many accounts on the OKEEx. platform was stolen, the loss was about ¥20 million.
- ◆ **Other Ratings:** ICORATING scored 47 credits for OKEEx. (ranked 42th) in its *Exchange Security Report*, considering console errors, user account security, registrar and domain security, web protocols security.
- ◆ **Chainshells:** Other security dimensions please read Chainshell's security report.

OKEX.

Security Evaluation Report

Shenzhen ChainShells Technology Co., Ltd

Target of Evaluation (TOE): OKEX

Software Version: V2.1.2

Security Capability Score, Business Perspective: 64

Security Capability Score, Product Perspective: 70

Evaluation Date: October 2018

Summary of Evaluation:

This security evaluation is consisted of seven parts: security of mobile installation package, security of components, security of privacy information, security of protocol, security of process, security of mobile application, and account security. In each part, the TOE was fully evaluated for its mobile application and its relevant server interface from different perspectives. The evaluation results are classified into five security levels: A(very secure), B, C, D and E. Based on the evaluation of these seven parts, the security capability score summarized as two perspectives: business and product.

The following is a brief description of each part of the security level and situation:

Security of mobile installation package	Security of component	Security of privacy information	Security of protocol	Security of process	Security of mobile application	Account security
D	C	C	D	C	C	C

Security of mobile installation package (D)

This part mainly evaluates the mobile installation package security from the basic code architecture perspective.

A lot of high-risk vulnerable points are identified in this section. OKEX' s mobile installation package has security risks such as debug log function calls.

Security of component (C)

This part mainly based on comprehensive testing of application component configuration from the perspective of application component security usage.



Some high-risk vulnerable points and some medium-risk vulnerable points are found in this section. The application has the security risks such as the page could be maliciously invoked by a third party program and etc.

Security of sensitive information (C)

This part mainly evaluates the method used to protect the user's sensitive information.

Some high-risk vulnerable points are found in this section. The application has security risks such as leakage of sensitive information of the users.

Security of communication (D)

This part mainly evaluates the security of communication between the application and the server.

A lot of high-risk vulnerable points are identified in this section. The application has security risks such as the unpacked analysis of the transmitted data.

Security of process (C)

This section focuses on the security of the application runtime process and detects the process protection status.

Some high-risk vulnerable points are found in this section. The application has security risks such as malicious code injection.

Security of mobile application (C)

This part mainly evaluates the application usage from the perspective of application health.

Some high-risk vulnerable points and some medium-risk vulnerable points are found in this section. The application has security risks such as tampering the transaction information.

Account security (C)

This part mainly evaluates the protection of application account of the exchange users.

Some high-risk vulnerable points are found in this section. The application has a security risk of information leakage such as user passwords.



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