**悉尼大学红腹区块链，交易处理速度全球领先**

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*“红腹区块链在最新测试中每秒处理了66万笔交易，远远超越了Visa的支付处理系统，也比预期速度超出50%。”*

澳大利悉尼大学研发的新型区块链技术，“红腹区块链”（Red Belly Blockchain），在其最新测试中，仅凭300个节点每秒就处理了66万笔交易。这一结果显示，该区块链处理金融交易的速度比预期超出50%，而且超过支付巨头Visa。

“红腹区块链”以澳大利亚当地的红腹黑蛇命名，是首个构建在公有和私有环境中工作的区块链技术，即可服务于广大的互联网用户，同时也可以用于仅向特定用户开放的产业环境，可以确保每秒对源自于无限数量客户端的数十万次交易进行安全处理。

众所周知，近年来，比特币区块链饱受争议的一点是其交易负荷量问题，技术上每处理一个交易就要耗费大量的算力。而“红腹区块链”的目的就是在交易处理方面解决并击败大多数加密货币的当前遇到的技术问题。

在今年上半年的一次测试中，红腹区块链在100台机器上每秒处理了超过44万笔交易，而Visa支付系统每秒处理56000笔交易，这在很大程度上已经是非常大的进步。如今的测试结果每秒66万笔交易更是在原来的基础上更上一层楼。

对于一些大型金融公司来说，这一重磅消息有可能激发他们引入或研究自己的区块链来提高竞争力。而这无疑也会让大众更加追捧区块链技术，同时带动更多人成为区块链技术的爱好者并加入到研究区块链的浪潮中。

标签：区块链； 支付；红腹区块链

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**Red Belly Blockchain Boasts the Fastest Network Worldwide**

Author: Xue Xu Oct 27, 2017

“Red Belly Blockchain can process 660,000 transactions/sec in the latest tests, much quicker than the Visa network and 50 percent faster than first anticipated.”

“Red Belly Blockchain”, a new model of blockchain developed by researchers at the University of Sydney, Australia, processed more than 660,000 transactions per second on 300 nodes in the latest tests. The result shows that the Red Belly Blockchain can process financial transactions 50 percent faster than first anticipated and quicker than Visa, a giant payment network.

“Red Belly Blockchain”, a reference to the Australian snake of the same name, is the first blockchain being built to work both in public and private contexts, which means it can serve Internet users and also can be used in an industrial environment restricted to certain users. This ensures that it can safely process hundreds of thousands of transactions per second from an unbounded number of clients.

It is known to all that Bitcoin blockchain transaction has been much criticized in recent years because a single bitcoin transaction requires much computing power, while the Red Belly Blockchain is being built to prevent problems currently faced by cryptocurrency in processing transactions.

One of the tests in the first half of this year showed that the Red Belly Blockchain achieved a performance of more than 440,000 transactions per second on 100 nodes. This is a notable improvement in comparison to Visa’s transaction system, which can process 56,000 transactions per second. The result from the latest test of Red Belly Blockchain has confirmed that a much better performance has been made in this regard than that existing technologies.

Some large financial institutions may have been inspired by the news to start research on their blockchains in order to be more competitive. And this undoubtedly will also make blockchain more popular and motivate more people to participate in the research on blockchain.

Tags: Blockchain; Payment; Red Belly Blockchain

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