



Lotteries in a Digital Currency World

Adopting blockchain and the impact of CBDC

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Blockchain technology is a key component of CBDC. As a result, national lotteries that have already embraced blockchain technology will be better equipped to integrate CBDC into their operations. Furthermore, customers who are already familiar with blockchain technology are more likely to be early adopters of CBDC.

CBDCs: The Future of Money

Central Bank Digital Currencies (CBDCs) have garnered significant attention in recent times, with a growing number of governments worldwide contemplating their own digital currencies. Government bodies and central banks are currently studying and testing digital fiat currency as a means of unlocking numerous benefits, including financial inclusion, economic growth, technology innovation, and increased transaction efficiencies. According to McKinsey (2023)¹, over 90% of global GDP is represented by 87 countries that are currently exploring CBDCs. The potential advantages of CBDCs include faster transactions, increased efficiency, and reduced costs. Moreover, CBDCs could revolutionize financial transactions across various sectors. CBDCs are digital versions of fiat currency issued by central banks. The impact of CBDCs on businesses will be significant, and they could transform the industry landscape in many ways.

CBDCs could help businesses improve payment efficiency by enabling real-time transactions, thus eliminating intermediaries such as banks and payment processors. They could also reduce transaction costs for businesses as they eliminate the need for physical cash handling. In addition, CBDCs could provide a more inclusive financial system, accessible by anyone with a mobile phone and internet connection, thus catering to those currently excluded from traditional banking systems. CBDCs could enhance transparency in financial transactions, as every transaction would be recorded on a public ledger, reducing the risk of fraud and corruption. CBDCs could also enable regulators to monitor financial transactions more effectively, as they would have access to real-time transaction data, enabling them to prevent financial crimes such as money laundering, terrorism financing and tax evasion.

CBDCs: Transforming the Landscape of Financial Services

The adoption of CBDCs is a rising trend, which has gained considerable momentum in recent years. The launch of China's digital currency, the Digital Yuan, in 2020 marked the first instance of a country launching its own CBDC. Following suit, other nations, including Sweden, the Bahamas, and the Eastern Caribbean, have also rolled out their own CBDCs. It is evident that CBDCs are the future of money, with more governments coming onboard to explore and embrace this new form of currency. The increasing popularity of CBDCs has been driven by various factors, including the desire for more efficient and secure payment systems, greater financial inclusion, and the need to stay ahead in the digital economy. An early look

¹ McKinsey Insights, <https://www.mckinsey.com/featured-insights/mckinsey-explainers/what-is-central-bank-digital-currency-cbdc>

at lessons from China's CBDC provides potential benefits such as encouraging financial inclusion by allowing users to download digital wallets without a bank account, supporting know-your-customer protocols, reducing compliance costs for banks, and simplifying government programs like distributing subsidies.

CBDCs are designed to function as a digital equivalent of physical cash, with the added benefits of being more secure and accessible. Unlike cryptocurrencies, CBDCs are backed by central banks and are therefore less volatile. This makes them more suitable for everyday transactions and for use in regulated industries such as the lottery industry.

Governments typically launch their CBDCs through a pilot run in government sectors and public services before releasing it to the public. This approach allows them to test the CBDC's functionality and identify any potential issues before making it available to the public. For instance, the Central Bank of the Bahamas conducted a pilot run of its Sand Dollar CBDC by initially distributing it as payment for government services and social welfare benefits during the COVID-19 pandemic.

CBDCs and Blockchain Technology: The Future of Lotteries

The adoption of CBDCs across various sectors is expected to gain popularity. The retail, banking, and gaming industries have been among the early adopters of CBDCs. This trend is not surprising as CBDCs provide significant benefits, such as faster transaction speeds, reduced costs, and increased financial inclusion. By leveraging these benefits, businesses can enhance their operations and provide a better customer experience.

The adoption of CBDC will bring about a significant impact on national lotteries. The implementation of CBDC in the lottery industry will offer several benefits, including faster, more secure, and streamlined transactions for purchasing lottery tickets and collecting winnings. Furthermore, the use of CBDC in the lottery industry will improve customer experience by offering a more efficient and seamless payment process and eliminate the need for physical cash and reduce the risk of fraud and other security issues. Therefore, it is crucial for state-authorized lotteries to keep up with this trend and proactively plan for the future to remain competitive.

Blockchain technology is a key component of CBDC. As a result, national lotteries that have already embraced blockchain technology will be better equipped to integrate CBDC into their operations. Furthermore, customers who are already familiar with blockchain technology are more likely to be early adopters of CBDC. As blockchain technology gains more prominence in the digital economy, lotteries that have already introduced blockchain technology to their customers will, therefore, be well-positioned to provide them with a seamless transition to CBDC which is no longer a matter of if, but when.

Evolution of Blockchain: Community to Enterprise to Government

The evolution of blockchain technology has been remarkable. It started as a community-driven technology, with enthusiasts leveraging its potential to create decentralized applications that were not controlled by any central authority. Over time, as the technology matured, it became clear that blockchain had the potential to transform entire industries, and enterprises began to take notice. Today, we see a growing trend towards the adoption of blockchain technology by governments, as they seek to leverage its potential to

improve service delivery and increase transparency.

Given this trend, it is clear that national lotteries that have not yet adopted blockchain technology may need to do so in order to keep pace with the changing landscape. Blockchain technology has the potential to transform the way lotteries operate, making them more efficient, transparent and secure. By leveraging blockchain, lotteries can create tamper-proof records of transactions, eliminate intermediaries, and enhance the overall customer experience.

Moreover, the adoption of blockchain technology by governments will likely lead to increased regulatory scrutiny of lotteries, and those that have not implemented blockchain technology may be at a disadvantage in terms of compliance. By adopting blockchain technology early on, lotteries can position themselves as leaders in the industry, and stay ahead of the curve when it comes to regulatory compliance.

The road ahead

The proliferation of CBDC adoption by governments is poised to have a considerable impact on the lottery industry. In light of this, state-authorized lotteries must adopt a proactive approach to incorporating blockchain technology into their operations. As more and more countries explore CBDCs and begin to pilot and enforce their use in payment systems, state-authorized lotteries must be prepared to integrate CBDCs, in order to retain their competitive edge and meet the evolving demands of their customers. With the future of money being digital, lotteries must be equipped to meet this transition and remain competitive and relevant in the swiftly transforming landscape of digital currencies

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