A LeVeL Paying Field Coin by BitMint

LeVeL

Quantum Safe

Team Showcase

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Solution Description

Solution Description: The LeVeL solution is hinged on the fundamental experience of payor passing a transactable instrument of value to a payee, with no intermediaries, within a community-sanctioned protocol, while leaving to the parties to adjust their privacy to their needs. While the LeVeL privacy is robust, the LeVeL protocol has a built-in route for law enforcement to catch and prevent criminal activity. The LeVeL solution is universal and programmable; it applies to exchanging any financial instrument. Alas, the single most compelling argument in LeVeL's favor is the innovative solution to the threat of quantum computers. It is imprudent to select a digital money solution that ignores the looming threat from quantum attacks. Most actors opt for increased mathematical complexity. We argue that such added complexity is wrong headed. We defend against the quantum threat with algorithmic mutation: each time a coin changes hands it adds another lock for the quantum locksmith to pick. It is the count of the locks that keeps LeVeL coin safe. LeVeL is based on fifteen years of careful design work motivated by the idea that cyber medium money can be fashioned as a most powerful tool to bring about progress, prosperity, fairness, equity and social justice.

Links to the LeVeL Demonstration System:	Link to the LeVeL Video:
HTTP://level-demo.BitMint.com	
https://g-20-level.web.app/home	HTTPS://BitMintcash.com/level-video

Team Inspiration and Motivation: We are a small interdisciplinary team with decades of experience in inventing and implementing innovative technologies worldwide. About fifteen years ago we realized that money stands before a dramatic transformation from material medium

to cyber medium, and started to develop a financial language to enable a smart money management system to suppress money laundering, and to practice financial inclusion, so no one is excluded from the online digitalization revolution, inviting progress and offering new levels of prosperity fully aligned with the noble notions of fairness, equity and social justice. Motivated by this vision and equipped with 35 issued patents and the vast experience we gained from having our CBDC solution implemented by a major banking system, sanctioned by the People's Bank of China, we approach the G20 TechSprint as the proper platform to spread the novel practical ideas of the LeVeL Paying Field, demonstrated here.

Reflections on the Problem Statement: The problem statement fittingly focused on the full process from issuance to distribution, mindful of programmability and control. This indeed is the challenge to do it right so that society can leverage the new form of money -- cyber money -- to advance prosperity, progress, accountability, equity, fairness and social justice. It is consistent with the design philosophy used by the LeVeL designers, as exhibited in the submitted demonstration package and the associated documentation. We considered as value added the need for payment privacy consistent with oversight accountability, and law enforcement. We also considered the added value of the requirement not to ignore the threat of quantum computers, but rather to project an effective defense against the coming quantum attacks.

Next Steps: Our immediate plans are to implement the LeVeL digital solution for unbanked and underbanked populations since the LeVeL solution transforms the phone into a wallet. A newly formed NGO, PayUA.org, has selected the LeVeL as the means to channel world-wide contributions to send weekly payments to Ukrainian refugees around Europe, coordinated with the central bank of Ukraine, funds denominated in the host country currencies. In general we plan to implement the LeVeL CBDC solution in poor and developing countries and propagate from them to the highly developed economies. Being quantum safe ensures the durability and relevance of the LeVeL technology, as it builds itself around the world. We eagerly look forward to the G20 recognition to give momentum to our plans to use the new technology of cyber money to achieve progress, prosperity, fairness, equity and social justice.

Additional Information: HTTPS://BitMintcash.com/level-demo