



A Fiat On / Off Ramp Infrastructure for Mass Adoption of Cryptocurrency

The Emparta Stablecoin infrastructure allows payments platforms, dapps and exchanges to use its API to seamlessly incorporate the minting of stablecoins with fiat deposits.

- 100% fiat-backed and redeemable to enable adoption of crypto in commercial transactions
- Fiat on-ramp for dapps to broaden markets and encourage adoption
- Stable unit of account for smart contract escrow in dapps and payments systems

A stable unit of account is critical for the mass adoption of cryptocurrency. Presently, adoption of cryptocurrency for day to day transactions remains comparatively low. Whilst transaction speeds and efficiency continue to improve, price volatility acts as a disincentive for those seeking to use cryptocurrency as a means of reliable and stable commerce. Emparta solves this problem by offering stability in the local currency backed by a compliant, transparent, audited and redeemable treasury.

The Emparta Stablecoin Infrastructure

Emparta delivers an infrastructure that can be easily incorporated by partner platforms (decentralized applications (dapps), payments systems, exchanges etc.) as a seamless fiat on and off ramp that can convert fiat collateral from a user or partner platform into newly minted stablecoins that are automatically sent to a wallet or a smart contract. This functionality is accessed via an API which executes the functions of the Emparta Treasury infrastructure which is responsible for minting stablecoins from fiat deposits as well as processing fiat redemptions on-demand. The Treasury Infrastructure can be launched in any jurisdiction and mint coins backed by any fiat currency in the world.

This approach opens the door to many different use cases that are integral to enabling broad-scale adoption of cryptocurrency and blockchain technologies (i.e. dapps). These use cases provide unique and innovative ways of collateralizing the treasury.

Many use cases and markets

The Emparta stablecoin API allows partner platforms to easily incorporate a stablecoin into their processes and service offerings while preserving the benefits and efficiencies of cryptocurrency. There are many use cases in which third parties can utilize the Emparta stablecoin infrastructure to encourage adoption of their platforms and, as such reducing the dependency on exchanges as a key channel for stablecoin utilization and treasury collateralization.

Decentralized Applications

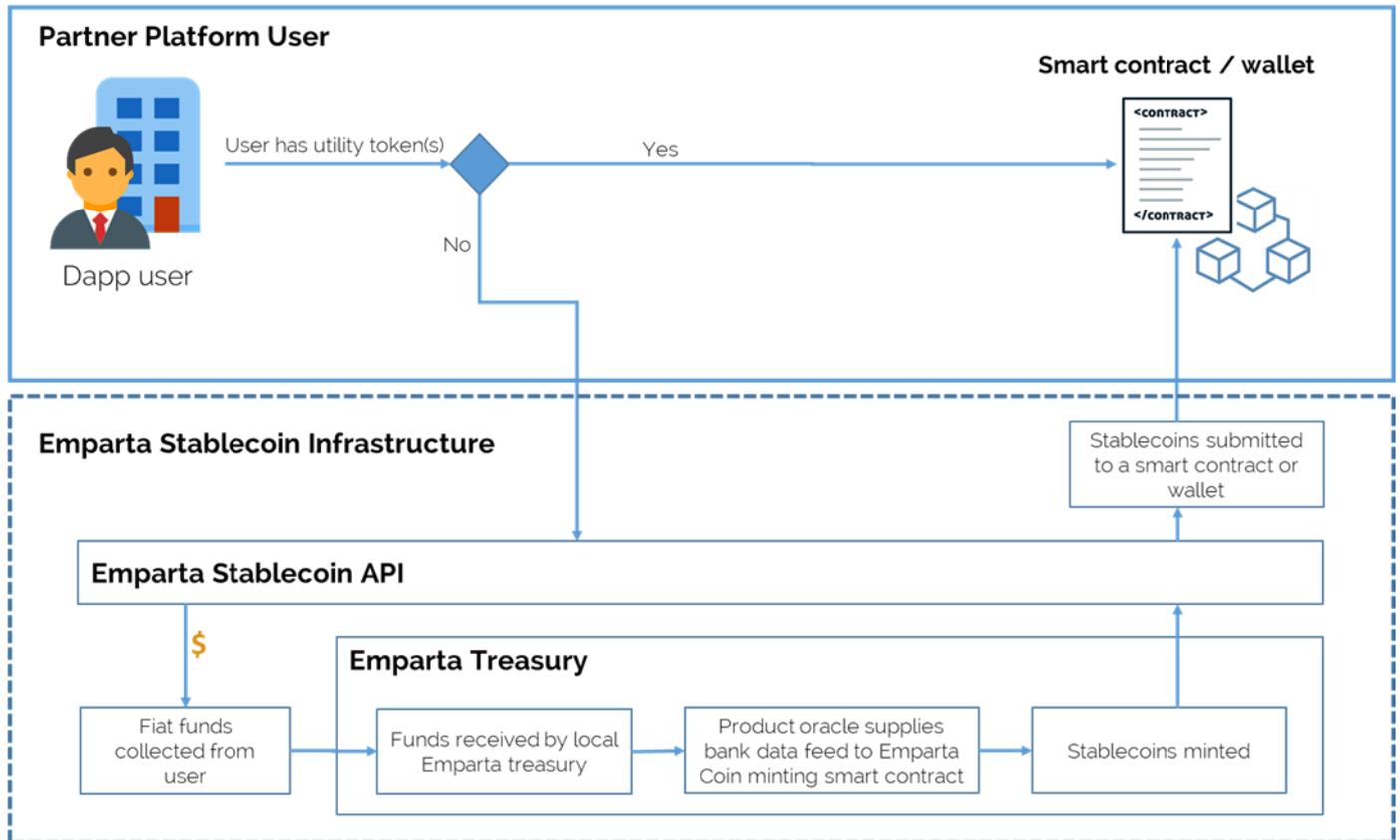
Thousands of decentralized applications (dapps) are either in development or now going live. The ability to send a digital currency to a smart contract with guaranteed, programmable and immutable outcomes has inspired a generation of innovators to establish disruptive technologies that have the potential to deliver enormous value to the community. However,



adoption of dapps is still limited to the crypto-savvy and the full benefits and potential cannot be realized.

Fiat on and off ramps are necessary for broader level adoption of dapps. The ability to pay platform fees etc. in fiat removes a key barrier for new entrants. Emparta provides dapps with a payment method that can receive fiat payments from users to the Emparta Treasury and automatically issue stablecoins to the dapp's smart contract or wallet.

Fiat on-ramp for a partner platform



Trustless Escrow

Many dapps incorporate a trustless escrow service within a smart contract enabling the funds to be confirmed and automatically transferred at its execution event. While this is ground breaking, the fundamental flaw is where the value held in escrow is subject to volatility. A stable unit of account is critical to this process and the Emparta API allows dapps to utilize the Emparta stablecoin seamlessly through a fiat deposit.

Further, centralized escrow services can easily adopt the Emparta stablecoin infrastructure to offer a more secure and sophisticated escrow / trust account service. Escrow payments in fiat can be converted to stablecoins and delivered to an escrow smart contract and released to the counterparty as fiat to a bank account upon execution via the Emparta Treasury redemption function.

Payments Systems

Commercial enterprises remain dependent on fiat currency to satisfy ordinary obligations such as taxation, payroll, suppliers etc. Receiving payments or revenue in a volatile currency but having obligations in fiat presents a significant risk to an enterprise. In addition, accounting and reporting is extremely complicated when there is volatility which presents further compliance



challenges.

Emparta solves this problem by simply making fiat available on the blockchain via a fully collateralized, audited and transparent treasury. The ability to redeem the underlying fiat from the treasury through a seamless process to fulfil financial and commercial obligations is fundamental to enabling the adoption of cryptocurrency for traditional commercial transactions.

Exchanges

Stablecoins are not new to exchanges. They are very popular amongst cryptocurrency traders – seeking to manage their exposure to risk and volatility – and are a driver of transaction volume on exchanges. Further to this, the ability for exchanges to offer a stablecoin as a payment method removes the need for exchanges to accept fiat deposits directly and can significantly improve typical settlement timeframes.

The ability to offer other functionality and services using the Emparta Treasury infrastructure will help exchanges to attract more users and transaction volume.

Where are we at?

The Emparta project has recently completed a working prototype that is deployed to the Ethereum testnet with a clickable and demonstrable interface. The API infrastructure has been developed with an API sandbox already delivered allowing partner platforms, exchanges and payments systems to start experimenting with the infrastructure in their own environment.

Emparta has partnered with Bit Trade (Australia's oldest digital currency exchange) to launch the first Australian Dollar backed stablecoin. Bit Trade will be amongst the first Australian exchanges to list and use the stablecoin on its platform. Further, the Emparta project has developed a payments system (currently in alpha stage) that allows digital currency exchanges to offer its users the ability to receive their wages income in cryptocurrency without their employer needing to hold and manage reserves of cryptocurrency. This solution will offer users a stablecoin option by utilizing the Emparta Treasury infrastructure and will be one of the first payments systems to offer the stablecoin.

Business Model

The stablecoin infrastructure incorporates a robust and scalable business model. A transparent and regularly audited treasury that collects the fiat collateral and mints stablecoins on a 1:1 basis is central to the process. The underlying value can be redeemed for a small fee and the treasury can realize earnings in the form of interest.

By making the infrastructure available to partner platforms with established users provides a key channel for user acquisition, adoption and revenue growth.



Founders



Adam Sarris – Co-founder & CEO

A serial entrepreneur, Adam Sarris has extensive experience in the design and implementation of technology-based business solutions. Along with James Hill, he co-founded Squaddle, a successful online platform in Australia that provides hospitality workers on demand. Adam was a director and senior business analyst for Bluebox Solutions, an established software development company. He has held senior analytical roles for Iluka Resources, Asgard (Westpac), and Telco Services Australia.



James Hill – Co-founder & COO

Former Chairman and CEO of Bluebox Solutions, James Hill has extensive experience in leading large-scale, technology-based operations and delivering complex software development projects. He's the co-founder of Squaddle with Adam Sarris and has more than 18 years of experience in high-profile roles across multiple industries, including serving as GM of retail for iiNet, Australia's third-largest ISP, GM of Operations and IT at Telco Services Australia, and Associate Director Client Services at Asgard (Westpac), one of the largest wealth management companies in Australia.

Let's talk!

We would love to hear from you. Please contact us if you wish to have a chat and learn more about our exciting project and continued progress.

Regards,

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¹<https://www.cbsnews.com/news/most-americans-are-hourly-workers/>

²<https://legacy.bersin.com/uploadedfiles/042315-ta-factbook-www-final.pdf>

³<https://insightsresources.seek.com.au/rise-contingent-workforce-attracting-managing-engaging-transient-staff>

⁴<http://www.abc.net.au/radionational/programs/futuretense/is-the-era-of-full-time-work-over/7818086>

⁵<https://www.telegraph.co.uk/business/2017/05/11/almost-one-million-britons-zero-hours-contracts-dont-want-work/>